

TECHNICAL CATALOGUE

Complete Product Catalogue

Product specifications, dimensions and ordering configurations

28 October 2026

Product families: 543

Product, pattern & size references: 5,148

B-BBEE: Level 2

Select the product and exact configuration for the operating duty. The tables in this catalogue apply to the exact item, material, size and standard shown. Working, burst and test pressures are different quantities. Similar ordering references do not establish compatibility.

Application-specific assemblies, custom machining and configured equipment receive their final agreed specification with the quotation.

Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

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Product categories

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Hydraulic Hose & Protection

Braided, spiral and thermoplastic hose, complete assemblies and hose protection.

001 / 1SN - 1 Wire Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	One high-tensile steel-wire braid
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-40 to +100 °C
Construction standard	EN 853 1SN / SAE 100 R1AT
Nominal safety factor	4:1

Ordering references: 1SN-04 / 1SN-05 / 1SN-06 / 1SN-08 / 1SN-10 / 1SN-12 / 1SN-16 / 1SN-20 / 1SN-24 / 1SN-32 / R104 / R105 / R106 / R108 / R110 / R112 / R116 / R120 / R124 / R132 / S104 / S105 / S106 / S108 / S110 / S112 / S116 / S120 / S124 / S132

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
S104	1/4	6.4	13.4	225	900	100	0.21
S105	5/16	7.9	15	215	850	115	0.24
S106	3/8	9.5	17.4	180	720	125	0.33
S108	1/2	12.7	20.6	160	640	180	0.41
S110	5/8	15.9	23.7	130	520	200	0.45
S112	3/4	19	27.7	105	420	240	0.58

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
S116	1	25.4	35.6	88	350	300	0.88
S120	1-1/4	31.8	43.5	63	250	420	1.23
S124	1-1/2	38.1	50.6	50	200	500	1.51
S132	2	50.8	64	40	160	630	1.97
1SN-04	1/4	6.4	13.4	225	900	100	0.21
1SN-05	5/16	7.9	15	215	850	115	0.24
1SN-06	3/8	9.5	17.4	180	720	125	0.33
1SN-08	1/2	12.7	20.6	160	640	180	0.41
1SN-10	5/8	15.9	23.7	130	520	200	0.45
1SN-12	3/4	19	27.7	105	420	240	0.58
1SN-16	1	25.4	35.6	88	350	300	0.88
1SN-20	1-1/4	31.8	43.5	63	250	420	1.23
1SN-24	1-1/2	38.1	50.6	50	200	500	1.51
1SN-32	2	50.8	64	40	160	630	1.97
R104	1/4	6.4	13.4	225	900	100	0.21
R105	5/16	7.9	15	215	850	115	0.24
R106	3/8	9.5	17.4	180	720	125	0.33
R108	1/2	12.7	20.6	160	640	180	0.41
R110	5/8	15.9	23.7	130	520	200	0.45
R112	3/4	19	27.7	105	420	240	0.58
R116	1	25.4	35.6	88	350	300	0.88

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R120	1-1/4	31.8	43.5	63	250	420	1.23
R124	1-1/2	38.1	50.6	50	200	500	1.51
R132	2	50.8	64	40	160	630	1.97

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

002 / 2SN - 2 Wire Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Two high-tensile steel-wire braids
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-40 to +100 °C
Construction standard	EN 853 2SN / SAE 100 R2AT
Nominal safety factor	4:1

Ordering references: 2SN-04 / 2SN-05 / 2SN-06 / 2SN-08 / 2SN-10 / 2SN-12 / 2SN-16 / 2SN-20 / 2SN-24 / 2SN-32 / R204 / R205 / R206 / R208 / R210 / R212 / R216 / R220 / R224 / R232 / S204 / S205 / S206 / S208 / S210 / S212 / S216 / S220 / S224 / S232

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
2SN-04	1/4	6.4	15	400	1600	100	0.33
2SN-05	5/16	7.9	16.6	350	1400	115	0.39
2SN-06	3/8	9.5	19	330	1320	125	0.5
2SN-08	1/2	12.7	22.2	275	1100	180	0.59
2SN-10	5/8	15.9	25.4	250	1000	200	0.71
2SN-12	3/4	19	29.3	215	850	240	0.86
2SN-16	1	25.4	38.1	165	650	300	1.28
2SN-20	1-1/4	31.8	48.3	125	500	420	2.02
2SN-24	1-1/2	38.1	54.6	90	360	500	2.2
2SN-32	2	50.8	67.3	80	320	630	2.85
S204	1/4	6.4	15	400	1600	100	0.33
S205	5/16	7.9	16.6	350	1400	115	0.39
S206	3/8	9.5	19	330	1320	125	0.5
S208	1/2	12.7	22.2	275	1100	180	0.59
S210	5/8	15.9	25.4	250	1000	200	0.71
S212	3/4	19	29.3	215	850	240	0.86
S216	1	25.4	38.1	165	650	300	1.28
S220	1-1/4	31.8	48.3	125	500	420	2.02
S224	1-1/2	38.1	54.6	90	360	500	2.2
S232	2	50.8	67.3	80	320	630	2.85
R204	1/4	6.4	15	400	1600	100	0.33

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R205	5/16	7.9	16.6	350	1400	115	0.39
R206	3/8	9.5	19	330	1320	125	0.5
R208	1/2	12.7	22.2	275	1100	180	0.59
R210	5/8	15.9	25.4	250	1000	200	0.71
R212	3/4	19	29.3	215	850	240	0.86
R216	1	25.4	38.1	165	650	300	1.28
R220	1-1/4	31.8	48.3	125	500	420	2.02
R224	1-1/2	38.1	54.6	90	360	500	2.2
R232	2	50.8	67.3	80	320	630	2.85

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

003 / 4SP - 4 Wire Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four high-tensile steel-wire spiral layers
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-40 to +100 °C

Construction & technical characteristics

Characteristic	Specification
Construction standard	EN 856 4SP
Nominal safety factor	4:1

Ordering references: 4SP-04 / 4SP-06 / 4SP-08 / 4SP-10 / 4SP-12 / 4SP-16 / 4SP-20 / 4SP-24 / 4SP-32 / S4SP-04 / S4SP-06 / S4SP-08 / S4SP-10 / S4SP-12 / S4SP-16 / S4SP-20 / S4SP-24 / S4SP-32

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
S4SP-04	1/4	6.4	17.9	450	1800	150	0.63
S4SP-06	3/8	9.5	21.4	445	1780	180	0.78
S4SP-08	1/2	12.7	24.6	425	1700	230	0.93
S4SP-10	5/8	15.9	28.2	350	1400	250	1.17
S4SP-12	3/4	19	32.2	350	1400	300	1.48
S4SP-16	1	25.4	39.7	280	1120	340	2.02
S4SP-20	1-1/4	31.8	50.8	210	840	460	3.05
S4SP-24	1-1/2	38.1	57.2	185	740	560	3.52
S4SP-32	2	50.8	69.8	165	660	660	5.2
4SP-04	1/4	6.4	17.9	450	1800	150	0.63
4SP-06	3/8	9.5	21.4	445	1780	180	0.78
4SP-08	1/2	12.7	24.6	425	1700	230	0.93
4SP-10	5/8	15.9	28.2	350	1400	250	1.17
4SP-12	3/4	19	32.2	350	1400	300	1.48
4SP-16	1	25.4	39.7	280	1120	340	2.02
4SP-20	1-1/4	31.8	50.8	210	840	460	3.05

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
4SP-24	1-1/2	38.1	57.2	185	740	560	3.52
4SP-32	2	50.8	69.8	165	660	660	5.2

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

004 / R12 - 4 Wire Grey Cover Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four high-tensile steel-wire spiral layers
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering; grey
Operating temperature	-40 to +100 °C
Construction standard	EN 856 / SAE 100 R12 AT ()
Nominal safety factor	4:1
Reference standard	EN 856 / SAE 100 R12 (source prints R12 AT)

Ordering references: R12-06 / R12-08 / R12-10 / R12-12 / R12-16 / R12-20 / R12-24 / R12-32

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R12-06	3/8	9.5	20.3	280	1120	125	0.7

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R12-08	1/2	12.7	23.8	280	1120	180	0.84
R12-10	5/8	15.9	27.4	280	1120	200	1.1
R12-12	3/4	19	30.7	280	1120	240	1.33
R12-16	1	25.4	38	280	1120	300	1.85
R12-20	1-1/4	31.8	47	210	840	420	2.65
R12-24	1-1/2	38.1	53.5	175	700	500	3.2
R12-32	2	50.8	66.7	175	700	630	4.5

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

005 / 4SH - 4 Wire Spiral Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four high-tensile steel-wire spiral layers
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-40 to +100 °C
Construction standard	EN 856 4SH
Nominal safety factor	4:1

Ordering references: 4SH-12 / 4SH-16 / 4SH-20 / 4SH-24 / 4SH-32 / S4SH-12 / S4SH-16 / S4SH-20 / S4SH-24 / S4SH-32

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
S4SH-12	3/4	19	32.2	420	1680	280	1.53
S4SH-16	1	25.4	38.7	380	1520	340	2.06
S4SH-20	1-1/4	31.8	45.5	345	1380	460	2.46
S4SH-24	1-1/2	38.1	53.5	290	1160	560	3.35
S4SH-32	2	50.8	68.1	250	1000	700	4.55
4SH-12	3/4	19	32.2	420	1680	280	1.53
4SH-16	1	25.4	38.7	380	1520	340	2.06
4SH-20	1-1/4	31.8	45.5	345	1380	460	2.46
4SH-24	1-1/2	38.1	53.5	290	1160	560	3.35
4SH-32	2	50.8	68.1	250	1000	700	4.55

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

006 / R15 - 4 or 6 Wire Spiral Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four or six high-tensile steel-wire spiral layers; layer count by size not specified

Construction & technical characteristics

Characteristic	Specification
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-40 to +100 °C
Construction standard	DIN EN 856 R15 (; designation needs clarification)
Nominal safety factor	4:1

Ordering references: R15-12 / R15-16 / R15-20 / R15-24

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R15-12	3/4	19	32.9	420	1680	265	1.5
R15-16	1	25.4	38.9	420	1680	330	2.1
R15-20	1-1/4	31.8	48.4	420	1680	445	3.6
R15-24	1-1/2	38.1	56.3	420	1680	530	5.1

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

007 / WB - 4 Spiral Waterblast Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Synthetic rubber specified as resistant to mineral-, vegetable- and glycol-based hydraulic oils
Reinforcement	Four high-tensile steel-wire spiral layers

Construction & technical characteristics

Characteristic	Specification
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-10 to +70 °C
Construction standard	EN 1829-2
Nominal safety factor	2.5:1

Ordering references: WB-08

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
WB-08	1/2	12.7	24.6	1100	2750	230	1.21

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

008 / Performance Range - 2K - 2 Wire Compact Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Two high-tensile steel-wire braids
Outer cover	High-abrasion synthetic rubber resistant to ozone and weathering
Operating temperature	-40 to +120 °C
Construction standard	Exceeds EN 857 2SC (claim)

Construction & technical characteristics

Characteristic	Specification
Nominal safety factor	4:1

Ordering references: 2KXH-04 / 2KXH-05 / 2KXH-06 / 2KXH-08 / 2KXH-10 / 2KXH-12 / 2KXH-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
2KXH-04	1/4	6.4	13.1	450	2100	45	0.28
2KXH-05	5/16	8	14.7	420	1750	55	0.32
2KXH-06	3/8	9.5	17.1	385	1700	65	0.43
2KXH-08	1/2	12.7	20.3	345	1450	80	0.56
2KXH-10	5/8	16	25	320	1380	90	0.83
2KXH-12	3/4	19	29.3	300	1250	120	1.06
2KXH-16	1	25.4	35.8	225	1000	160	1.37

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

009 / Performance Range - 4SPHI - Hi Impulse - 4 Wire Spiral Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four high-tensile steel-wire spiral layers

Construction & technical characteristics

Characteristic	Specification
Outer cover	High-abrasion synthetic rubber resistant to ozone and weathering
Operating temperature	-50 to +100 °C
Construction standard	Exceeds EN 856 4SP (claim)
Nominal safety factor	4:1

Ordering references: S4SPHI-04 / S4SPHI-06 / S4SPHI-08 / S4SPHI-10 / S4SPHI-12 / S4SPHI-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
S4SPHI-04	1/4	6.4	17.6	500	2000	100	0.56
S4SPHI-06	3/8	9.5	21.2	460	2000	110	0.72
S4SPHI-08	1/2	12.7	24.4	425	1750	120	0.85
S4SPHI-10	5/8	16	28	400	1600	140	1.12
S4SPHI-12	3/4	19	32	380	1600	170	1.45
S4SPHI-16	1	25.4	39.1	320	1400	340	1.87

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

010 / Performance Range - 4SHHI - Hi Impulse - 4 Wire Spiral Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Configuration approval	An exact-code technical schedule is required before selection or assembly.

Ordering references: S4SHHI-12 / S4SHHI-16 / S4SHHI-20

Hose dimensions & operating limits

Part code
S4SHHI-12
S4SHHI-16
S4SHHI-20

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

011 / Performance Range - X6000 - Exceeds R15 - 4 or 6 Wire Spiral Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four or six high-tensile steel-wire spiral layers; layer count by size not specified
Outer cover	High-abrasion synthetic rubber resistant to ozone and weathering
Operating temperature	-40 to +120 °C
Construction standard	Exceeds ISO 18752-CC (claim) / Exceeds SAE 100 R15 performance (claim)
Nominal safety factor	4:1

Ordering references: X6000-12 / X6000-16 / X6000-20 / X6000-24 / X6000-32

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
X6000-12	3/4	19	30.7	420	1680	150	1.25
X6000-16	1	25.4	37.9	420	1680	210	1.83
X6000-20	1-1/4	31.8	49.6	420	1680	260	3.16
X6000-24	1-1/2	38.1	56.9	420	1680	310	4.4
X6000-32	2	50.8	72	420	1680	350	6.28

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

012 / R5 - 1 Wire Cotton Cover Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Synthetic textile plus one high-tensile steel-wire braid
Outer cover	Braided cotton impregnated with oil- and weather-resistant synthetic rubber
Operating temperature	-40 to +100 °C
Construction standard	SAE J517 100 R5
Nominal safety factor	4:1

Ordering references: R5-04 / R5-05 / R5-06 / R5-08 / R5-10 / R5-12 / R5-16 / R5-20 / R5-24 / R5-32 / R5-40

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R5-04	3/16	4.8	13.2	207	828	76	0.26
R5-05	1/4	6.4	14.8	207	828	86	0.3
R5-06	5/16	7.9	17.2	155	620	102	0.36
R5-08	13/32	10.3	19.5	138	552	117	0.41
R5-10	1/2	12.7	23.4	121	484	140	0.57
R5-12	5/8	15.9	27.4	103	412	165	0.7
R5-16	7/8	22.2	31.4	55	220	187	0.74
R5-20	1-1/8	28.6	38.1	43	172	229	0.98
R5-24	1-3/8	34.9	44.5	34	136	267	1.13
R5-32	1-13/16	46	56.4	24	96	337	1.35
R5-40	2-3/8	60.3	72	24	96	Confirm	Confirm

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

013 / R5 Blue - 1 Wire Cotton Cover - High Temperature Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Synthetic textile plus one high-tensile steel-wire braid

Construction & technical characteristics

Characteristic	Specification
Outer cover	Blue braided cotton impregnated with oil- and weather-resistant synthetic rubber
Operating temperature	-50 to +135 °C
Construction standard	SAE J517 100 R5; high-temperature designation
Nominal safety factor	4:1

Ordering references: R5-08BLUE / R5-10BLUE / R5-16BLUE / R5-20BLUE / R5-24BLUE / R5-32BLUE

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R5-08BLUE	13/32	10.3	19.1	138	552	115	0.44
R5-10BLUE	1/2	12.7	22.9	121	484	140	0.6
R5-16BLUE	7/8	22.2	30.8	55	220	185	0.74
R5-20BLUE	1-1/8	28.6	37.6	43	172	230	0.98
R5-24BLUE	1-3/8	34.9	44.5	34	136	265	1.21
R5-32BLUE	1-13/16	46	56.4	24	96	335	1.47

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

014 / 2SN Hi Temp - 2 Wire - High Temperature Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	High-temperature oil- and water-resistant synthetic rubber
Reinforcement	Two high-tensile steel-wire braids
Outer cover	Blue special synthetic rubber resistant to oil, abrasion and weathering
Operating temperature	-50 to +135 °C
Construction standard	EN 853 2SN
Nominal safety factor	4:1

Ordering references: R204HT / R206HT / R208HT / R212HT / R216HT / R220HT / R224HT / R232HT

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R204HT	1/4	6.4	15	400	1600	100	0.4
R206HT	3/8	9.5	18.9	330	1320	130	0.57
R208HT	1/2	12.7	22.2	275	1100	180	0.68
R212HT	3/4	19	29.2	215	850	240	0.99
R216HT	1	25.4	37.2	165	650	300	1.38
R220HT	Confirm	31.8	47.3	125	500	420	2.04
R224HT	Confirm	38.1	53.7	90	360	500	2.28
R232HT	2	50.8	66.7	78	310	630	2.97

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

015 / 1SN - One-Wire Fire-Suppression Hose

1SN - One-Wire Fire-Suppression Hose configurations selected for the operating duty and connection.

Application: Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	One high-tensile steel-wire braid
Outer cover	Red special synthetic rubber resistant to oil, abrasion and weathering
Operating temperature	-40 to +100 °C
Construction standard	EN 853 1SN
Nominal safety factor	4:1

Ordering references: FSH-04 / FSH-06 / FSH-08 / FSH-12

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
FSH-04	1/4	6.4	13.4	225	900	100	0.21
FSH-06	3/8	9.5	17.4	180	720	125	0.33
FSH-08	1/2	12.7	20.6	160	640	180	0.41
FSH-12	3/4	19	27.7	105	420	240	0.58

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

016 / 2SN - 2 Wire Hose - High Abrasion Cover

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Two high-tensile steel-wire braids
Outer cover	Abrasion-, ozone-, UV-, weather- and salt-water-resistant synthetic rubber
Operating temperature	-40 to +100 °C
Construction standard	EN 853 2SN / SAE 100 R2AT
Nominal safety factor	4:1

Ordering references: 2SMR-04 / 2SMR-06 / 2SMR-08 / 2SMR-12 / 2SMR-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
2SMR-04	1/4	6.4	15	400	1600	100	0.33
2SMR-06	3/8	9.5	19	330	1320	125	0.5
2SMR-08	1/2	12.7	22.2	275	1100	180	0.59
2SMR-12	3/4	19	29.3	215	850	240	0.86
2SMR-16	1	25.4	38.1	165	650	300	1.28

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

017 / 2SN - 2 Wire Hose - Super High Abrasion Cover

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Two high-tensile steel-wire braids
Outer cover	Double-layer construction: rubber cover with additional UHMW film
Operating temperature	-40 to +100 °C
Construction standard	EN 853 2SN / SAE 100 R2AT
Nominal safety factor	4:1

Ordering references: 2SSC-04 / 2SSC-06 / 2SSC-08 / 2SSC-12 / 2SSC-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
2SSC-04	1/4	6.4	15	400	1600	100	0.33
2SSC-06	3/8	9.5	19	330	1320	125	0.5
2SSC-08	1/2	12.7	22.2	275	1100	180	0.59
2SSC-12	3/4	19	29.3	215	850	240	0.86
2SSC-16	1	25.4	38.1	165	650	300	1.28

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

018 / 435 - Hydraulic Brake Hose - SAE J 1401

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Special synthetic rubber resistant to hydraulic brake fluid
Reinforcement	High-tensile synthetic textile
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering
Operating temperature	-45 to +80 °C
Construction standard	SAE J1401
Nominal safety factor	2:1

Ordering references: 435-0300

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)
435-0300	1/8	3.2	10.5	276	490	0.09

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

019 / R7 - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer

Construction & technical characteristics

Characteristic	Specification
Reinforcement	two high-tensile polyester fibre braids
Outer cover	oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R7
Nominal safety factor	4:1

Ordering references: R7-04 / R7-06 / R7-08 / R7-10 / R7-12 / R7-16 / R7-03

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R7-03	3/16	4.8	10.7	275	1100	25	0.07
R7-04	1/4	6.5	12.2	210	840	35	0.1
R7-06	3/8	9.7	16	160	640	55	0.15
R7-08	1/2	13	20.3	140	560	75	0.22
R7-10	5/8	16.1	23.1	105	420	110	0.28
R7-12	3/4	19.5	27.1	90	360	140	0.33
R7-16	1	25.9	34	70	280	190	0.46

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

020 / R7 Twin - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	two high-tensile polyester fibre braids
Outer cover	oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R7 TWIN ()
Nominal safety factor	4:1

Ordering references: R7T-04 / R7T-06

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R7T-04	1/4	6.5	12.2	210	840	35	0.1
R7T-06	3/8	9.7	16	160	640	55	0.15

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

021 / R7 Twin - Thermoplastic Hose - 1 Wire Braid

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	high-tensile steel wire braid
Outer cover	oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R7
Nominal safety factor	4:1

Ordering references: R7TW-04 / R7TW-06

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R7TW-04	1/4	6.5	12	287	1148	40	0.34
R7TW-06	3/8	9.7	15.5	212	848	65	0.48

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

022 / R8 - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer

Construction & technical characteristics

Characteristic	Specification
Reinforcement	two high-tensile aramid fibre braids
Outer cover	oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R8
Nominal safety factor	4:1

Ordering references: R8-04 / R8-06 / R8-08 / R8-12 / R8-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R8-04	1/4	6.5	12	362	1448	50	0.18
R8-06	3/8	9.7	16.5	287	1148	80	0.29
R8-08	1/2	13	20.2	250	1000	95	0.39
R8-12	3/4	19.5	28	162	648	150	0.59
R8-16	1	25	34	140	560	200	0.93

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

023 / R8 Non-Conductive - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	two high-tensile aramid fibre braids
Outer cover	orange oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R8
Nominal safety factor	4:1

Ordering references: R8NC-04 / R8NC-06 / R8NC-08 / R8NC-12 / R8NC-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R8NC-04	1/4	6.5	12	362	1448	50	0.18
R8NC-06	3/8	9.7	16.5	287	1148	80	0.29
R8NC-08	1/2	13	20.2	250	1000	95	0.39
R8NC-12	3/4	19.5	28	162	648	150	0.59
R8NC-16	1	25	34	140	560	200	0.93

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

024 / Paint Spray - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyamide resistant to solvents/paint/hydraulic oils
Reinforcement	high-tensile steel wire braid
Outer cover	blue oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Nominal safety factor	4:1

Ordering references: PSH-04 / PSH-06 / PSH-08

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
PSH-04	1/4	6.5	11.5	350	1400	50	0.08
PSH-06	3/8	9.7	15.5	280	1120	60	0.13
PSH-08	1/2	13	19.9	245	980	80	0.2

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

025 / Sewer Cleaning - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyethylene

Construction & technical characteristics

Characteristic	Specification
Reinforcement	one or two synthetic fibre braids
Outer cover	weather-resistant polyurethane
Operating temperature	-40 to +60 °C
Nominal safety factor	2.5:1

Ordering references: SCHA-08 / SCHA-10 / SCHA-12 / SCHA-16

Hose dimensions & operating limits

Part code	Bore (in)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
SCHA-08	1/2	175	438	100	0.23
SCHA-10	5/8	175	438	115	0.29
SCHA-12	3/4	175	438	125	0.33
SCHA-16	1	175	438	160	0.48

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

026 / Micro Bore - Mini Test - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	one aramid fibre braid

Construction & technical characteristics

Characteristic	Specification
Outer cover	black pinpricked anti-grip polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	70 °C
Nominal safety factor	3:1

Ordering references: MM-2MM

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
MM-2MM	5/64	2	5	630	1900	20	0.02

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

027 / R14 - PTFE Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	sintered PTFE
Reinforcement	single stainless steel wire braid
Operating temperature	-60 to +260 °C
Construction standard	SAE 100 R14
Nominal safety factor	4:1

Ordering references: TEF-02 / TEF-03 / TEF-04 / TEF-06 / TEF-08 / TEF-10 / TEF-12 / TEF-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
TEF-02	1/8	3	6.2	225	900	40	Confirm
TEF-03	3/16	4.8	7.6	190	760	50	0.08
TEF-04	1/4	6	8.8	180	720	75	0.1
TEF-06	3/8	9.5	12.1	165	660	125	0.16
TEF-08	1/2	12.5	16.2	120	480	165	0.22
TEF-10	5/8	16	18.8	88	352	200	0.28
TEF-12	3/4	19	23.1	70	280	230	0.33
TEF-16	1	Confirm	26.2	60	240	230	0.45

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

028 / R14 - Convoluted PTFE Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	sintered PTFE
Reinforcement	single stainless steel wire braid
Operating temperature	-60 to +260 °C
Construction standard	SAE 100 R14

Construction & technical characteristics

Characteristic	Specification
Nominal safety factor	4:1

Ordering references: TEFC-08 / TEFC-12 / TEFC-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
TEFC-08	1/2	13	19.8	135	25	0.2
TEFC-12	3/4	19	26.6	80	65	0.26
TEFC-16	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

029 / Hose Protection Spirals

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Material	High density polyethylene; directly compression-formed; antistatic additive and UV protection stated.
Colour options	black / yellow
Operating temperature	-50 to +100 °C

Ordering references: SGX110 / SGX12 / SGX16 / SGX20 / SGX25 / SGX32 / SGX40 / SGX50 / SGX63 / SGX75 / SGX90

Accessory dimensions & configuration

Part code	ID (mm)	OD (mm)	Wall (mm)	Pitch (mm)	Hose OD range (mm)	Pack length (m)	Approx. mass (kg/m)	Unmapped hose guide text
SGX12	9.6	12	1.2	10.5		25	0.04	Confirm
SGX16	13.4	16	1.3	12	min: 13; max: 18	25	0.06	Confirm
SGX20	16	20	2	20	min: 18; max: 24	25	0.09	Confirm
SGX25	20.6	25	2.2	25	min: 24; max: 28	25	0.15	Confirm
SGX32	27	32	2.5	30	min: 28; max: 40	25	0.19	Confirm
SGX40	34.6	40	2.7	24	min: 35; max: 45	25	0.3	Confirm
SGX50	43.2	50	3.4	30	min: 40; max: 55	25	0.4	Confirm
SGX63	55.6	63	3.7	37	min: 55; max: 62	25	0.65	Confirm
SGX75	66.2	75	4.4	42	min: 60; max: 70	20	0.73	Confirm
SGX90	80.2	90	4.9	45	min: 70; max: 90	20	1.2	-32; column alignment not resolved, therefore not assigned to a wire construction
SGX110	99	110	5.5	50	min: 80; max: 105	15	1.76	Confirm

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

030 / Hose Protection Spirals - FRAS - MSHA

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Material	High density polyethylene; directly compression-formed; antistatic additive and UV protection stated.

Construction & technical characteristics

Characteristic	Specification
Colour options	blackish grey
Operating temperature	-50 to +100 °C

Ordering references: SG110FRAS / SG16FRAS / SG20FRAS / SG25FRAS / SG32FRAS / SG40FRAS / SG50FRAS / SG75FRAS / SG90FRAS

Accessory dimensions & configuration

Part code	ID (mm)	OD (mm)	Wall (mm)	Pitch (mm)	Hose OD range (mm)	Pack length (m)	Approx. mass (kg/m)	Unmapped hose guide text
SG16FRAS	13.4	16	1.3	12	min: 13; max: 18	25	0.06	Confirm
SG20FRAS	16	20	2	20	min: 18; max: 24	25	0.09	Confirm
SG25FRAS	20.6	25	2.2	25	min: 24; max: 28	25	0.15	Confirm
SG32FRAS	27	32	2.5	30	min: 28; max: 40	25	0.19	Confirm
SG40FRAS	34.6	40	2.7	24	min: 35; max: 45	25	0.3	Confirm
SG50FRAS	43.2	50	3.4	30	min: 40; max: 55	25	0.4	Confirm
SG75FRAS	66.2	75	4.4	42	min: 60; max: 70	20	0.73	Confirm
SG90FRAS	80.2	90	4.9	45	min: 70; max: 90	20	1.2	-32; column alignment not resolved, therefore not assigned to a wire construction
SG110FRAS	99	110	5.5	50	min: 80; max: 105	15	1.76	Confirm

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

031 / Safety Strips

Hose construction and size selected to match the fluid, operating duty and installation.

Ordering references: QRB-100 / QRB-150 / QRB-050

Accessory dimensions & configuration

Part code	Length mm	Width mm	Listing status	Catalogue only not current selector
QRB-050	500	25	datasheet-listed; not in reviewed live product selector	Yes
QRB-100	1000	25	live selector and datasheet	Confirm
QRB-150	1500	25	live selector and datasheet	Confirm

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

032 / Safety Sleeves

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
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Operating temperature -25 to +100 °C

Ordering references: HS-102 / HS-150 / HS-20 / HS-25 / HS-30 / HS-35 / HS-40 / HS-50 / HS-70

Accessory dimensions & configuration

Part code	ID (mm)	Flat width mm	Roll length m
HS-20	20	33	100
HS-25	25	41	100
HS-30	30	49	100
HS-35	35	57	100
HS-40	40	65	100
HS-50	50	80	100

Accessory dimensions & configuration

Part code	ID (mm)	Flat width mm	Roll length m
HS-70	70	112	100
HS-102	102	162	100
HS-150	150	235	100

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

033 / Fire Sleevng

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Outer cover	custom-compounded silicone rubber
Material	High-bulk braided glass fibre with silicone rubber coating

Ordering references: FJ-15MM / FJ-22MM / FJ-32MM / FJ-40MM / FJ-50MM / FJ-55MM / FJ-70MM

Accessory dimensions & configuration

Part code	ID (mm)	Roll length m
FJ-15MM	15	20
FJ-22MM	22	20
FJ-32MM	32	20
FJ-40MM	40	20
FJ-50MM	50	15

Accessory dimensions & configuration

Part code	ID (mm)	Roll length m
FJ-55MM	55	15
FJ-70MM	70	15

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

034 / Coil Spring

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Material	Steel wire
Operating temperature	-10 to +80 °C

Ordering references: CS04 / CS06 / CS08 / CS10 / CS12 / CS16 / CS20 / CS24 / CS32

Accessory dimensions & configuration

Part code	Hose nominal size mm	Hose nominal size inch	Hose dash size	Coil id mm	Roll length m
CS04	6	1/4	-4	16.5	6
CS06	10	3/8	-6	22	6
CS08	12	1/2	-8	25.2	6
CS10	16	5/8	-10	29.3	6
CS12	19	3/4	-12	32.5	6
CS16	25	1	-16	40	6

Accessory dimensions & configuration

Part code	Hose nominal size mm	Hose nominal size inch	Hose dash size	Coil id mm	Roll length m
CS20	31	1-1/4	-20	50	6
CS24	38	1-1/2	-24	54.2	6
CS32	51	2	-32	68.5	6

External protection is selected by hose dimensions, installation environment and protection function. Hose working and burst pressures do not apply to external sleeves or guards.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

035 / Grease & Lubrication Hose

Centralised and point-of-use lubrication.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

036 / Custom Hydraulic Hose Assemblies

Hose, end connections and routing selected as a complete assembly.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

037 / 2SN Two-Wire Fire Suppression Hose

Two-wire fire-suppression hose assemblies specified for the suppression agent, system duty and approved end connections.

Application: Machine fire-suppression systems requiring a verified two-wire hose construction.

Construction & technical characteristics

Characteristic	Specification
Construction selection	Two-wire braided hose configuration
System selection	Suppression-agent and system-specific assembly
End connections	Specified to the suppression system
Pressure & temperature	Confirmed against the approved system and supplied hose configuration

Application & quotation checklist

Suppression agent and system approval; Required bore, length and end connections; Operating pressure and temperature; Assembly test and identification requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

038 / 2SNK - Compact Two-Wire Performance Hydraulic Hose

2SNK - Compact Two-Wire Performance Hydraulic Hose configurations for the specified hydraulic duty.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Synthetic rubber specified for HL/HLP/HLPD/HVLP/HFA/HFAS/HFB/HFC hydraulic fluids
Reinforcement	Two high-tensile steel-wire braids
Outer cover	Synthetic rubber resistant to abrasion and ozone
Operating temperature	-40 to +120 °C
Construction standard	Exceeds ISO18752 / Exceeds DIN EN8572SC / Exceeds SAE100R2 / Exceeds DIN EN8532SN / Exceeds ISO14362SN
Nominal safety factor	4:1

Ordering references: 2KP-04 / 2KP-05 / 2KP-06 / 2KP-08 / 2KP-10 / 2KP-12 / 2KP-16 / 2KP-20

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)
2KP-04	1/4	6.6	13.2	450	1800	45
2KP-05	5/16	8.3	15.1	420	1680	55
2KP-06	3/8	9.9	17	385	1540	65
2KP-08	1/2	13	20.5	345	1400	90
2KP-10	5/8	16.4	24.2	290	1160	100
2KP-12	3/4	19.5	28.2	280	1120	140
2KP-16	1	26	35.6	210	840	150
2KP-20	1-1/4	32.5	43.5	175	700	300

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

039 / HB5000+ - Four-Spiral Performance Hydraulic Hose

HB5000+ - Four-Spiral Performance Hydraulic Hose configurations for the specified hydraulic duty.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four layers of high-tensile steel wire
Outer cover	Hybrid abrasion-resistant synthetic rubber; ozone/weather resistance stated
Operating temperature	-40 to +120 °C
Construction standard	Exceeds DIN EN856 / Exceeds ISO18752 / ISO1307 referenced; exact class not stated

Construction & technical characteristics

Characteristic	Specification
Nominal safety factor	4:1

Ordering references: HB5000-06 / HB5000-08 / HB5000-10 / HB5000-12 / HB5000-16 / HB5000-20 / HB5000-24 / HB5000-32

Hose dimensions & operating limits

Part code	Bore (in)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
HB5000-06	3/8	19.8	380	1520	65	0.63
HB5000-08	1/2	22.5	350	1400	80	0.77
HB5000-10	5/8	26.1	350	1400	100	0.95
HB5000-12	3/4	29.2	350	1400	120	1.09
HB5000-16	1	36.5	350	1400	150	1.81
HB5000-20	1-1/4	45	350	1400	210	2.56
HB5000-24	1-1/2	51.9	300	1200	250	3.03
HB5000-32	2	66.4	250	1000	315	4.24

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

040 / HB6000+ - Four-Spiral Performance Hydraulic Hose

HB6000+ - Four-Spiral Performance Hydraulic Hose configurations for the specified hydraulic duty.

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber

Construction & technical characteristics

Characteristic	Specification
Reinforcement	Four layers of high-tensile steel wire
Outer cover	Hybrid abrasion-resistant synthetic rubber; ozone/weather resistance stated
Operating temperature	-40 to +120 °C
Construction standard	Exceeds DIN EN856 / Exceeds ISO18752 / ISO1307 referenced; exact class not stated
Nominal safety factor	4:1

Ordering references: HB6000-06 / HB6000-08 / HB6000-10 / HB6000-12 / HB6000-16 / HB6000-20

Hose dimensions & operating limits

Part code	Bore (in)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
HB6000-06	3/8	19.8	450	1800	80	0.63
HB6000-08	1/2	22.5	420	1680	90	0.77
HB6000-10	5/8	26.1	420	1680	120	0.95
HB6000-12	3/4	30.3	420	1680	150	1.34
HB6000-16	1	36.9	420	1680	200	1.92
HB6000-20	1-1/4	45	420	1680	250	2.55

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

Industrial & Specialist Hose

Application-led hose selection for air, water, chemicals, steam, food, mining and dredging.

001 / Multipurpose Hose

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Inner tube	oil/water-resistant synthetic rubber
Reinforcement	textile spiral construction
Outer cover	abrasion/ozone/weather-resistant synthetic rubber
Operating temperature	-40 to +100 °C
Nominal safety factor	3:1

Ordering references: 701-04 / 701-05 / 701-06 / 701-08 / 701-10 / 701-12 / 701-14 / 701-16 / 701-20 / 701-24

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
701-04	1/4	6	13	20	60	51	0.2
701-05	5/16	8	15	20	60	67	0.28
701-06	3/8	10	17	20	60	83	0.31
701-08	1/2	13	21	20	60	107	0.44
701-10	5/8	16	26	20	60	131	0.49
701-12	3/4	19	29	20	60	155	0.64
701-14	7/8	22	32	20	60	180	0.75
701-16	1	25	35.5	20	60	203	0.88

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
701-20	1-1/4	31	42	20	60	218	1.14
701-24	1-1/2	38	50	20	60	234	1.34

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

002 / Fuel, Oil Suction and Delivery Hose

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Inner tube	black smooth NBR
Reinforcement	high-strength synthetic cord with helix wire
Outer cover	black wrapped-finish oil/weather-resistant synthetic rubber
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Nominal safety factor	3:1

Ordering references: FOSD-12 / FOSD-16 / FOSD-20 / FOSD-24 / FOSD-32 / FOSD-40 / FOSD-48 / FOSD-64

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
FOSD-12	3/4	19	29	10	30	100	0.53
FOSD-16	1	25	35	10	30	125	0.73

Hose dimingens & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
FOSD-20	1-1/4	32	43	10	30	160	0.9
FOSD-24	1-1/2	38	50	10	30	200	1.09
FOSD-32	2	51	63	10	30	225	1.33
FOSD-40	2-1/2	63	77	10	30	320	1.92
FOSD-48	3	76	92	10	30	400	2.76
FOSD-64	4	102	118	10	30	550	3.84

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

003 / 2SN - Jet Wash Hose

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Inner tube	synthetic rubber resistant to hot water/detergent solutions
Reinforcement	two high-tensile steel wire braids
Outer cover	blue oil/abrasion/weather-resistant synthetic rubber
Operating temperature	-40 to +150 °C
Construction standard	EN 853 2SN
Nominal safety factor	4:1

Ordering references: 9916

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
9916	1/2	12.7	22.2	400	1600	180	0.64

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

004 / Air Brake Hose - SAE J 1402 B

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Inner tube	black smooth EPDM
Reinforcement	high-strength synthetic yarn
Outer cover	black smooth heat/ozone-resistant EPDM
Operating temperature	-40 to +93 °C
Construction standard	SAE J1402B
Nominal safety factor	3:1

Ordering references: AB-08

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
AB-08	1/2	12.7	22	20	60	104	0.47

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

005 / Pushlock Hose

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Inner tube	hydraulic-oil-resistant synthetic rubber
Reinforcement	high-tensile synthetic textile braid
Outer cover	oil/abrasion/ozone/weather-resistant synthetic rubber
Operating temperature	-40 to +100 °C
Construction standard	SAE J517 100R6 () / EN 854
Nominal safety factor	4:1

Ordering references: D801-04 / D801-05 / D801-06 / D801-08 / D801-10 / D801-12

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
D801-04	1/4	6.4	12.2	20	80	76	0.14
D801-05	5/16	7.9	14.1	20	80	76	0.17
D801-06	3/8	9.53	15.4	20	80	76	0.2
D801-08	1/2	12.7	18.9	20	80	127	0.23
D801-10	5/8	15.88	22.8	20	80	150	0.32
D801-12	3/4	19	26	20	80	180	0.39

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

006 / Hand-built pulp and slurry hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Hand built pulp slurry hose

Parameter	Specification
Manufacturing mode	Project-engineered hand-built slurry/elephant hose
Verified applications	Mining slurry/abrasives / Agricultural water / Concrete placement
End options	Built-in flanges / Open ends with clamp-on fittings
Design definition	Diameter / Length / Pressure/vacuum / Flange type/drilling / Liner material/thickness
Numeric limits	Defined by approved project specification; no public universal diameter/pressure envelope stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Hand built pulp slurry hose

Parameter	Specification
Application	Abrasive pulp and slurry transfer
Liner thickness range mm	min: 6; max: 24 - Only the named construction; other codes or constructions require their own specification.
Wall options	Hard-wall suction construction / Soft-wall delivery construction

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

007 / Nonconductive furnace coolant hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H6004 012X / H6004 020X / H6004 025X / H6004 032X / H6004 040X / H6004 050X

Blue nonmarking/NBR utility hose -H6004

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Mass kg m (kg/m)
H6004 012X	Blue nonmarkingNBR utility/coolant hose	12	½	12.7	20.7	10.0	0.338
H6004 020X	Blue nonmarkingNBR utility/coolant hose	20	¾	19.05	28.1	10.0	0.519
H6004 025X	Blue nonmarkingNBR utility/coolant hose	25	1	25.4	35	10.0	0.686
H6004 032X	Blue nonmarkingNBR utility/coolant hose	32	1¼	31.7	42.7	10.0	0.959
H6004 040X	Blue nonmarkingNBR utility/coolant hose	40	1½	38.1	50.1	10.0	1.228
H6004 050X	Blue nonmarkingNBR utility/coolant hose	50	2	50.8	64.4	10.0	1.789

H6004-series NBR utility hose. This construction is not food-contact grade. It does not establish a rating for every furnace-coolant hose or a verified dielectric assembly. Confirm the selected temperature duty before quotation.

Blue nonmarking/NBR utility hose -H6004 - construction & conditions

Parameter	Specification
Tube	BlueNBR compound
Cover	BlueNBR
Reinforcement	Synthetic yarn cords
Food contact suitability	Not food grade per brochure
Standard roll length m	30
Dielectric test standard	Not supplied

H6004-series NBR utility hose. This construction is not food-contact grade. It does not establish a rating for every furnace-coolant hose or a verified dielectric assembly. Confirm the selected temperature duty before quotation.

Nonconductive furnace coolant hose

Parameter	Specification
Application	Cooling-water transfer in foundry/furnace environments
Electrical design	Nonconductive as described by supplier
Service context	Elevated ambient temperature; no numeric thermal limit supplied

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

008 / Concrete placement hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Concrete placement hose

Parameter	Specification
Application	Wet-concrete discharge in construction and shaft-sinking work
Design property	Abrasion-resistant construction described; exact liner compound not stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

009 / Hand-built mining hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Hand built mining hose

Parameter	Specification
Manufacturing mode	Project-engineered hand-built slurry/elephant hose
Verified applications	Mining slurry/abrasives / Agricultural water / Concrete placement
End options	Built-in flanges / Open ends with clamp-on fittings
Design definition	Diameter / Length / Pressure/vacuum / Flange type/drilling / Liner material/thickness
Numeric limits	Defined by approved project specification; no public universal diameter/pressure envelope stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Hand built mining hose

Parameter	Specification
Application	Water/slurry transfer / Dewatering / Dust suppression
Design property	Abrasion-resistant / Flexible

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

010 / Oil transfer hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Oil transfer hose

Parameter	Specification
Named variant	Oil-resistantNBR utility hose

Oil transfer hose

Parameter	Specification
Tube and cover	BlackNBR
Reinforcement	Synthetic yarn cords
Bore envelope mm	6 / 50
Temperature range c	-20 / 90
Standard roll length m	30
Compatibility	Fuel aromatic hydrocarbon content not exceeding50%; exact chemical check required

Values apply only to the named construction. Dimensions and ratings apply to the named construction or exact code shown. Select pressure,temperature,medium and end fittings together for the finished assembly.

Oil transfer hose

Parameter	Specification
Application	Oil / Oil lubricants / Pneumatic tools

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

011 / Lightweight abrasion-resistant hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Lightweight abrasion resistant hose

Parameter	Specification
Application	Air suction/delivery carrying light abrasive media such as sawdust

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

012 / Water suction and delivery hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Water suction delivery hose

Parameter	Specification
Application	Water transfer in mining,industrial and agricultural service
Service modes	Suction / Delivery

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

013 / Preformed rubber hose bends

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: 8145 080 / 8145 100 / 8145 125 / 8145 150 / 8145 200 / 8145 250 / 8145 300 / 8145 350 / 8145 400 / 8145 450 / 8145 500 / 8145 600 / 8190 080 / 8190 100 / 8190 125 / 8190 150 / 8190 200 / 8190 250 / 8190 300 / 8190 350 / 8190 400 / 8190 450 / 8190 500 / 8190 600

Preformed hose bends - 8145 / 8190 series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Liner thickness mm	Bend radius mm	Vacuum magnitude kpa	Assembly mass including flanges kg	Configuration
8145 080	80	3	76.2	109	6	230	90	8	Preformed hose bends - 8145 / 8190 series
8145 100	100	4	101.6	137	6	310	90	9.9	Preformed hose bends - 8145 / 8190 series
8145 125	125	5	127	162	6	380	90	13.9	Preformed hose bends - 8145 / 8190 series
8145 150	150	6	152.4	189	6	460	90	19.8	Preformed hose bends - 8145 / 8190 series
8145 200	200	8	203.2	240	6	610	90	27.3	Preformed hose bends - 8145 / 8190 series
8145 250	250	10	254	289	6	760	90	36.7	Preformed hose bends - 8145 / 8190 series
8145 300	300	12	304.8	341	9	920	90	51	Preformed hose bends - 8145 / 8190 series
8145 350	350	14	355.6	396	9	1070	80	74.8	Preformed hose bends - 8145 / 8190 series
8145 400	400	16	406.4	464	9	1220	80	99.2	Preformed hose bends - 8145 / 8190 series
8145 450	450	18	457.2	516	9	1370	80	126.5	Preformed hose bends - 8145 / 8190 series
8145 500	500	20	508	567	9	1524	70	154.1	Preformed hose bends - 8145 / 8190 series
8145 600	600	24	609.6	678	9	1830	70	Confirm	Preformed hose bends - 8145 / 8190 series
8190 080	80	3	76.2	109	6	230	90	9	Preformed hose bends - 8145 / 8190 series
8190 100	100	4	101.6	137	6	310	90	11.8	Preformed hose bends - 8145 / 8190 series

Preformed hose bends - 8145 / 8190 series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Liner thickness mm	Bend radius mm	Vacuum magnitude kpa	Assembly mass including flanges kg	Configuration
8190 125	125	5	127	162	6	380	90	16.7	Preformed hose bends - 8145 / 8190 series
8190 150	150	6	152.4	189	6	460	90	24.7	Preformed hose bends - 8145 / 8190 series
8190 200	200	8	203.2	240	6	610	90	35.7	Preformed hose bends - 8145 / 8190 series
8190 250	250	10	254	289	6	760	90	49.4	Preformed hose bends - 8145 / 8190 series
8190 300	300	12	304.8	341	9	920	90	74	Preformed hose bends - 8145 / 8190 series
8190 350	350	14	355.6	396	9	1070	80	105.5	Preformed hose bends - 8145 / 8190 series
8190 400	400	16	406.4	464	9	1220	80	142.4	Preformed hose bends - 8145 / 8190 series
8190 450	450	18	457.2	516	9	1370	80	185.1	Preformed hose bends - 8145 / 8190 series
8190 500	500	20	508	567	9	1524	70	226.1	Preformed hose bends - 8145 / 8190 series
8190 600	600	24	609.6	678	9	1830	70	349	Preformed hose bends - 8145 / 8190 series

8145/8190-series preformed abrasive-media bends. 8145 denotes 45-degree bends; 8190 denotes 90-degree bends. Mass values are for the bend assembly including flanges, in kilograms; they are notkg/m. Select bend angle, bore, liner, centreline radius and ends together.

Preformed hose bends - 8145 / 8190 series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	Abrasion rubber; butyl option for selected chemical service

Preformed hose bends - 8145 / 8190 series

Parameter	Specification
Reinforcement	Square-woven polyester fabric plus high-tensile helix/hoops
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80
Custom bore envelope mm	40 / 1200
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Plain / Cuffed / Fixed/floating flange / D-ring / Grooved / custom as appropriate
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings
Custom build pressure envelope bar	16

8145/8190-series preformed abrasive-media bends. 8145 denotes 45-degree bends; 8190 denotes 90-degree bends. Mass values are for the bend assembly including flanges, in kilograms; they are notkg/m. Select bend angle, bore, liner, centreline radius and ends together.

Preformed rubber hose bends

Parameter	Specification
Form	Preformed rubber bend
Function	Pipeline direction change between hose runs

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

014 / Rubber hose reducers

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Rubber hose reducers

Parameter	Specification
Application	Concentric/eccentric transitions for water/slurry suction and discharge
Tube options	Abrasion rubber / Butyl / NR40 / NR70 / Nitrile for hydrocarbons
Reinforcement	Square-woven polyester fabric; wire-reinforced custom construction
Cover	NR/SBR
Custom bore envelope mm	50 / 1500
Temperature range c	-20 / 80
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
Drawing required	Yes

Values apply only to the named construction. Dimensions and ratings apply to the named construction or exact code shown. Select pressure,temperature,medium and end fittings together for the finished assembly.

Rubber hose reducers

Parameter	Specification
Form	Conical rubber diameter transition
Function	Join differing hose diameters along the same axis

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

015 / Marine and mining hose floats

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Two-piece hose float dimensional configurations

Float id mm	Float od mm	Length mm	Wall thickness mm	weight	displacement	Buoyancy 50 percent submerged kg	buoyancy force n
45	400	550	6	10	64.9	27.4	538.3
60	400	550	6	10	64.6	27.3	535.7
76	400	550	6	10	64.2	27.1	532.0
90	400	550	6	10	63.8	26.9	528.1
110	400	550	6	10	63.1	26.6	521.3
75	605	800	6	18	190.6	86.3	1692.7
90	605	800	6	18	189.9	86.0	1686.6
110	605	800	6	18	188.9	85.5	1676.8
140	605	800	6	18	187.0	84.5	1658.3
160	605	800	6	18	185.5	83.8	1643.5
180	605	800	6	18	183.8	82.9	1626.7
200	605	800	6	18	181.9	82.0	1608.0
225	820	1000	8	40	457.6	208.8	4096.5
250	820	1000	8	40	453.8	206.9	4059.9
280	820	1000	8	40	448.9	204.4	4010.9
310	820	1000	8	40	443.3	201.6	3956.3
355	820	1000	8	40	433.9	196.9	3864.1
400	820	1000	8	40	423.2	191.6	3759.3
420	1050	1200	10	80	924.6	422.3	8285.8
450	1050	1200	10	80	914.8	417.4	8189.2
500	1050	1200	10	80	896.9	408.4	8013.6

Two-piece hose float dimensional configurations

Float id mm	Float od mm	Length mm	Wall thickness mm	weight	displacement	Buoyancy 50 percent submerged kg	buoyancy force n
560	1050	1200	10	80	872.9	396.4	7778.3
630	1050	1200	10	80	841.5	380.7	7470.2
650	1050	1200	10	80	831.8	375.9	7375.5

Two-piece LDPE hose/pipe float configurations. Select flotation for the filled hose mass, slurry density, spacing and required freeboard. The 50%-submerged buoyancy column and buoyancy-force column are distinct values. Weight and displacement units require confirmation before engineering use.

Two-piece hose float dimensional configurations - construction & conditions

Parameter	Specification
Material	Low-density polyethylene
Function	Hose/pipe flotation; select net buoyancy for filled line and spacing

Two-piece LDPE hose/pipe float configurations. Select flotation for the filled hose mass, slurry density, spacing and required freeboard. The 50%-submerged buoyancy column and buoyancy-force column are distinct values. Weight and displacement units require confirmation before engineering use.

Hose floats

Parameter	Specification
Application	Flotation of hoses in marine and mining systems

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

016 / Pinch valves and replaceable sleeves

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Pinch valves sleeves

Parameter	Specification
Valve type	Full-bore pinch valve
Actuation options	Manual / Pneumatic / Hydraulic
Application	Control/isolate slurry,water and industrial fluid flow

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

017 / Hose bellows and expansion joints

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Flanged rubber bellows - dimensions, movement and pressure at 80C / column group 1 of 2

Configuration	Nominal bore mm	Overall length mm	compressed length mm	extended length mm	Allowable axial compression mm	Allowable axial extension mm
Flanged rubber bellows; polymer and flange selected for duty	40	95	87	99	10	6
Flanged rubber bellows; polymer and flange selected for duty	50	105	99	110	10	7
Flanged rubber bellows; polymer and flange selected for duty	65	115	103	121	13	7
Flanged rubber bellows; polymer and flange selected for duty	80	130	118	133	15	8
Flanged rubber bellows; polymer and flange selected for duty	100	135	117	145	19	10
Flanged rubber bellows; polymer and flange selected for duty	125	170	152	180	19	12

Flanged rubber bellows - dimensions, movement and pressure at 80C / column group 1 of 2

Configuration	Nominal bore mm	Overall length mm	compressed length mm	extended length mm	Allowable axial compression mm	Allowable axial extension mm
Flanged rubber bellows; polymer and flange selected for duty	150	180	162	190	20	12
Flanged rubber bellows; polymer and flange selected for duty	200	205	180	220	25	16
Flanged rubber bellows; polymer and flange selected for duty	250	240	215	254	25	16
Flanged rubber bellows; polymer and flange selected for duty	300	260	235	274	25	16
Flanged rubber bellows; polymer and flange selected for duty	350	265	240	281	25	16
Flanged rubber bellows; polymer and flange selected for duty	400	265	240	281	25	16
Flanged rubber bellows; polymer and flange selected for duty	450	265	240	281	25	16
Flanged rubber bellows; polymer and flange selected for duty	500	265	240	281	25	16
Flanged rubber bellows; polymer and flange selected for duty	600	265	240	281	25	16

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flanged rubber bellows - dimensions, movement and pressure at 80C / column group 2 of 2

Configuration	Nominal bore mm	Allowable lateral deflection mm	Allowable angular deflection degree	Operating pressure at 80 c bar	vacuum mm hg (mmHg)
Flanged rubber bellows; polymer and flange selected for duty	40	9	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	50	10	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	65	11	15	16	660

Flanged rubber bellows - dimensions, movement and pressure at 80C / column group 2 of 2

Configuration	Nominal bore mm	Allowable lateral deflection mm	Allowable angular deflection degree	Operating pressure at 80 c bar	vacuum mm hg (mmHg)
Flanged rubber bellows; polymer and flange selected for duty	80	12	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	100	13	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	125	13	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	150	13	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	200	14	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	250	22	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	300	22	15	16	660
Flanged rubber bellows; polymer and flange selected for duty	350	22	15	10	660
Flanged rubber bellows; polymer and flange selected for duty	400	22	15	10	660
Flanged rubber bellows; polymer and flange selected for duty	450	22	15	10	660
Flanged rubber bellows; polymer and flange selected for duty	500	22	15	10	660
Flanged rubber bellows; polymer and flange selected for duty	600	22	15	10	660

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flanged rubber bellows with configuration-specific movement and pressure limits. Operating pressure: 16 bar for NB40-300 and 10 bar for NB350-600, at 80°C. Vacuum 660 mmHg retains its original unit; confirm the vacuum convention for the design. Axial, lateral and angular movements require joint selection; maximum movements must not be assumed simultaneous. Match polymer, flange drilling, anchors and installed length to the duty.

Flanged rubber bellows - dimensions, movement and pressure at 80C - construction & conditions

Parameter	Specification
Stock polymer options	EPDM / Chloroprene / Butyl
Flange material	Zinc-plated mild steel
Standard drilling	BS4504 / BS10
Selection required	Polymer, flanges, fluid, temperature, movement and anchors must be selected together

Flanged rubber bellows with configuration-specific movement and pressure limits. Operating pressure: 16 bar for NB40-300 and 10 bar for NB350-600, at 80°C. Vacuum 660 mmHg retains its original unit; confirm the vacuum convention for the design. Axial, lateral and angular movements require joint selection; maximum movements must not be assumed simultaneous. Match polymer, flange drilling, anchors and installed length to the duty.

Flanged rubber bellows - dimensions, movement and pressure at 80C

Parameter	Specification
Function	Absorbs axial, lateral and angular movement from thermal expansion, vibration and slight misalignment
Bore range mm	40 / 600
Stock polymer options	EPDM / Chloroprene / Butyl
Flange material	Zinc-plated mild steel
Flange drilling options	BS4504 / BS10
Epdm compatibility limit	Not suitable for oil
Other named construction	Nitrile liner/chloroprene cover for selected oil/grease/petroleum duty

Flanged rubber bellows with configuration-specific movement and pressure limits. Operating pressure: 16 bar for NB40-300 and 10 bar for NB350-600, at 80°C. Vacuum 660 mmHg retains its original unit; confirm the vacuum convention for the design. Axial, lateral and angular movements require joint selection; maximum movements must not be assumed simultaneous. Match polymer, flange drilling, anchors and installed length to the duty.

Hose bellows expansion joints

Parameter	Specification
Construction options	Metal bellows / Rubber bellows / Fabric expansion joint
Functions	Movement accommodation / Vibration isolation

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

018 / Hose flanges and end fittings

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Site-cut slurry hose matched to split flanges drilled PN10

Nominal bore mm	Id mm	Od mm	Wall thickness mm	Liner thickness mm	Flange pcd mm	Bolt count	Bolt hole diameter mm	Flange od mm	Flange thickness mm	Coupling length mm
50	51	80	14.5	6	125	4	14	165	14	92
65	64	94	15	6	145	4	18	185	14	92
80	76	107	15.5	6	160	4	18	195	14	100
100	102	133	15.5	6	180	8	18	217	14	124
125	127	158	15.5	6	210	8	18	254	15	140
150	152	188	18	6	240	8	22	280	16	150
200	203	238	17.5	6	295	8	22	340	18	200
250	250	285	17.5	6	350	12	22	405	22	200
300	301	341	20	6	400	12	22	478	22	250
350	330	375	22.5	9	460	16	22	530	24	380

Slurry hose geometry matched to a PN10 split-flange construction. Dimensions apply to the matching hose and coupling geometry. A10 bar design envelope is not a pressure rating for every hose or every flange carrying a PN10 drilling.

Site-cut slurry hose matched to split flanges drilled PN10 - construction & conditions

Parameter	Specification
Construction	Helix-reinforced hose matched to corresponding split-flange corrugation
Temperature range c	-20 / 80
Working pressure upper envelope bar	10
Pressure scope	Matching hose/coupling construction only; not all hoses or all PN10 flanges

Slurry hose geometry matched to a PN10 split-flange construction. Dimensions apply to the matching hose and coupling geometry. A10 bar design envelope is not a pressure rating for every hose or every flange carrying a PN10 drilling.

Hose flanges end fittings

Parameter	Specification
Material options	Mild steel / Stainless steel
Attachment options	Vulcanised/built-in hose end / Clamped fitting

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

019 / Rubber sleeves and buffers

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Rubber sleeves buffers

Parameter	Specification
Construction	Soft flexible rubber connectors
Design	Made to customer dimensional/material requirements

Rubber sleeves buffers

Parameter	Specification
Functions	Flexible connection / Movement/vibration accommodation
Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.	
Application & quotation checklist	
Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements	

020 / Soft-wall slurry delivery hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: 7207 080 / 7207 100 / 7207 114 / 7207 125 / 7207 140 / 7207 150 / 7207 165 / 7207 178 / 7207 200 / 7207 230 / 7207 254 / 7207 305 / 7207 355 / 7207 375 / 7207 405 / 7207 457

Soft-wall slurry delivery hose - 7207 standard series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Min bend radius mm	Mass kg m (kg/m)	Configuration
7207 080	80	3	76.2	93	10.0	800	3.5	Soft-wall slurry delivery hose - 7207 standard series
7207 100	100	4	101.6	119	10.0	1067	4.4	Soft-wall slurry delivery hose - 7207 standard series
7207 114	114	4½	114	131	10.0	1197	4.9	Soft-wall slurry delivery hose - 7207 standard series
7207 125	125	5	127	144	10.0	1334	5.4	Soft-wall slurry delivery hose - 7207 standard series
7207 140	140	5½	140	157	10.0	1470	5.9	Soft-wall slurry delivery hose - 7207 standard series
7207 150	150	6	152.4	169	10.0	1600	6.5	Soft-wall slurry delivery hose - 7207 standard series

Soft-wall slurry delivery hose - 7207 standard series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Min bend radius mm	Mass kg m (kg/m)	Configuration
7207 165	165	6½	165	182	10.0	1733	6.9	Soft-wall slurry delivery hose - 7207 standard series
7207 178	180	7	178	195	10.0	1869	7.6	Soft-wall slurry delivery hose - 7207 standard series
7207 200	200	8	203.2	220	10.0	2134	8.5	Soft-wall slurry delivery hose - 7207 standard series
7207 230	220	8½	220	238	10.0	2310	9.7	Soft-wall slurry delivery hose - 7207 standard series
7207 254	250	10	254	271	10.0	2667	10.6	Soft-wall slurry delivery hose - 7207 standard series
7207 305	300	12	304.8	322	10.0	3200	13.1	Soft-wall slurry delivery hose - 7207 standard series
7207 355	350	14	355.6	372	10.0	3734	14.4	Soft-wall slurry delivery hose - 7207 standard series
7207 375	380	15	380	397	10.0	3990	15.7	Soft-wall slurry delivery hose - 7207 standard series
7207 405	400	16	406.4	422	10.0	4267	16.3	Soft-wall slurry delivery hose - 7207 standard series
7207 457	450	18	457.2	479	10.0	4801	24.1	Soft-wall slurry delivery hose - 7207 standard series

7207-series standard soft-wall slurry delivery hose. The coded configurations shown have 10 bar working pressure. Higher custom manufacturing pressures require a separately engineered construction.

Soft-wall slurry delivery hose - 7207 standard series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	Wet/dry-abrasion rubber, NR40 or NR70 options
Reinforcement	Polyester cord plies; wire-free

Soft-wall slurry delivery hose - 7207 standard series

Parameter	Specification
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80
Custom bore envelope mm	50 / 1200
Max build length m	20
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Plain / Cuffed / Fixed/floating flange / D-ring / Grooved / custom as appropriate
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings
Custom build pressure envelope bar	100

7207-series standard soft-wall slurry delivery hose. The coded configurations shown have 10 bar working pressure. Higher custom manufacturing pressures require a separately engineered construction.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
7207 080	Soft-wall slurry hose - nominal 80 mm	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

021 / Hard-wall slurry suction hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: 7102 040 / 7102 050 / 7102 065 / 7102 080 / 7102 100 / 7102 125 / 7102 150 / 7102 178 / 7102 200 / 7102 250 / 7102 300 / 7102 350 / 7102 400 / 7102 450 / 7102 500 / 7102 560 / 7102 600

Hard-wall slurry suction hose - 7102 standard series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Min bend radius mm	Vacuum magnitude kpa	Mass kg m (kg/m)	Configuration
7102 040	40	1½	38.1	52	10.0	324	90	1.4	Hard-wall slurry suction hose - 7102 standard series
7102 050	50	2	50.8	69.8	10.0	432	90	2.3	Hard-wall slurry suction hose - 7102 standard series
7102 065	65	2½	63.5	82.5	10.0	540	90	2.8	Hard-wall slurry suction hose - 7102 standard series
7102 080	80	3	76.2	101.2	10.0	648	90	4.9	Hard-wall slurry suction hose - 7102 standard series
7102 100	100	4	101.6	126.6	10.0	864	90	6.3	Hard-wall slurry suction hose - 7102 standard series
7102 125	125	5	127	154	10.0	1080	90	8.4	Hard-wall slurry suction hose - 7102 standard series
7102 150	150	6	152.4	181	10.0	1295	90	10.3	Hard-wall slurry suction hose - 7102 standard series
7102 178	180	7	178	207	10.0	1513	90	11.9	Hard-wall slurry suction hose - 7102 standard series
7102 200	200	8	203.2	232	10.0	1727	90	13.5	Hard-wall slurry suction hose - 7102 standard series
7102 250	250	10	254	283	10.0	2159	90	15.7	Hard-wall slurry suction hose - 7102 standard series
7102 300	300	12	304.8	334	10.0	2591	90	18.7	Hard-wall slurry suction hose - 7102 standard series
7102 350	350	14	355.6	389	10.0	3023	80	27.8	Hard-wall slurry suction hose - 7102 standard series
7102 400	400	16	406.4	444	10.0	3454	80	37.2	Hard-wall slurry suction hose - 7102 standard series
7102 450	450	18	457.2	495	10.0	3886	80	41.2	Hard-wall slurry suction hose - 7102 standard series

Hard-wall slurry suction hose - 7102 standard series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Min bend radius mm	Vacuum magnitude kpa	Mass kg m (kg/m)	Configuration
7102 500	500	20	508	547	10.0	4318	70	45.6	Hard-wall slurry suction hose - 7102 standard series
7102 560	550	22	558.8	603	10.0	4750	70	60.5	Hard-wall slurry suction hose - 7102 standard series
7102 600	600	24	609.6	655	10.0	5182	70	65.9	Hard-wall slurry suction hose - 7102 standard series

Hard-wall slurry suction hose - 7102 standard series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Hard-wall slurry suction hose - 7102 standard series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	Wet/dry-abrasion rubber, NR40 or NR70 options
Reinforcement	Polyester cord plus high-tensile wire helix or steel hoops
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80
Custom bore envelope mm	40 / 1200
Max build length m	20
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Plain / Cuffed / Fixed/floating flange / D-ring / Grooved / custom as appropriate
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings
Custom build pressure envelope kpa	-90 / 5000

Hard-wall slurry suction hose - 7102 standard series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
7102 040	Hard-wall slurry hose - nominal 40 mm	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

022 / Dredging hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Dredging hose

Parameter	Specification
Application	Abrasive dredging slurry transfer
Liner	Selected wear-resistant liner and thickness; steelwear rings offered
Max bore mm	1200
Pressure upper envelope bar	20
Design factor	4
Designed elongation dilation percent	0 / 2
End options	D-ring/beadedring / Double-laminated flange
Flotation option	Two-pieceLDPE floats
Wear monitoring option	Yes

Values apply only to the named construction. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Select liner,wear allowance,length,pressure-temperature duty,flotation and flange capacity together.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

023 / Self-floating dredging hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Self floating dredging hose

Parameter	Specification
Float material	LDPE
Accessory properties	UV protection / Impact resistance / Marine-grade galvanized fittings
Design inputs	Filled hose/pipe mass / Slurry density / HoseOD / Spacing / Required freeboard / Current/wave load

Flotation systems for dredging hose and pipe. The flotation data describes separateLDPE floats; it does not establish an integral-buoyancy hosewall construction. Select the buoyancy system for the filled line,spacing and site conditions.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

024 / Ceramic-lined slurry hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: CER 150 / CER 178 / CER 200 / CER 250 / CER 300 / CER 350 / CER 400 / CER 450 / CER 500 / CER 600

Ceramic-lined slurry hose - CER series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Rubber liner thickness mm	Ceramic tile thickness mm	Min bend radius mm	Mass kg m (kg/m)	Configuration
CER 150	150	6	152.4	205	13	6	2128	27.7	Ceramic-lined slurry hose - CER series

Ceramic-lined slurry hose - CER series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Rubber liner thickness mm	Ceramic tile thickness mm	Min bend radius mm	Mass kg m (kg/m)	Configuration
CER 178	178	7	178	234	13	6	2492	34.3	Ceramic-lined slurry hose - CER series
CER 200	200	8	203.2	259	13	6	2842	37.3	Ceramic-lined slurry hose - CER series
CER 250	250	10	254	320	13	6	3556	46.2	Ceramic-lined slurry hose - CER series
CER 300	300	12	304.8	371	13	6	4270	68.9	Ceramic-lined slurry hose - CER series
CER 350	350	14	355.6	421	13	6	4970	76.4	Ceramic-lined slurry hose - CER series
CER 400	400	16	406.4	472	13	6	5684	85.9	Ceramic-lined slurry hose - CER series
CER 450	450	18	457.2	523	13	6	6398	95.7	Ceramic-lined slurry hose - CER series
CER 500	500	20	508	579	13	6	7112	113.8	Ceramic-lined slurry hose - CER series
CER 600	600	24	609.6	687	13	6	8540	144.5	Ceramic-lined slurry hose - CER series

Ceramic-lined slurry hose - CER series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Ceramic-lined slurry hose - CER series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	6mm hexagonal ceramic tiles,92%alumina,plus sacrificial rubber
Reinforcement	Polyester cord plus high-tensile wire helix
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80

Ceramic-lined slurry hose - CER series

Parameter	Specification
Custom bore envelope mm	150 / 1200
Max build length m	20
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Plain ends / Fixed/floating flange / Double-laminated flange / D-ring / Custom to order
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings
Custom build pressure envelope kpa	-90 / 5000

Ceramic-lined slurry hose - CER series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

025 / Remining monitor-gun hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: FRA40.150ST / FRA40.200ST

Remining monitor-gun hose - FRA40 standard series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Min bend radius mm	Mass kg m (kg/m)	Configuration
FRA40.150ST	150	6	152.4	186	40.0	1824	24.5	Remining monitor-gun hose - FRA40 standard series
FRA40.200ST	200	8	203	238	40.0	2440	37.8	Remining monitor-gun hose - FRA40 standard series

FRA40-series monitor hose: exact standard configuration ratings. FRA40.150ST and FRA40.200ST are rated 40 bar working pressure. A separate custom-build or test-pressure figure must not replace this working pressure.

Remining monitor-gun hose - FRA40 standard series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	NR70 high-cut/impact-resistant rubber
Reinforcement	Steel or polyester cord plies
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80
Custom bore envelope mm	150 / 200
Max build length m	10
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Double-laminated flange / D-ring / Custom to order
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings

FRA40-series monitor hose: exact standard configuration ratings. FRA40.150ST and FRA40.200ST are rated 40 bar working pressure. A separate custom-build or test-pressure figure must not replace this working pressure.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

026 / Air and water hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H6001 006X / H6001 008X / H6001 010X / H6001 012X / H6001 016X / H6001 020X / H6001 025X / H6001 032X / H6001 040X / H6001 045X / H6001 050X / H6001 065X / H6001 080X / H6001 100X / 6036 012X / 6036 016X / 6036 020X / 6036 025X / 6036 032X / 6036 040X / 6036 045X / 6036 050X / 6036 065X / 6036 080X / 6036 100X

Rubber air/water delivery hose, 10 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Rubber air/water delivery hose,10bar series	50	61	10	30	1.073	30
Rubber air/water delivery hose,10bar series	63	74	10	30	1.537	30
Rubber air/water delivery hose,10bar series	75	88	10	30	2.027	30
Rubber air/water delivery hose,10bar series	100	115	10	30	2.778	30

Rubber air/water delivery hose, 10 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber air/water delivery hose, 10 bar series - construction & conditions

Parameter	Specification
Tube	NR/SBR elastomer
Reinforcement	Synthetic fabric
Cover	EPDM synthetic rubber
Temperature range c	-20 / 80
Safety factor	3

Rubber air/water delivery hose, 10 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Air/water rubber hose - medium-pressure series

Part code	Nominal bore (mm)	Actual bore (mm)	Approximate OD (mm)	Working pressure (bar)	Approximate mass (kg/m)	Working pressure kpa	Size inch
H6001 006X	6.0	6.0	11.5	20.0	0.16	2000	¼
H6001 008X	8.0	8.0	14.5	20.0	0.21	2000	5/16
H6001 010X	10.0	10.0	16.5	20.0	0.25	2000	¾
H6001 012X	12.0	12.7	20.7	20.0	0.338	2000	½

Air/water rubber hose - medium-pressure series

Part code	Nominal bore (mm)	Actual bore (mm)	Approximate OD (mm)	Working pressure (bar)	Approximate mass (kg/m)	Working pressure kpa	Size inch
H6001 016X	16.0	15.88	25.0	20.0	0.466	2000	$\frac{5}{8}$
H6001 020X	20.0	19.05	28.1	20.0	0.519	2000	$\frac{3}{4}$
H6001 025X	25.0	25.4	35.0	10.0	0.686	1000	1
H6001 032X	32.0	31.7	42.7	10.0	0.959	1000	1 $\frac{1}{4}$
H6001 040X	40.0	38.1	50.1	10.0	1.228	1000	1 $\frac{1}{2}$
H6001 045X	45.0	44.5	56.5	10.0	1.385	1000	1 $\frac{3}{4}$
H6001 050X	50.0	50.8	64.4	10.0	1.789	1000	2
H6001 065X	65.0	63.5	76.5	10.0	2.031	1000	2 $\frac{1}{2}$
H6001 080X	80.0	76.2	90.0	10.0	2.579	1000	3
H6001 100X	100.0	101.6	116.2	10.0	3.465	1000	4

Air/water rubber hose - medium-pressure series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Air/water rubber hose - medium-pressure series - construction & conditions

Parameter	Specification
Tube	Blend of natural and synthetic rubber
Reinforcement	Synthetic yarn cords
Cover	Natural/synthetic rubber blend, wrapped finish
Temperature range c	-20 / 80
Standard roll length m	30
Configuration	Rubber air/water hose - medium-pressure series
Temperature min c	-20
Temperature max c	80

Air/water rubber hose - medium-pressure series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Air/water rubber hose - high-pressure mining series

Part code	Nominal bore (mm)	Actual bore (mm)	Approximate OD (mm)	Working pressure (bar)	Approximate mass (kg/m)	Working pressure kpa	Size inch
6036 012X	12.0	12.7	20.7	20.0	0.338	2000	½
6036 016X	16.0	15.88	25.0	20.0	0.466	2000	⅝
6036 020X	20.0	19.05	28.1	20.0	0.519	2000	¾
6036 025X	25.0	25.4	35.0	14.0	0.686	1400	1
6036 032X	32.0	31.7	42.7	14.0	0.959	1400	1¼
6036 040X	40.0	38.1	50.1	14.0	1.228	1400	1½
6036 045X	45.0	44.5	56.5	14.0	1.385	1400	1¾
6036 050X	50.0	50.8	64.4	14.0	1.789	1400	2
6036 065X	65.0	63.5	76.5	14.0	2.031	1400	2½
6036 080X	80.0	76.2	90.0	14.0	2.579	1400	3
6036 100X	100.0	101.6	116.2	14.0	3.465	1400	4

Air/water rubber hose - high-pressure mining series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Air/water rubber hose - high-pressure mining series - construction & conditions

Parameter	Specification
Tube	Blend of natural and synthetic rubber
Reinforcement	Synthetic yarn cords
Cover	Natural/synthetic rubber blend,wrapped finish
Temperature range c	-20 / 80
Standard roll length m	30
Configuration	Rubber air/water hose - mining high-pressure series

[Air/water rubber hose - high-pressure mining series - construction & conditions](#)

Parameter	Specification
Temperature min c	-20
Temperature max c	80

Air/water rubber hose - high-pressure mining series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

[Air water hose](#)

Parameter	Specification
Tube	Black natural/synthetic rubber blend
Reinforcement	Synthetic yarn plies
Named variants	Medium-duty industrial / Heavy-duty mining
Temperature range c	-20 / 80
Standard roll length m	30

Values apply only to the named construction. Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

[Rubber air/water delivery hose, 10 bar series](#)

Parameter	Specification
Configurations	Rubber air/water delivery hose, 10 bar series - Only the named construction; other codes or constructions require their own specification.

Rubber air/water delivery hose, 10 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

[Air/water rubber hose - medium-pressure series](#)

Parameter	Specification
Tube	Blend of natural and synthetic rubber - Only the named construction; other codes or constructions require their own specification.
Reinforcement	Synthetic yarn cords - Only the named construction; other codes or constructions require their own specification.
Cover	Natural/synthetic rubber blend, wrapped finish - Only the named construction; other codes or constructions require their own specification.
Temperature range c	-20 / 80 - Only the named construction; other codes or constructions require their own specification.

Air/water rubber hose - medium-pressure series

Parameter	Specification
Standard roll length m	30

Air/water rubber hose - medium-pressure series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Air/water rubber hose - high-pressure mining series

Parameter	Specification
Tube	Blend of natural and synthetic rubber - Only the named construction; other codes or constructions require their own specification.
Reinforcement	Synthetic yarn cords - Only the named construction; other codes or constructions require their own specification.
Cover	Natural/synthetic rubber blend,wrapped finish - Only the named construction; other codes or constructions require their own specification.
Temperature range c	-20 / 80 - Only the named construction; other codes or constructions require their own specification.
Standard roll length m	30

Air/water rubber hose - high-pressure mining series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

027 / Layflat delivery hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: HLFBLUE 02530X / HLFBLUE 03230X / HLFBLUE 04030X / HLFBLUE 05030X / HLFBLUE 06530X / HLFBLUE 08030X / HLFBLUE 10030X / HLFBLUE 15030X / HLFRED 04080X / HLFRED 05080X / HLFRED 06580X / HLFRED 08080X / HLFRED 10080X / HLFRED 15080X / HLFRED 20060X / HLFYELLOW 04080X / HLFYELLOW 05080X / HLFYELLOW 06580X / HLFYELLOW 07580X / HLFYELLOW 10080X / HLFYELLOW 15080X / HLFYELLOW 20060X / HLFHDBLCK 040X / HLFHDBLCK 050X / HLFHDBLCK 065X / HLFHDBLCK 080X / HLFHDBLCK 100X / HLFHDBLCK 150X / HLFGREY 10030X / HLFGREY 15030X

Blue PVC layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFBLUE 02530X	BluePVC layflat	25	1	25	27.6	1.3	4.0	15.0	0.15

Blue PVC layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFBLUE 03230X	BluePVC layflat	32	1¼	32	34.4	1.2	4.0	15.0	0.17
HLFBLUE 04030X	BluePVC layflat	40	1½	38	40.4	1.2	4.0	15.0	0.2
HLFBLUE 05030X	BluePVC layflat	50	2	51	53	1.0	4.0	15.0	0.22
HLFBLUE 06530X	BluePVC layflat	65	2½	64	66.2	1.1	4.0	15.0	0.32
HLFBLUE 08030X	BluePVC layflat	80	3	76	78.2	1.1	4.0	15.0	0.36
HLFBLUE 10030X	BluePVC layflat	100	4	103	105.5	1.25	4.0	15.0	0.55
HLFBLUE 15030X	BluePVC layflat	150	6	153	155.7	1.35	3.0	9.0	0.9

Blue PVC layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty.

Red PVC layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFRED 04080X	RedPVC layflat	40	1½	38	40.4	1.2	6.0	18.0	0.23
HLFRED 05080X	RedPVC layflat	50	2	51	53.7	1.35	6.0	18.0	0.3
HLFRED 06580X	RedPVC layflat	65	2½	64	67.1	1.55	6.0	18.0	0.45
HLFRED 08080X	RedPVC layflat	80	3	76	79	1.5	6.0	18.0	0.5
HLFRED 10080X	RedPVC layflat	100	4	103	106.8	1.9	6.0	18.0	0.79
HLFRED 15080X	RedPVC layflat	150	6	153	157.8	2.4	6.0	18.0	1.65
HLFRED 20060X	RedPVC layflat	200	8	203	208.2	2.6	6.0	18.0	2.8

Red PVC layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty.

Yellow PVC layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFYELLOW 04080X	YellowPVC layflat	40	1½	38	41.4	1.7	10.0	31.0	0.29
HLFYELLOW 05080X	YellowPVC layflat	50	2	51	54.1	1.55	8.0	25.0	0.35
HLFYELLOW 06580X	YellowPVC layflat	65	2½	64	67.8	1.9	8.0	26.0	0.55
HLFYELLOW 07580X	YellowPVC layflat	80	3	76	80	2	8.0	25.0	0.66
HLFYELLOW 10080X	YellowPVC layflat	100	4	103	107.5	2.25	8.0	24.0	1.0
HLFYELLOW 15080X	YellowPVC layflat	150	6	153	159	3	8.0	24.0	2.0
HLFYELLOW 20060X	YellowPVC layflat	200	8	203	209.4	3.2	6.0	17.0	2.8

Yellow PVC layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty.

Black NBR layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFHDBLCK 040X	BlackNBR layflat	40	1½	38	41	1.5	17.0	51.0	0.26
HLFHDBLCK 050X	BlackNBR layflat	50	2	50	54	2	17.0	51.0	0.35
HLFHDBLCK 065X	BlackNBR layflat	65	2½	64	68	2	17.0	51.0	0.42
HLFHDBLCK 080X	BlackNBR layflat	80	3	76	80	2	17.0	51.0	0.6
HLFHDBLCK 100X	BlackNBR layflat	100	4	102	107	2.5	17.0	51.0	0.9
HLFHDBLCK 150X	BlackNBR layflat	150	6	150	158	3	15.0	45.0	1.5

Black NBR layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty.

Grey TPR/nitrile layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Mass kg m (kg/m)
HLFGREY 10030X	GreyTPR/nitrile layflat	100	4	103	105.5	1.25	10	0.9

Grey TPR/nitrile layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Mass kg m (kg/m)
HLFGREY 15030X	GreyTPR/nitrile layflat	150	6	153	155.7	1.35	10	1.5

Grey TPR/nitrile layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty. Confirm the burst-pressure requirement before assembly selection.

Blue PVC layflat hose, 4 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Blue PVC layflat hose,4bar series	38	40.4	4	12	0.195	100
Blue PVC layflat hose,4bar series	50	53	4	12	0.225	100
Blue PVC layflat hose,4bar series	63	66.84	4	12	0.285	100
Blue PVC layflat hose,4bar series	75	79	4	12	0.385	100
Blue PVC layflat hose,4bar series	100	104	4	12	0.55	100
Blue PVC layflat hose,4bar series	150	154	4	12	0.89	100

Blue PVC layflat hose, 4 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Blue PVC layflat hose, 4 bar series - construction & conditions

Parameter	Specification
Tube	Cylindrically woven textile/PVC construction
Reinforcement	Textile cords
Cover	Blue plasticised PVC
Temperature range c	0 / 60
Safety factor	3
Service	Water discharge;not suction hose

Blue PVC layflat hose, 4 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Blue PVC layflat hose, 7 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Blue PVC layflat hose,7bar series	50	53	7	21	0.41	100
Blue PVC layflat hose,7bar series	75	79	7	21	0.615	100
Blue PVC layflat hose,7bar series	100	104	7	21	0.885	100
Blue PVC layflat hose,7bar series	150	154	7	21	1.6	100

Blue PVC layflat hose, 7 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Blue PVC layflat hose, 7 bar series - construction & conditions

Parameter	Specification
Tube	Cylindrically woven textile/PVC construction
Reinforcement	Textile cords
Cover	Blue plasticised PVC
Temperature range c	0 / 60
Safety factor	3
Service	Water discharge;not suction hose

Blue PVC layflat hose, 7 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Red PVC layflat hose, medium-duty series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Red PVC layflat hose,medium-duty series	38	42.8	8	24	0.345	100
Red PVC layflat hose,medium-duty series	50	53.7	8	24	0.476	100
Red PVC layflat hose,medium-duty series	63	68.3	8	24	0.52	100

Red PVC layflat hose, medium-duty series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Red PVC layflat hose,medium-duty series	75	83.3	8	24	0.675	100
Red PVC layflat hose,medium-duty series	100	105.9	8	24	0.89	100
Red PVC layflat hose,medium-duty series	150	158.2	6	18	1.81	100
Red PVC layflat hose,medium-duty series	200	208.5	6	18	2.03	100

Red PVC layflat hose, medium-duty series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Red PVC layflat hose, medium-duty series - construction & conditions

Parameter	Specification
Tube	Cylindrically woven textile/PVC construction
Reinforcement	Textile cords
Cover	Red plasticised PVC
Temperature range c	0 / 60
Safety factor	3
Service	Water discharge;not suction hose

Red PVC layflat hose, medium-duty series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Black NBR abrasion-resistant layflat hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Black NBR abrasion-resistant layflat hose	50	54	21	63	0.46	100
Black NBR abrasion-resistant layflat hose	75	78	21	63	0.87	100

Black NBR abrasion-resistant layflat hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Black NBR abrasion-resistant layflat hose	100	106	21	63	1.3	100
Black NBR abrasion-resistant layflat hose	150	157.5	17	51	2.6	100
Black NBR abrasion-resistant layflat hose	200	208	15	45	3.5	100

Black NBR abrasion-resistant layflat hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Black NBR abrasion-resistant layflat hose - construction & conditions

Parameter	Specification
Tube	NBR
Reinforcement	Circular-woven polyester jacket
Cover	Ribbed NBR
Temperature range c	-20 / 80
Safety factor	3
Service	Fluid transfer including light slurry;not universal heavy-abrasion/slurry hose

Black NBR abrasion-resistant layflat hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Blue PVC layflat hose, 4 bar series

Parameter	Specification
Configurations	Blue PVC layflat hose, 4 bar series / Blue PVC layflat hose, 7 bar series / Red PVC layflat hose, medium-duty series / Black NBR abrasion-resistant layflat hose - Only the named construction; other codes or constructions require their own specification.

Blue PVC layflat hose, 4 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

028 / Fire-fighting water and foam hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

64 mm fire-fighting water/foam hose configurations

Configuration	Id mm	Standard length m	Working pressure bar	Burst pressure bar	Construction
NitrileTPR red	64	30	21	63	Polyester filament andNitrile/TPR tube
Synthetic jacket blue	64	30	15	45	Virginpolyester jacket withPVC

Water/foam fire-fighting hose in two 64 mm constructions. Red nitrile/TPR: 21 bar working pressure and 63 bar burst pressure. Blue synthetic-jacket/PVC: 15 bar working pressure and 45 bar burst pressure. These are fire-fighting delivery constructions; automatic machine fire-suppression agent compatibility and approval require separate selection.

64 mm fire-fighting water/foam hose configurations - construction & conditions

Parameter	Specification
Application	Firebrigade/industrial water and foam delivery
Claimed standard	BS6391Type3
Automatic fire suppression approval	Not established; this is not automatic machine fire-suppression hose selection

Water/foam fire-fighting hose in two 64 mm constructions. Red nitrile/TPR: 21 bar working pressure and 63 bar burst pressure. Blue synthetic-jacket/PVC: 15 bar working pressure and 45 bar burst pressure. These are fire-fighting delivery constructions; automatic machine fire-suppression agent compatibility and approval require separate selection.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

029 / Oxygen and acetylene welding hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: HACET 008X / HOCY 008X

Gas-specific oxygen/acetylene hose variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Burst pressure bar	Mass kg m (kg/m)
HACET 008X	Acetylene hose	8	5/16	7.94	16.3	4.1	70.0	0.34
HOCY 008X	Oxygen hose	8	5/16	7.94	16.3	4.1	70.0	0.34

Gas-specific oxygen/acetylene hose variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct oxygen or acetylene construction and identification; LPG hose is a separate selection.

Gas-specific oxygen/acetylene hose variants - construction & conditions

Parameter	Specification
Tube	BlackNR/SBR
Reinforcement	Woven polyester
Cover	UV/ozone/abrasion-resistant,self-extinguishing rubber
Claimed standard	ISO3821:2019
Standard roll length m	100

Gas-specific oxygen/acetylene hose variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct oxygen or acetylene construction and identification; LPG hose is a separate selection.

Oxygen/acetylene gas hose, 20 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Oxygen/acetylene gas hose,20bar series	8	16	20	60	0.18	100

Oxygen/acetylene gas hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Oxygen/acetylene gas hose, 20 bar series - construction & conditions

Parameter	Specification
Tube	High-ignition-temperature synthetic rubber
Reinforcement	Synthetic textile yarn

Oxygen/acetylene gas hose, 20 bar series - construction & conditions

Parameter	Specification
Cover	Weather-resistant synthetic rubber
Temperature range c	-20 / 80
Safety factor	3
Gas identification	Red acetylene;blue oxygen;do not interchange by colour inference alone

Oxygen/acetylene gas hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Oxygen/acetylene gas hose, 20 bar series

Parameter	Specification
Configurations	Oxygen/acetylene gas hose, 20 bar series - Only the named construction; other codes or constructions require their own specification.

Oxygen/acetylene gas hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

030 / Radiator coolant hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8105 020X / H8105 025X / H8105 028X / H8105 032X / H8105 035X / H8105 040X / H8105 045X / H8105 050X / H8105 057X / H8105 060X / H8105 063X / H8105 070X / H8105 075X / H8105 080X / H8105 090X / H8105 100X / H8105 115X

EPDM radiator hose -H8105

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Mass kg m (kg/m)
H8105 020X	EPDM radiator hose -H8105	20	¾	19.05	29.05	5.0	0.7
H8105 025X	EPDM radiator hose -H8105	25	1	25.4	35.4	5.0	0.86
H8105 028X	EPDM radiator hose -H8105	28	1⅝	28.6	38.6	5.0	0.93

EPDM radiator hose -H8105

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Mass kg m (kg/m)
H8105 032X	EPDM radiator hose -H8105	32	1¼	31.75	41.75	5.0	1.01
H8105 035X	EPDM radiator hose -H8105	35	1⅝	34.93	44.93	5.0	1.09
H8105 040X	EPDM radiator hose -H8105	40	1½	38.1	48.1	5.0	1.16
H8105 045X	EPDM radiator hose -H8105	45	1¾	44.5	54.5	5.0	1.32
H8105 050X	EPDM radiator hose -H8105	50	2	50.8	60.8	5.0	1.47
H8105 057X	EPDM radiator hose -H8105	57	2¼	57.15	67.15	5.0	1.62
H8105 060X	EPDM radiator hose -H8105	60	2⅜	60.33	70.33	5.0	1.7
H8105 063X	EPDM radiator hose -H8105	63	2½	63.5	75.5	5.0	1.83
H8105 070X	EPDM radiator hose -H8105	70	2¾	69.85	81.85	5.0	1.98
H8105 075X	EPDM radiator hose -H8105	75	3	76.2	88.2	5.0	2.13
H8105 080X	EPDM radiator hose -H8105	80	3⅝	79.38	91.38	5.0	2.21
H8105 090X	EPDM radiator hose -H8105	90	3½	88.9	100.9	5.0	2.44
H8105 100X	EPDM radiator hose -H8105	100	4	101.6	113.6	5.0	2.75
H8105 115X	EPDM radiator hose -H8105	115	4½	114.3	126.3	5.0	3.06

EPDM radiator hose -H8105 Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

EPDM radiator hose -H8105 - construction & conditions

Parameter	Specification
Tube	BlackEPDM
Reinforcement	Synthetic yarn cords
Cover	UV-resistantEPDM,wrapped finish
Temperature range c	-20 / 130

EPDM radiator hose -H8105 - construction & conditions

Parameter	Specification
Standard length m	1
Compatibility limit	Not oil resistant

EPDM radiator hose -H8105 Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

EPDM radiator hose, table configurations

configuration	Inside diameter (mm)	Outside diameter (mm)	Mass (kg/m)	Roll length (m)
EPDM radiator hose,table configurations	22	30	0.73	1
EPDM radiator hose,table configurations	25.4	33	0.88	1
EPDM radiator hose,table configurations	28	36	0.95	1
EPDM radiator hose,table configurations	31.8	40	1.04	1
EPDM radiator hose,table configurations	35	43	1.11	1
EPDM radiator hose,table configurations	38	48	1.18	1
EPDM radiator hose,table configurations	42	52	1.27	1
EPDM radiator hose,table configurations	45	55	1.32	1
EPDM radiator hose,table configurations	48	60	1.38	1
EPDM radiator hose,table configurations	50.8	61	1.47	1
EPDM radiator hose,table configurations	55	65	1.52	1
EPDM radiator hose,table configurations	57	67	1.62	1
EPDM radiator hose,table configurations	60	70	1.71	1
EPDM radiator hose,table configurations	63	73	1.83	1
EPDM radiator hose,table configurations	70	80	1.97	1
EPDM radiator hose,table configurations	76	86	2.14	1

EPDM radiator hose, table configurations

configuration	Inside diameter (mm)	Outside diameter (mm)	Mass (kg/m)	Roll length (m)
EPDM radiator hose,table configurations	80	90	2.25	1
EPDM radiator hose,table configurations	90	102	2.44	1
EPDM radiator hose,table configurations	102	114	2.76	1
EPDM radiator hose,table configurations	114.3	126.1	3.05	1
EPDM radiator hose,table configurations	127	137	3.113	1

Textile-reinforced EPDM radiator hose configurations. Confirm the selected assembly pressure and temperature before quotation. The dimensions shown do not establish an approved working-pressure duty.

EPDM radiator hose, table configurations - construction & conditions

Parameter	Specification
Tube	EPDM
Reinforcement	Textile cords
Cover	Heat/abrasion/weather-resistant synthetic rubber
Temperature range c	-40 / 120
Safety factor	3

Textile-reinforced EPDM radiator hose configurations. Confirm the selected assembly pressure and temperature before quotation. The dimensions shown do not establish an approved working-pressure duty.

EPDM radiator hose -H8105

Parameter	Specification
Tube	BlackEPDM
Reinforcement	Synthetic yarn cords
Cover	UV-resistantEPDM,wrapped finish
Temperature range c	-20 / 130
Standard length m	1

EPDM radiator hose -H8105

Parameter	Specification
Compatibility limit	Not oil resistant

EPDM radiator hose -H8105 Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

EPDM radiator hose, table configurations

Parameter	Specification
Configurations	EPDM radiator hose, table configurations - Only the named construction; other codes or constructions require their own specification.

Textile-reinforced EPDM radiator hose configurations. Confirm the selected assembly pressure and temperature before quotation. The dimensions shown do not establish an approved working-pressure duty.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

031 / Fuel-line hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H6003 004XS / H6003 005XS / H6003 006XS / H6003 008XS / H6003 010XS / H6003 012XS

Fuel line -H6003XS

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Mass kg m (kg/m)
H6003 004XS	Fuel line -H6003XS	4	0.15	4	10	20.0	0.11
H6003 005XS	Fuel line -H6003XS	5	3/16	4.8	11	20.0	0.13
H6003 006XS	Fuel line -H6003XS	6	¼	6.3	12.3	20.0	0.158
H6003 008XS	Fuel line -H6003XS	8	5/16	8	14	20.0	0.219
H6003 010XS	Fuel line -H6003XS	10	¾	9.5	15.5	14.0	0.286
H6003 012XS	Fuel line -H6003XS	12	½	12.5	18.5	14.0	0.359

Fuel line -H6003XS Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Fuel line -H6003XS - construction & conditions

Parameter	Specification
Tube	BlackNBR
Reinforcement	Synthetic yarn cords
Cover	Smooth UV-resistantPVC/NBR
Temperature range c	-20 / 80
Standard roll length m	30
Fuel compatibility	Aromatic hydrocarbon content not exceeding50%; verify exact fuel formulation

Fuel line -H6003XS Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Fuel line -H6003XS

Parameter	Specification
Tube	BlackNBR
Reinforcement	Synthetic yarn cords
Cover	Smooth UV-resistantPVC/NBR
Temperature range c	-20 / 80
Standard roll length m	30
Fuel compatibility	Aromatic hydrocarbon content not exceeding50%; verify exact fuel formulation

Fuel line -H6003XS Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

032 / Furnace coolant hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: 7997.025 / 7997.032 / 7997.038 / 7997.051 / 7997.063 / 7997.076 / 7997.102

Nonconductive EPDM coolant hose -7997 series

Part code	Configuration	Id mm	Od mm	Working pressure bar	Min bend radius mm	Wall construction	max radiant temperature c (°C)
7997.025	EPDM/E-glass soft-wall furnace coolant hose	25	39	10.0	310	Soft wall	500
7997.032	EPDM/E-glass soft-wall furnace coolant hose	32	48	10.0	384	Soft wall	500
7997.038	EPDM/E-glass soft-wall furnace coolant hose	38	58	10.0	465	Soft wall	500
7997.051	EPDM/E-glass soft-wall furnace coolant hose	51	71	10.0	570	Soft wall	500
7997.063	EPDM/E-glass soft-wall furnace coolant hose	63	83	10.0	655	Soft wall	500
7997.076	EPDM/E-glass soft-wall furnace coolant hose	76	96	10.0	770	Soft wall	500
7997.102	EPDM/E-glass soft-wall furnace coolant hose	102	122	10.0	980	Soft wall	500

7997-series nonconductive EPDM coolant hose with E-glass outer protection. 500°C denotes external radiant exposure, not conveyed-fluid temperature. Select coolant temperature, radiant exposure duration and electrical requirements separately. A nonconductive compound does not establish an assembly dielectric certification.

Nonconductive EPDM coolant hose -7997 series - construction & conditions

Parameter	Specification
Tube	Red or white nonconductive EPDM
Reinforcement	Polyester cord
Cover	500g/m2 E-glass cloth impregnated with EPDM
Max roll length m	20
Fluid temperature limit	Not provided by exact table; external radiant-exposure value must not be used as fluid temperature

Nonconductive EPDM coolant hose -7997 series - construction & conditions

Parameter	Specification
Dielectric test standard	Not supplied

7997-series nonconductive EPDM coolant hose with E-glass outer protection. 500°C denotes external radiant exposure, not conveyed-fluid temperature. Select coolant temperature, radiant exposure duration and electrical requirements separately. A nonconductive compound does not establish an assembly dielectric certification.

Nonconductive EPDM coolant hose -7997 series

Parameter	Specification
Tube	Red or white nonconductiveEPDM
Reinforcement	Polyester cord
Cover	EPDM-impregnated500g/m2 E-glass cloth
Fluid temperature limit	Requires selected assembly confirmation
Heat exposure scope	row500C maximum radiant temperature is external exposure only; no duration/flux condition supplied

7997-series nonconductive EPDM coolant hose with E-glass outer protection. 500°C denotes external radiant exposure,not conveyed-fluid temperature. Select coolant temperature,radiant exposure duration and electrical requirements separately. A nonconductive compound does not establish an assembly dielectric certification.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

033 / Steam transfer hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Steel-wire EPDM steam hose - dimensional configurations

Configuration	Id mm	Od mm	Min bend radius mm	Max length m
Steel-wire-reinforced blackEPDM steam hose	12	25	130	30
Steel-wire-reinforced blackEPDM steam hose	20	33	190	30

Steel-wire EPDM steam hose - dimensional configurations

Configuration	Id mm	Od mm	Min bend radius mm	Max length m
Steel-wire-reinforced blackEPDM steam hose	25	40	250	30

Steel-wire-reinforced EPDM steam hose dimensions. Select steam hose against operating temperature, working pressure, surge and the required safety factor. Dimensions shown do not establish an approved steam operating duty.

Steel-wire EPDM steam hose - dimensional configurations - construction & conditions

Parameter	Specification
Tube	Smooth blackEPDM
Reinforcement	High-tension steel wire
Cover	EPDM
Standard roll length m	30

Steel-wire-reinforced EPDM steam hose dimensions. Select steam hose against operating temperature, working pressure, surge and the required safety factor. Dimensions shown do not establish an approved steam operating duty.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

034 / Chemical suction and delivery hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: CU16-19 / CU16-25 / CU16-51

UHMWPE-lined chemical suction/delivery -CU16 / column group 1 of 2

Part code	Configuration	Size inch	Id mm	Od mm	Working pressure bar	Burst pressure bar	Safety factor	Min bend radius mm	Mass kg m (kg/m)	max length m
CU16-19	UHMWPE-lined chemical suction/delivery CU16	¾	19	30	16	64	4	130	0.7	100

UHMWPE-lined chemical suction/delivery -CU16 / column group 1 of 2

Part code	Configuration	Size inch	Id mm	Od mm	Working pressure bar	Burst pressure bar	Safety factor	Min bend radius mm	Mass kg m (kg/m)	max length m
CU16-25	UHMWPE-lined chemical suction/delivery CU16	1	25	36	16	64	4	150	0.9	100
CU16-51	UHMWPE-lined chemical suction/delivery CU16	2	51	62	16	64	4	275	1.7	100

Identifying columns are repeated. Read all column groups together for the complete row specification.

UHMWPE-lined chemical suction/delivery -CU16 / column group 2 of 2

Part code	Vacuum gauge kpa
CU16-19	-90
CU16-25	-90
CU16-51	-90

Identifying columns are repeated. Read all column groups together for the complete row specification.

CU16-series UHMWPE-lined chemical suction/delivery hose. Check chemical, concentration, temperature and cleaning agents against the selected liner and seals. Vacuum values are gauge values in k Pa; they are not absolute pressure. A standard 30 m roll and a maximum 100 m manufacturing length describe different options.

UHMWPE-lined chemical suction/delivery -CU16 - construction & conditions

Parameter	Specification
Tube	Transparent UHMWPE/light-coloured synthetic-rubber construction as described
Reinforcement	Textile fabric, steel helix, antistatic copper wire
Cover	SBR/NR abrasion/ozone/weather-resistant rubber
Temperature range c	-30 / 80
Standard roll length m	30
Compatibility	Selected chemical/concentration/temperature must be checked; source 98% concentration wording is not universal compatibility

CU16-series UHMWPE-lined chemical suction/delivery hose. Check chemical, concentration, temperature and cleaning agents against the selected liner and seals. Vacuum values are gauge values in k Pa; they are not absolute pressure. A standard 30 m roll and a maximum 100 m manufacturing length describe different options.

UHMWPE chemical suction/discharge hose, 16 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
UHMWPE chemical suction/discharge hose, 16bar series	50	63	16	64	2.25	30
UHMWPE chemical suction/discharge hose, 16bar series	63	77	16	64	2.4	30
UHMWPE chemical suction/discharge hose, 16bar series	75	92	16	64	4.5	30

UHMWPE-lined chemical suction/discharge hose. Check chemical, concentration, temperature and cleaning conditions for the selected assembly. The -30°C to 120°C range applies to this named construction; do not apply it to other UHMWPE series.

UHMWPE chemical suction/discharge hose, 16 bar series - construction & conditions

Parameter	Specification
Tube	UHMWPE
Reinforcement	Synthetic fabric and embedded wire helix
Cover	EPDM
Temperature range c	-30 / 120
Safety factor	4
Compatibility requirement	Check chemical chart and test liner under actual medium/concentration/temperature conditions

UHMWPE-lined chemical suction/discharge hose. Check chemical, concentration, temperature and cleaning conditions for the selected assembly. The -30°C to 120°C range applies to this named construction; do not apply it to other UHMWPE series.

UHMWPE chemical suction/discharge hose, 16 bar series

Parameter	Specification
Configurations	UHMWPE chemical suction/discharge hose, 16 bar series - Only the named construction; other codes or constructions require their own specification.

UHMWPE-lined chemical suction/discharge hose. Check chemical, concentration, temperature and cleaning conditions for the selected assembly. The -30°C to 120°C range applies to this named construction; do not apply it to other UHMWPE series.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

035 / PVC industrial hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Clear yarn-reinforced PVC hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Clear yarn-reinforced PVC hose	6	12	13	39	0.1	30
Clear yarn-reinforced PVC hose	8	14	12	36	0.117	30
Clear yarn-reinforced PVC hose	10	15.6	11	33	0.133	30
Clear yarn-reinforced PVC hose	12	18.6	11	33	0.2	30
Clear yarn-reinforced PVC hose	16	22.7	10	30	0.283	30
Clear yarn-reinforced PVC hose	20	27.6	10	30	0.317	30
Clear yarn-reinforced PVC hose	25	35.2	10	30	0.483	30
Clear yarn-reinforced PVC hose	32	43.8	9	27	0.733	30
Clear yarn-reinforced PVC hose	40	54.9	8	24	1.1	30
Clear yarn-reinforced PVC hose	50	67.2	7	21	1.566	30

Clear yarn-reinforced PVC hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Clear yarn-reinforced PVC hose - construction & conditions

Parameter	Specification
Tube	Clear PVC
Reinforcement	Yarn

Clear yarn-reinforced PVC hose - construction & conditions

Parameter	Specification
Cover	Clear PVC
Temperature range c	-15 / 60
Food contact status	Photo badge saysfoodgrade;no named food-contact standard,certificate,migration evidence or medium-specific approval supplied

Clear yarn-reinforced PVC hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Unreinforced PVC, thin/thick-wall family

configuration	Inside diameter (mm)
Unreinforced PVC,thin/thick-wall family	3
Unreinforced PVC,thin/thick-wall family	5
Unreinforced PVC,thin/thick-wall family	6.5
Unreinforced PVC,thin/thick-wall family	8
Unreinforced PVC,thin/thick-wall family	10
Unreinforced PVC,thin/thick-wall family	12.5
Unreinforced PVC,thin/thick-wall family	16
Unreinforced PVC,thin/thick-wall family	20
Unreinforced PVC,thin/thick-wall family	25
Unreinforced PVC,thin/thick-wall family	32
Unreinforced PVC,thin/thick-wall family	40
Unreinforced PVC,thin/thick-wall family	50

Unreinforced clear PVC bore configurations. Low-pressure service only after medium and temperature selection. Outside diameter and working pressure require configuration confirmation.

Unreinforced PVC, thin/thick-wall family - construction & conditions

Parameter	Specification
Tube	PVC
Reinforcement	None
Cover	Clear PVC
Temperature range c	0 / 60
Service	Low-pressure air/fluid transfer

Unreinforced clear PVC bore configurations. Low-pressure service only after medium and temperature selection. Outside diameter and working pressure require configuration confirmation.

Pvc industrial hose

Parameter	Specification
Material family	PVC
Available constructions	Clear unreinforced / Clear textile-reinforced / Steel-wire suction / Rigid-helix suction / High-pressure crop spray / Layflat
Temperature range c	-20 / 60
Stock configuration note	Select named construction; not everyPVC hose is food-compatible or pressure-rated alike.

Values apply only to the named construction. Dimensions and ratings apply to the named construction or exact code shown. Select pressure,temperature,medium and end fittings together for the finished assembly.

Clear yarn-reinforced PVC hose

Parameter	Specification
Configurations	Clear yarn-reinforced PVC hose / Unreinforced PVC, thin/thick-wall family - Only the named construction; other codes or constructions require their own specification.

Clear yarn-reinforced PVC hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Low-pressure service only after medium and temperature selection. Outside diameter and working pressure require configuration confirmation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

036 / Petroleum composite hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8204040 / H8204050 / H8204065 / H8204080 / H8204100 / H8204150

Petroleum composite - H8204 series

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Vacuum magnitude kpa	Mass kg m (kg/m)
H8204040	Petroleum composite - H8204 series	40	1½	38.1	50	7.0	60	2.48
H8204050	Petroleum composite - H8204 series	50	2	50.8	62	7.0	60	3.08
H8204065	Petroleum composite - H8204 series	65	2½	63.5	75	7.0	60	3.52
H8204080	Petroleum composite - H8204 series	80	3	76.2	89	7.0	60	5.34
H8204100	Petroleum composite - H8204 series	100	4	101.6	115	7.0	60	6.98
H8204150	Petroleum composite - H8204 series	150	6	152.4	172	7.0	60	14.03

Petroleum composite - H8204 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Petroleum composite - H8204 series - construction & conditions

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene fabric with Galvanized steel wire inner helix and galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10
Assembly requirement	Supplied fitted; ends crimped. Chemical/pressure duty and electrical continuity require assembly selection.

Petroleum composite - H8204 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Petroleum composite - H8204 series

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene with Galvanized steel wireinner helix/galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10

Petroleum composite - H8204 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

037 / Lightweight petroleum composite hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8206100

Lightweight petroleum composite - H8206 series

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Vacuum magnitude kpa	Mass kg m (kg/m)
H8206100	Lightweight petroleum composite - H8206 series	100	4	101.6	115	3.5	60	3.96

Lightweight petroleum composite - H8206 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Lightweight petroleum composite - H8206 series - construction & conditions

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene fabric with High-strain aluminium wire inner helix and galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10
Assembly requirement	Supplied fitted; ends crimped. Chemical/pressure duty and electrical continuity require assembly selection.

Lightweight petroleum composite - H8206 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Lightweight petroleum composite - H8206 series

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene with High-strain aluminium wireinner helix/galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10

Lightweight petroleum composite - H8206 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

038 / Bunkering composite hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8250080 / H8250100 / H8250150

Bunkering composite - H8250 series

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Vacuum magnitude kpa	Mass kg m (kg/m)
H8250080	Bunkering composite - H8250 series	80	3	76.2	99	14.0	60	6.15
H8250100	Bunkering composite - H8250 series	100	4	101.6	120	14.0	60	8.28
H8250150	Bunkering composite - H8250 series	150	6	152.4	189	14.0	60	18.27

Bunkering composite - H8250 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Bunkering composite - H8250 series - construction & conditions

Parameter	Specification
Tube	Woven polypropylene cloth plus polypropylene film
Reinforcement	Woven polypropylene fabric with 316stainless wire inner helix and galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10
Assembly requirement	Supplied fitted; ends crimped. Chemical/pressure duty and electrical continuity require assembly selection.

Bunkering composite - H8250 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Bunkering composite - H8250 series

Parameter	Specification
Tube	Woven polypropylene cloth plus polypropylene film

Bunkering composite - H8250 series

Parameter	Specification
Reinforcement	Woven polypropylene with 316stainless wireinner helix/galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10

Bunkering composite - H8250 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

039 / Chemical composite hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8269040 / H8269050 / H8269065 / H8269080 / H8269100 / H8269150

Chemical composite - H8269 series

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Vacuum magnitude kpa	Mass kg m (kg/m)
H8269040	Chemical composite - H8269 series	40	1½	38.1	51	10.0	60	2.82
H8269050	Chemical composite - H8269 series	50	2	50.8	63	10.0	60	3.51
H8269065	Chemical composite - H8269 series	65	2½	63.5	76	10.0	60	4.25
H8269080	Chemical composite - H8269 series	80	3	76.2	89	10.0	60	4.98
H8269100	Chemical composite - H8269 series	100	4	101.6	116	10.0	60	7.78
H8269150	Chemical composite - H8269 series	150	6	152.4	176	10.0	60	16.73

Chemical composite - H8269 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Chemical composite - H8269 series - construction & conditions

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene fabric with 316stainless wire inner helix and galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10
Assembly requirement	Supplied fitted; ends crimped. Chemical/pressure duty and electrical continuity require assembly selection.

Chemical composite - H8269 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Chemical composite - H8269 series

Parameter	Specification
Tube	Polypropylene film
Reinforcement	Woven polypropylene with 316stainless wireinner helix/galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10

Chemical composite - H8269 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

040 / PTFE-lined chemical composite hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Ordering references: H8270040 / H8270050 / H8270065 / H8270080 / H8270100 / H8270150

PTFE-lined chemical composite - H8270 series

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Working pressure bar	Vacuum magnitude kpa	Mass kg m (kg/m)
H8270040	PTFE-lined chemical composite - H8270 series	40	1½	38.1	52	10.0	60	2.96
H8270050	PTFE-lined chemical composite - H8270 series	50	2	50.8	64	10.0	60	3.68
H8270065	PTFE-lined chemical composite - H8270 series	65	2½	63.5	77	10.0	60	4.46
H8270080	PTFE-lined chemical composite - H8270 series	80	3	76.2	90	10.0	60	5.24
H8270100	PTFE-lined chemical composite - H8270 series	100	4	101.6	117	10.0	60	8.12
H8270150	PTFE-lined chemical composite - H8270 series	150	6	152.4	177	10.0	60	17.24

PTFE-lined chemical composite - H8270 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

PTFE-lined chemical composite - H8270 series - construction & conditions

Parameter	Specification
Tube	Double virginPTFE film plus polypropylene film
Reinforcement	Woven polypropylene fabric with 316stainless wire inner helix and galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10
Assembly requirement	Supplied fitted; ends crimped. Chemical/pressure duty and electrical continuity require assembly selection.

PTFE-lined chemical composite - H8270 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

PTFE-lined chemical composite - H8270 series

Parameter	Specification
Tube	Double virginPTFE film plus polypropylene film
Reinforcement	Woven polypropylene with 316stainless wireinner helix/galvanized outer helix
Cover	Antistatic reinforced PVC
Temperature range c	-10 / 60
Standard assembled length m	10

PTFE-lined chemical composite - H8270 series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Use the correct inner liner and wire construction for the medium. Temperature range:-10°C to 60°C for the coded configurations shown. Assembled length and end fittings are selected together; the standard assembled length is 10 m.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

041 / Mining air and water hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Mining air water hose

Parameter	Specification
Reinforcement	Synthetic yarn cords
Temperature range c	-20 / 60
Bore range mm	10 / 50
Standard roll length m	30

Mining air water hose

Parameter	Specification
Claimed standard	SANS1086/2007; verify supplied hose test/certificate and colour construction
Green orange properties	says fire-retardant/self-extinguishing; this does not establish automatic fire-suppression compatibility

Values apply only to the named construction. Dimensions and ratings apply to the named construction or exact code shown. Select pressure,temperature,medium and end fittings together for the finished assembly.

Mining air water hose

Parameter	Specification
Family description	Air/water service family

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

042 / Rock-drill hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Red PVC rock-drill hose

Configuration	Id mm	Reinforcement	Cover	Temperature range c (°C)	Roll length options m	pressure description
RedPVC rock-drill hose	12	Woven polyester	UV-resistantPVC	-20 / 60	30 / 50	From3500kPa; no size-specific pressure assignment
RedPVC rock-drill hose	20	Woven polyester	UV-resistantPVC	-20 / 60	30 / 50	From3500kPa; no size-specific pressure assignment
RedPVC rock-drill hose	25	Woven polyester	UV-resistantPVC	-20 / 60	30 / 50	From3500kPa; no size-specific pressure assignment

Red PVC rock-drill hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Choose a size-specific pressure rating; a range starting pressure is not an every-size rating.

Red PVC rock-drill hose

Parameter	Specification
Reinforcement	Woven polyester
Cover	UV-resistantPVC
Temperature range c	-20 / 60
Roll length options m	30 / 50
Pressure description	From3500kPa; no size-specific pressure assignment

Red PVC rock-drill hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Choose a size-specific pressure rating; a range starting pressure is not an every-size rating.

Rock drill hose

Parameter	Specification
Family description	Rock-drill air-supply family

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

043 / Antistatic mining hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Antistatic explosives-loading PVC hose

Configuration	Id mm	Material	claimed resistance standard	Temperature range c (°C)	Standard roll length m
Antistatic explosives-loadingPVC hose	16	Antistatic blackPVC	BS2050/1978	-20 / 60	30
Antistatic explosives-loadingPVC hose	20	Antistatic blackPVC	BS2050/1978	-20 / 60	30

Antistatic explosives-loading PVC hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly.

Antistatic explosives-loading PVC hose

Parameter	Specification
Material	Antistatic blackPVC
Claimed resistance standard	BS2050/1978
Temperature range c	-20 / 60
Standard roll length m	30

Antistatic explosives-loading PVC hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly.

Antistatic mining hose

Parameter	Specification
Family description	identifies antistatic family; no numerical resistance or test details

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

044 / Clear reinforced industrial hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Clear reinforced PVC hose - manufacturing range

Configuration	Material	Reinforcement	id min mm	id max mm	Temperature min c (°C)	Temperature max c (°C)	standard roll length m
Clear reinforcedPVC hose	ClearPVC	Synthetic yarn	6	50	-20	60	30

Clear reinforced PVC hose - manufacturing range Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. This is a bore envelope; intermediate sizes, pressure ratings and food-contact suitability are not inferred.

Clear reinforced PVC range

Configuration	id min mm	id max mm	pressure envelope min bar	pressure envelope max bar	Standard roll length m
Clear reinforcedPVC hose	3	50	7	17	30

Clear reinforced PVC hose range. The 7-17 bar pressure envelope depends on the selected bore and construction. Do not assign 17 bar to every size; confirm its size-specific duty.

Clear reinforced PVC hose - manufacturing range

Parameter	Specification
Material	ClearPVC
Reinforcement	Synthetic yarn

Clear reinforced PVC hose - manufacturing range Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. This is a bore envelope; intermediate sizes, pressure ratings and food-contact suitability are not inferred.

Clear reinforced hose

Parameter	Specification
Family description	classifies non-toxic reinforced hose; no specific food-contact standard

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

045 / Clear unreinforced industrial hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Clear unreinforced PVC hose - manufacturing range

Configuration	Material	Reinforcement	id min mm	id max mm	Temperature min c (°C)	Temperature max c (°C)	standard roll length m
Clear unreinforcedPVC hose	ClearPVC	None	6	50	-20	60	30

Clear unreinforced PVC hose - manufacturing range Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. This is a bore envelope; intermediate sizes, pressure ratings and food-contact suitability are not inferred.

Clear PVC thin/thick-wall ranges

Configuration	Family reference	Wall construction	id min mm	id max mm	Standard roll length m
ClearPVC thin wall	6001	Thin wall	3	50	30
ClearPVC thick wall	6002	Thick wall	3	50	30

Clear PVC in thin-wall 6001 and thick-wall 6002 ranges. 6001 and 6002 identify ranges; they are not complete size-specific ordering codes. Use for selected low-pressure duty; no numeric pressure rating is established here.

Clear unreinforced PVC hose - manufacturing range

Parameter	Specification
Material	ClearPVC
Reinforcement	None

Clear unreinforced PVC hose - manufacturing range Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. This is a bore envelope; intermediate sizes, pressure ratings and food-contact suitability are not inferred.

Clear wall hose

Parameter	Specification
Family description	classifies non-toxic clear-wall hose; no specific food-contact standard

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

046 / Automotive heater hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Rubber automotive heater/water hose -5 bar range

Configuration	Id mm	Working pressure bar	max temperature c (°C)	max length m
Rubber automotive heater/water hose -5bar range	12	5	120	15
Rubber automotive heater/water hose -5bar range	16	5	120	15
Rubber automotive heater/water hose -5bar range	20	5	120	15

Heat-resistant rubber automotive heater/water hose. 5 bar is the range working-pressure figure; 120°C is the heat-resistance limit. Select the pressure-temperature combination and continuous/intermittent duty before assembly.

Rubber automotive heater/water hose -5 bar range

Parameter	Specification
Application	Automotive heater and water overflow lines
Material	Heat-resistant rubber; compound not disclosed

Heat-resistant rubber automotive heater/water hose. 5 bar is the range working-pressure figure; 120°C is the heat-resistance limit. Select the pressure-temperature combination and continuous/intermittent duty before assembly.

Automotive heater hose

Parameter	Specification
Family description	Engine heater/coolant service family

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

047 / Reinforced automotive fuel hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Reinforced automotive rubber fuel hose -12 bar named range

Configuration	Id mm	Working pressure bar	Standard length m
Reinforced rubber automotive fuel hose -12bar series	3	12	10
Reinforced rubber automotive fuel hose -12bar series	5	12	10
Reinforced rubber automotive fuel hose -12bar series	6	12	10
Reinforced rubber automotive fuel hose -12bar series	8	12	10
Reinforced rubber automotive fuel hose -12bar series	10	12	10
Reinforced rubber automotive fuel hose -12bar series	12	12	10

Reinforced rubber automotive fuel hose. The configurations shown use a 12 bar working-pressure range. Confirm fuel formulation, temperature and reinforcement details for the selected assembly.

Reinforced automotive rubber fuel hose -12 bar named range

Parameter	Specification
Application	Automotive fuel transfer
Construction	Reinforced rubber hose; polymer and reinforcement grade not disclosed

Reinforced rubber automotive fuel hose. The configurations shown use a 12 bar working-pressure range. Confirm fuel formulation, temperature and reinforcement details for the selected assembly.

Reinforced automotive fuel hose

Parameter	Specification
Family description	Automotive fuel-service family

Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

048 / Braided automotive fuel hose

Hose selection for the conveyed medium, pressure, temperature and installation requirements.

Application: Application-led selection for the specified operating conditions.

Braided automotive fuel hose

Parameter	Specification
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Family description	Automotive fuel-service family
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Configuration selected to match the application. Specify medium,bore,length,pressure or vacuum,temperature and end connections for technical selection. No numeric engineering rating is established for an unspecified construction.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

049 / Mining & Heavy Duty Air Hose

Industrial and mining compressed-air service.

Ordering references: HLFHDYLLW 020X / HLFHDYLLW 025X / HLFHDYLLW 050X

Yellow rubber compressor air layflat -exact coded variants

Part code	Configuration	Nominal bore mm	Size inch	Id mm	Od mm	Wall thickness mm	Working pressure bar	Burst pressure bar	Mass kg m (kg/m)
HLFHDYLLW 020X	Yellow rubber compressor air layflat	20	¾	19	24	2.5	24.0	80.0	0.192
HLFHDYLLW 025X	Yellow rubber compressor air layflat	25	1	25	30	2.5	24.0	70.0	0.24
HLFHDYLLW 050X	Yellow rubber compressor air layflat	50	2	51	56	3	20.0	70.0	0.46

Yellow rubber compressor air layflat -exact coded variants Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Colour identifies a construction, not a common rating; use the pressure for the exact code. Layflat delivery hose must not be selected for suction duty. This is a compressor-air construction; do not substitute a water-only layflat hose.

Rubber air hose, oil-mist-resistant, 12 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Rubber air hose,oil-mist-resistant,12bar series	6	13	12	48	0.152	100
Rubber air hose,oil-mist-resistant,12bar series	8	15	12	48	0.19	100
Rubber air hose,oil-mist-resistant,12bar series	10	17	12	48	0.224	100
Rubber air hose,oil-mist-resistant,12bar series	12	22	12	48	0.375	30 / 60
Rubber air hose,oil-mist-resistant,12bar series	16	25	12	48	0.428	30
Rubber air hose,oil-mist-resistant,12bar series	20	29	12	48	0.572	30 / 60
Rubber air hose,oil-mist-resistant,12bar series	25	36	12	48	0.693	30 / 60
Rubber air hose,oil-mist-resistant,12bar series	32	40	10	40	0.752	30
Rubber air hose,oil-mist-resistant,12bar series	38	45	10	40	0.778	30

Rubber air hose, oil-mist-resistant, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber air hose, oil-mist-resistant, 12 bar series - construction & conditions

Parameter	Specification
Tube	Oil-mist-resistant synthetic rubber
Reinforcement	Synthetic textile yarn
Cover	EPDM synthetic rubber
Temperature range c	-25 / 70
Safety factor	4

Rubber air hose, oil-mist-resistant, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber mining air/water hose, 12 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Rubber mining air/water hose,12bar series	12	20.5	12	48	0.309	60
Rubber mining air/water hose,12bar series	20	29	12	48	0.52	30 / 60
Rubber mining air/water hose,12bar series	25	36	12	48	0.724	30 / 60
Rubber mining air/water hose,12bar series	32	41	12	48	0.791	30
Rubber mining air/water hose,12bar series	38	47	12	48	0.724	30

Rubber mining air/water hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber mining air/water hose, 12 bar series - construction & conditions

Parameter	Specification
Tube	NR/SBR
Reinforcement	Synthetic textile yarn
Cover	NBR/SBR/EPDM
Temperature range c	-25 / 70
Safety factor	4

Rubber mining air/water hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber mining air/water hose, 20 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Rubber mining air/water hose,20bar series	12	20.5	20	60	0.366	30

Rubber mining air/water hose, 20 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Rubber mining air/water hose, 20bar series	20	29	20	60	0.566	30
Rubber mining air/water hose, 20bar series	25	36	20	60	0.82	30

Rubber mining air/water hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Rubber mining air/water hose, 20 bar series - construction & conditions

Parameter	Specification
Tube	NBR/SBR
Reinforcement	Synthetic textile yarn
Cover	NBR/SBR/EPDM
Temperature range c	-25 / 70
Safety factor	3

Rubber mining air/water hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

PVC mining air/water hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
PVC mining air/water hose	10	16	17	68	0.21	30
PVC mining air/water hose	12	20	17	68	0.276	30
PVC mining air/water hose	20	28	15	60	0.434	30
PVC mining air/water hose	25	35	14	56	0.608	30
PVC mining air/water hose	32	43	10	40	0.901	30
PVC mining air/water hose	50	66	8	32	1.926	50 / 100

PVC mining air/water hose configurations. Working and burst pressures are distinct values for each bore. Do not infer a safety factor from a general range description.

PVC mining air/water hose - construction & conditions

Parameter	Specification
Tube	Cut/oil/abrasion-resistant PVC
Reinforcement	Polyester yarn
Temperature range c	0 / 60
Safety factor	3

PVC mining air/water hose configurations. Working and burst pressures are distinct values for each bore. Do not infer a safety factor from a general range description.

Rubber air hose, oil-mist-resistant, 12 bar series

Parameter	Specification
Configurations	Rubber air hose, oil-mist-resistant, 12 bar series / Rubber mining air/water hose, 12 bar series / Rubber mining air/water hose, 20 bar series / PVC mining air/water hose - Only the named construction; other codes or constructions require their own specification.

Rubber air hose, oil-mist-resistant, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Working and burst pressures are distinct values for each bore. Do not infer a safety factor from a general range description.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

050 / Water Suction & Delivery Hose

Dewatering, water transfer and general pumping.

Wire-helix rubber water suction/delivery hose, 12 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Wire-helix rubber water suction/delivery hose, 12bar series	32	43	12	36	0.874	30
Wire-helix rubber water suction/delivery hose, 12bar series	40	50	12	36	1.488	30
Wire-helix rubber water suction/delivery hose, 12bar series	50	63	12	36	1.595	30

Wire-helix rubber water suction/delivery hose, 12 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Wire-helix rubber water suction/delivery hose, 12bar series	75	89	12	36	2.857	30
Wire-helix rubber water suction/delivery hose, 12bar series	100	118	12	36	4.382	30
Wire-helix rubber water suction/delivery hose, 12bar series	150	174	12	36	5.97	30

Wire-helix rubber water suction/delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Wire-helix rubber water suction/delivery hose, 12 bar series - construction & conditions

Parameter	Specification
Tube	Synthetic/natural rubber
Reinforcement	Synthetic fabric and embedded wire helix
Cover	EPDM/SBR/NR
Temperature range c	-20 / 80
Safety factor	3
Vacuum rating	Not stated

Wire-helix rubber water suction/delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Wire-helix rubber water suction/delivery hose, 12 bar series

Parameter	Specification
Configurations	Wire-helix rubber water suction/delivery hose, 12 bar series - Only the named construction; other codes or constructions require their own specification.

Wire-helix rubber water suction/delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

051 / Fuel Delivery & Dispensing Hose

Vehicle, plant and bulk fuel transfer applications.

NBR oil/fuel suction-delivery hose, 12 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
NBR oil/fuel suction-delivery hose,12bar series	25	36	12	36	0.806	30
NBR oil/fuel suction-delivery hose,12bar series	32	43	12	36	1.026	30
NBR oil/fuel suction-delivery hose,12bar series	38	50	12	36	1.315	30
NBR oil/fuel suction-delivery hose,12bar series	50	63	12	36	1.496	30
NBR oil/fuel suction-delivery hose,12bar series	63	78	12	36	1.86	30
NBR oil/fuel suction-delivery hose,12bar series	76	91	12	36	3.287	30
NBR oil/fuel suction-delivery hose,12bar series	100	118	12	36	4.946	30
NBR oil/fuel suction-delivery hose,12bar series	150	170	12	36	9.5	20

NBR oil/fuel suction-delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

NBR oil/fuel suction-delivery hose, 12 bar series - construction & conditions

Parameter	Specification
Tube	NBR

NBR oil/fuel suction-delivery hose, 12 bar series - construction & conditions

Parameter	Specification
Reinforcement	Synthetic fabric and embedded steel helix
Cover	NBR/SBR
Temperature range c	-20 / 80
Safety factor	3
Vacuum rating	Not stated
Material compatibility	names fuel,oil anddiesel; exact product compatibility required

NBR oil/fuel suction-delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

NBR fuel/oil hose, 20 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
NBR fuel/oil hose,20bar series	5	12	20	60	0.128	50
NBR fuel/oil hose,20bar series	6	13.3	20	60	0.158	50
NBR fuel/oil hose,20bar series	8	15	20	60	0.184	50
NBR fuel/oil hose,20bar series	10	16.5	20	60	0.202	50
NBR fuel/oil hose,20bar series	12	20	20	60	0.265	50
NBR fuel/oil hose,20bar series	16	24	20	60	0.354	50
NBR fuel/oil hose,20bar series	20	29	20	60	0.525	50

NBR fuel/oil hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

NBR fuel/oil hose, 20 bar series - construction & conditions

Parameter	Specification
Tube	NBR
Reinforcement	Synthetic textile yarn

NBR fuel/oil hose, 20 bar series - construction & conditions

Parameter	Specification
Cover	NBR/SBR
Temperature range c	-40 / 100
Safety factor	3

NBR fuel/oil hose, 20 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

NBR oil/fuel suction-delivery hose, 12 bar series

Parameter	Specification
Configurations	NBR oil/fuel suction-delivery hose, 12 bar series / NBR fuel/oil hose, 20 bar series - Only the named construction; other codes or constructions require their own specification.

NBR oil/fuel suction-delivery hose, 12 bar series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

052 / Hot Water & Washdown Hose

Industrial washdown and hot water transfer.

Ordering references: T-350 LL

T-350 LL named series specification

Size reference	Named series	Id min mm	Id max mm	Steam working pressure bar	Hot water working pressure bar	Temperature min c	Temperature max c	Standard length m
T-350 LL	T-350 LL	13	25	7	15	-40	165	61

T-350 LL has separate steam and hot-water service ratings. Steam working pressure: 7 bar; hot-water working pressure: 15 bar. The temperature range is -40°C to 165°C; 15 bar at 165°C is not established as a simultaneous hot-water duty. Steam and water safety factors differ; select the correct service regime.

T-350 LL named series specification - construction & conditions

Parameter	Specification
Tube	White food-grade EPDM as described
Reinforcement	Textile cords
Cover	White EPDM
Service modes	Saturated steam and hot-water delivery
Steam safety factor	10
Water safety factor	4

T-350 LL has separate steam and hot-water service ratings. Steam working pressure: 7 bar; hot-water working pressure: 15 bar. The temperature range is -40°C to 165°C; 15 bar at 165°C is not established as a simultaneous hot-water duty. Steam and water safety factors differ; select the correct service regime.

T-350 LL named series specification

Parameter	Specification
Tube	White food-grade EPDM as described - Only the named construction; other codes or constructions require their own specification.
Reinforcement	Textile cords - Only the named construction; other codes or constructions require their own specification.
Cover	White EPDM - Only the named construction; other codes or constructions require their own specification.
Service modes	Saturated steam and hot-water delivery - Only the named construction; other codes or constructions require their own specification.
Steam safety factor	10 - Only the named construction; other codes or constructions require their own specification.
Water safety factor	4 - Only the named construction; other codes or constructions require their own specification.

T-350 LL has separate steam and hot-water service ratings. Steam working pressure: 7 bar; hot-water working pressure: 15 bar. The temperature range is -40°C to 165°C; 15 bar at 165°C is not established as a simultaneous hot-water duty. Steam and water safety factors differ; select the correct service regime.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

053 / Food & Beverage Hose

Food-contact duty subject to the required declaration and medium.

Ordering references: T-452 LH

Non-toxic steel-wire-reinforced PVC liquid-transfer hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	20	26	5	15	0.35	30
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	25	31	5	15	0.533	30
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	32	39	4	12	0.65	30
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	38	47	4	12	0.8	30
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	50	59	4	12	1.25	30
Non-toxic steel-wire-reinforced PVC liquid-transfer hose	75	84	3	9	1.75	30

Steel-wire-reinforced PVC liquid-transfer hose. Check the exact food/chemical medium and cleaning conditions for the selected assembly. Food-contact suitability requires the relevant current documentation.

Non-toxic steel-wire-reinforced PVC liquid-transfer hose - construction & conditions

Parameter	Specification
Tube	Transparent plasticised PVC
Reinforcement	Steel wire
Cover	Transparent
Temperature range c	-5 / 60
Service	Liquid food and chemical suction/delivery as described by supplier
Food contact status	No named food-contact standard or specific dairy/CIP compatibility certificate supplied

Steel-wire-reinforced PVC liquid-transfer hose. Check the exact food/chemical medium and cleaning conditions for the selected assembly. Food-contact suitability requires the relevant current documentation.

T-452 LH named series specification

Size reference	Named series	Id min mm	Id max mm	Working pressure bar	Temperature min c	Temperature max c	Standard length options m	Safety factor
T-452 LH	T-452 LH	13	76	10	-30	80	20 / 30 / 60	3

T-452 LH liquid-food and beverage hose. Confirm alcohol content and cleaning chemistry for the selected liner. No 50% ABV suitability is established. A bore range does not identify every orderable size.

T-452 LH named series specification - construction & conditions

Parameter	Specification
Tube	White NR
Reinforcement	Textile cords plus embedded steel helix
Cover	Red SBR/EPDM
Application	Liquid-food/beverage transfer; text includes suction/delivery

T-452 LH liquid-food and beverage hose. Confirm alcohol content and cleaning chemistry for the selected liner. No 50% ABV suitability is established. A bore range does not identify every orderable size.

Non-toxic steel-wire-reinforced PVC liquid-transfer hose

Parameter	Specification
Configurations	Non-toxic steel-wire-reinforced PVC liquid-transfer hose - Only the named construction; other codes or constructions require their own specification.

Steel-wire-reinforced PVC liquid-transfer hose. Check the exact food/chemical medium and cleaning conditions for the selected assembly. Food-contact suitability requires the relevant current documentation.

T-452 LH named series specification

Parameter	Specification
Tube	White NR - Only the named construction; other codes or constructions require their own specification.
Reinforcement	Textile cords plus embedded steel helix - Only the named construction; other codes or constructions require their own specification.
Cover	Red SBR/EPDM - Only the named construction; other codes or constructions require their own specification.
Application	Liquid-food/beverage transfer; text includes suction/delivery - Only the named construction; other codes or constructions require their own specification.

T-452 LH liquid-food and beverage hose. Confirm alcohol content and cleaning chemistry for the selected liner. No 50% ABV suitability is established. A bore range does not identify every orderable size.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

054 / Dairy & Hygienic Transfer Hose

Hygienic transfer with suitable end connections and cleaning requirements.

Ordering references: T-412 LH

T-412 LH named series specification

Size reference	Named series	Id min mm	Id max mm	Working pressure bar	Temperature min c	Temperature max c	Standard length m	Safety factor
T-412 LH	T-412 LH	38	76	10	-40	80	20	3

T-412 LH dairy suction/delivery hose. Validate milk/food compatibility, cleaning chemistry, temperature and hygiene requirements for the selected assembly. A bore range does not identify every orderable size.

T-412 LH named series specification - construction & conditions

Parameter	Specification
Tube	White NR
Reinforcement	Textile cords plus embedded steel helix
Cover	Blue NR/EPDM
Application	Milk tanker/liquid-food suction and delivery

T-412 LH dairy suction/delivery hose. Validate milk/food compatibility, cleaning chemistry, temperature and hygiene requirements for the selected assembly. A bore range does not identify every orderable size.

T-412 LH named series specification

Parameter	Specification
Tube	White NR - Only the named construction; other codes or constructions require their own specification.
Reinforcement	Textile cords plus embedded steel helix - Only the named construction; other codes or constructions require their own specification.
Cover	Blue NR/EPDM - Only the named construction; other codes or constructions require their own specification.

T-412 LH named series specification

Parameter	Specification
Application	Milk tanker/liquid-food suction and delivery - Only the named construction; other codes or constructions require their own specification.

T-412 LH dairy suction/delivery hose. Validate milk/food compatibility, cleaning chemistry, temperature and hygiene requirements for the selected assembly. A bore range does not identify every orderable size.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

055 / Abrasive Material Handling Hose

Transfer of abrasive dry bulk material.

Ordering references: 80036 100 / 80036 125 / 80036 150 / 80036 178 / 80036 200 / 80036 250 / 80036 300 / 80036 350 / 80036 400 / 80036 450 / 80036 500 / 80036 600

Wet-abrasion slurry hose - 80036 liner series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Liner thickness mm	Min bend radius mm	Mass kg m (kg/m)	Configuration
80036 100	100	4	101.6	137	6	914	8.1	Wet-abrasion slurry hose - 80036 liner series
80036 125	125	5	127	162	6	1143	9.9	Wet-abrasion slurry hose - 80036 liner series
80036 150	150	6	152.4	189	6	1372	12.1	Wet-abrasion slurry hose - 80036 liner series
80036 178	178	7	178	215	6	1602	13.9	Wet-abrasion slurry hose - 80036 liner series
80036 200	200	8	203.2	240	6	1829	15.7	Wet-abrasion slurry hose - 80036 liner series
80036 250	250	10	254	287	6	2286	18	Wet-abrasion slurry hose - 80036 liner series
80036 300	300	12	304.8	337	6	2743	21.4	Wet-abrasion slurry hose - 80036 liner series

Wet-abrasion slurry hose - 80036 liner series

Part code	Nominal bore mm	Size inch	Id mm	Od mm	Liner thickness mm	Min bend radius mm	Mass kg m (kg/m)	Configuration
80036 350	350	14	355.6	396	6	3200	29.8	Wet-abrasion slurry hose - 80036 liner series
80036 400	400	16	406.4	453	6	3658	41.3	Wet-abrasion slurry hose - 80036 liner series
80036 450	450	18	457.2	505	6	4115	45.5	Wet-abrasion slurry hose - 80036 liner series
80036 500	500	20	508	556	6	4572	53.3	Wet-abrasion slurry hose - 80036 liner series
80036 600	600	24	609.6	654	6	5486	75.6	Wet-abrasion slurry hose - 80036 liner series

Wet-abrasion slurry hose - 80036 liner series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Wet-abrasion slurry hose - 80036 liner series

Parameter	Specification
Application	Configuration-specific abrasive slurry / material transfer
Tube options	Pre-cured36ShoreA wet-abrasion rubber;6or10mm options
Reinforcement	Polyester cord plus high-tensile wire helix
Cover	NR/SBR abrasion- and UV-resistant rubber
Temperature range c	-20 / 80
Custom bore envelope mm	100 / 1200
Max build length m	20
Flange drilling options	ASME B16.5 / BS4504 / SANS1123 / AS2129 / EN1092
End options	Plain / Cuffed / Fixed/floating flange / D-ring / Grooved / custom as appropriate
Manufacturing mode	Built to specification; ranges are design envelopes, not every-row ratings
Custom build pressure envelope kpa	-90 / 6000

Wet-abrasion slurry hose - 80036 liner series Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Abrasive material

Parameter	Specification
Manufacturing mode	Project-engineered hand-built slurry/elephant hose
Verified applications	Mining slurry/abrasives / Agricultural water / Concrete placement
End options	Built-in flanges / Open ends with clamp-on fittings
Design definition	Diameter / Length / Pressure/vacuum / Flange type/drilling / Liner material/thickness
Numeric limits	Defined by approved project specification; no public universal diameter/pressure envelope stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

custom hand-built rubber hose manufacturing envelope

Parameter	Specification
Configurations	custom hand-built rubber hose manufacturing envelope - Only the named construction; other codes or constructions require their own specification.

custom hand-built rubber hose manufacturing envelope Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

056 / Slurry & Sand Delivery Hose

Abrasion-led slurry and sand transport.

Slurry

Parameter	Specification
Manufacturing mode	Project-engineered hand-built slurry/elephant hose
Verified applications	Mining slurry/abrasives / Agricultural water / Concrete placement

Slurry

Parameter	Specification
End options	Built-in flanges / Open ends with clamp-on fittings
Design definition	Diameter / Length / Pressure/vacuum / Flange type/drilling / Liner material/thickness
Numeric limits	Defined by approved project specification; no public universal diameter/pressure envelope stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

Black NBR abrasion-resistant layflat hose

Parameter	Specification
Configurations	Black NBR abrasion-resistant layflat hose / custom hand-built rubber hose manufacturing envelope - Only the named construction; other codes or constructions require their own specification.

Black NBR abrasion-resistant layflat hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

057 / Hand-Built Reducers & Bends

Configured transitions and bends for material-handling systems.

custom hand-built rubber hose manufacturing envelope

configuration	Minimum bore (mm)	Maximum bore (mm)	Minimum slurry liner (mm)	Maximum slurry liner (mm)
BSS custom hand-built rubber hose manufacturing envelope	25	1000	6	24

custom hand-built rubber hose manufacturing envelope Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range.

custom hand-built rubber hose manufacturing envelope - construction & conditions

Parameter	Specification
Service	Custom abrasive-media hose; project-specified design
Numeric limits	Working pressure,vacuum,temperature,bend radius and mass depend on ordered construction
Wall options	Hard-wall suction /soft-wall delivery
Geometry options	Straight hose and conical reducers

custom hand-built rubber hose manufacturing envelope Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range.

Reducers bends

Parameter	Specification
Manufacturing mode	Project-engineered hand-built slurry/elephant hose
Verified applications	Mining slurry/abrasives / Agricultural water / Concrete placement
End options	Built-in flanges / Open ends with clamp-on fittings
Design definition	Diameter / Length / Pressure/vacuum / Flange type/drilling / Liner material/thickness
Numeric limits	Defined by approved project specification; no public universal diameter/pressure envelope stated

Custom engineered construction for the selected application. Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range. Define bore,length,medium,temperature,working pressure,vacuum,liner and end connections in the quotation.

custom hand-built rubber hose manufacturing envelope

Parameter	Specification
Configurations	custom hand-built rubber hose manufacturing envelope - Only the named construction; other codes or constructions require their own specification.

custom hand-built rubber hose manufacturing envelope Custom dimensions and operating limits are set by the approved design. A manufacturing range is not a rating for every hose in that range.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

058 / Cement & Bulk Handling Hose

Dry bulk and cement handling applications.

EPDM hot-air blower hose, 10 bar series

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
EPDM hot-air blower hose,10bar series	63	78.7	10	30	1.63	30

Heat-resistant hot-air blower hose. This is a hot-air construction for dry-bulk unloading. Its rating does not establish hot-water duty or a direct cement-conveying rating.

EPDM hot-air blower hose, 10 bar series - construction & conditions

Parameter	Specification
Tube	Heat-resistant EPDM
Reinforcement	Synthetic fabric
Cover	Heat/abrasion-resistant synthetic rubber
Temperature range c	-20 / 180
Safety factor	3
Service	Hot air for dry-bulk unloading;not a hot-water or direct cement-conveying rating

Heat-resistant hot-air blower hose. This is a hot-air construction for dry-bulk unloading. Its rating does not establish hot-water duty or a direct cement-conveying rating.

Abrasion-resistant cement delivery hose, table configuration

configuration	Inside diameter (mm)	Outside diameter (mm)	Mass (kg/m)	Roll length (m)
Abrasion-resistant cement delivery hose,table configuration	100	122	3.759	30

Abrasion-resistant cement-delivery hose configuration. Confirm pressure, aggregate compatibility and pulsation duty for the selected assembly. The dimensions shown do not establish an approved working-pressure duty.

Abrasion-resistant cement delivery hose, table configuration - construction & conditions

Parameter	Specification
Tube	Abrasion-resistant synthetic rubber

Abrasion-resistant cement delivery hose, table configuration - construction & conditions

Parameter	Specification
Reinforcement	Synthetic fabric
Cover	Abrasion/weather-resistant synthetic rubber
Temperature range c	-20 / 80
Safety factor	3

Abrasion-resistant cement-delivery hose configuration. Confirm pressure, aggregate compatibility and pulsation duty for the selected assembly. The dimensions shown do not establish an approved working-pressure duty.

EPDM hot-air blower hose, 10 bar series

Parameter	Specification
Configurations	EPDM hot-air blower hose, 10 bar series / Abrasion-resistant cement delivery hose, table configuration - Only the named construction; other codes or constructions require their own specification.

Heat-resistant hot-air blower hose. This is a hot-air construction for dry-bulk unloading. Its rating does not establish hot-water duty or a direct cement-conveying rating. Confirm pressure, aggregate compatibility and pulsation duty for the selected assembly. The dimensions shown do not establish an approved working-pressure duty.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

059 / Sandblast Hose

Abrasive blasting applications with application-matched couplings.

Sand and shotblast rubber hose - configurations

Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Minimum bend radius (mm)	Mass (kg/m)	Standard roll length (m)
32.0	50.0	12.0	36.0	320.0	1.51	30
38.0	60.0	12.0	36.0	400.0	1.53	30

Rubber sand/shotblast hose configurations. The 32 mm and 38 mm configurations have 12 bar working pressure and 36 bar burst pressure. Select abrasive service and electrical continuity requirements for the assembly.

[Sand and shotblast rubber hose - configurations - construction & conditions](#)

Parameter	Specification
Tube	Black SBR/NR rubber
Reinforcement	High-tensile synthetic textile
Cover	SBR/NR rubber
Temperature range c	-20 / 80
Application	Sand/shotblast pressure conveyance of abrasive particles
Configuration	Sand/shotblast rubber hose
Temperature min c	-20
Temperature max c	80

Rubber sand/shotblast hose configurations. The 32 mm and 38 mm configurations have 12 bar working pressure and 36 bar burst pressure. Select abrasive service and electrical continuity requirements for the assembly.

[Sand and shotblast rubber hose - configurations](#)

Parameter	Specification
Tube	Black SBR/NR rubber
Reinforcement	High-tensile synthetic textile
Cover	SBR/NR rubber
Temperature range c	-20 / 80
Application	Sand/shotblast pressure conveyance of abrasive particles

Rubber sand/shotblast hose configurations. The 32 mm and 38 mm configurations have 12 bar working pressure and 36 bar burst pressure. Select abrasive service and electrical continuity requirements for the assembly.

[Application & quotation checklist](#)

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

060 / Silicone Hose & Elbows

Temperature-led coolant and compatible transfer applications.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

061 / Ducting & Ventilation Hose

Air movement, dust extraction and ventilation.

Antistatic EVA vacuum hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Mass (kg/m)	Roll length (m)
Antistatic EVA vacuum hose	25	33	0.117	20
Antistatic EVA vacuum hose	32	41	0.133	20
Antistatic EVA vacuum hose	35	43	0.133	20
Antistatic EVA vacuum hose	38	46	0.167	20
Antistatic EVA vacuum hose	50	61	0.25	20

Antistatic EVA vacuum hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly.

Antistatic EVA vacuum hose - construction & conditions

Parameter	Specification
Tube	Antistatic/conductive EVA as described
Cover	Weather-resistant PVC
Temperature range c	-20 / 40
Service	Planter-machine vacuum duty
Electrical test standard	Not stated

Antistatic EVA vacuum hose - construction & conditions

Parameter	Specification
Vacuum rating	Not stated

Antistatic EVA vacuum hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly.

Antistatic EVA vacuum hose

Parameter	Specification
Configurations	Antistatic EVA vacuum hose / PU spiral-reinforced antistatic ducting - Only the named construction; other codes or constructions require their own specification.

Antistatic EVA vacuum hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly. Vacuum is expressed in metres of water, notbar. Select static-dissipation requirements and dust-service suitability for the assembly. Confirm large-bore mass before load calculations.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

062 / PU & Antistatic Ducting

Abrasive extraction and dust-handling applications.

PU spiral-reinforced antistatic ducting

configuration	Inside diameter (mm)	Vacuum head (mH2O)	Mass (kg/m)	Roll length (m)	Mass status
PU spiral-reinforced antistatic ducting	38	3	0.224	10	Confirm
PU spiral-reinforced antistatic ducting	50	2.8	0.37	10	Confirm
PU spiral-reinforced antistatic ducting	63	2.5	0.485	10	Confirm
PU spiral-reinforced antistatic ducting	75	2	0.605	10	Confirm
PU spiral-reinforced antistatic ducting	100	1.5	0.786	10	Confirm
PU spiral-reinforced antistatic ducting	125	1.2	0.96	10	Confirm

PU spiral-reinforced antistatic ducting

configuration	Inside diameter (mm)	Vacuum head (mH2O)	Mass (kg/m)	Roll length (m)	Mass status
PU spiral-reinforced antistatic ducting	140	1	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence
PU spiral-reinforced antistatic ducting	150	1	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence
PU spiral-reinforced antistatic ducting	178	0.9	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence
PU spiral-reinforced antistatic ducting	200	0.9	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence
PU spiral-reinforced antistatic ducting	250	0.8	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence
PU spiral-reinforced antistatic ducting	300	0.5	Confirm	10	Quarantined: printed decimal implausible relative to diameter sequence

Spiral-reinforced PU ducting for air, dust and light abrasive extraction. Vacuum is expressed in metres of water, notbar. Select static-dissipation requirements and dust-service suitability for the assembly. Confirm large-bore mass before load calculations.

PU spiral-reinforced antistatic ducting - construction & conditions

Parameter	Specification
Tube	Polyurethane
Reinforcement	Copper-plated steel spiral
Surface	Smooth bore, corrugated exterior
Temperature range c	-30 / 100
Service	Air, dust, fumes, textile fibres, sawdust, wood shavings and light abrasive matter
Electrical test standard	Not supplied

Spiral-reinforced PU ducting for air, dust and light abrasive extraction. Vacuum is expressed in metres of water, notbar. Select static-dissipation requirements and dust-service suitability for the assembly. Confirm large-bore mass before load calculations.

PU spiral-reinforced antistatic ducting

Parameter	Specification
Configurations	PU spiral-reinforced antistatic ducting - Only the named construction; other codes or constructions require their own specification.

Spiral-reinforced PU ducting for air, dust and light abrasive extraction. Vacuum is expressed in metres of water, notbar. Select static-dissipation requirements and dust-service suitability for the assembly. Confirm large-bore mass before load calculations.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

063 / PVC Suction Hose

Water and compatible industrial suction service.

Yellow PVC helix suction/delivery hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Yellow PVC helix suction/delivery hose	25	32	8	24	0.35	30
Yellow PVC helix suction/delivery hose	32	41	7	21	0.44	30
Yellow PVC helix suction/delivery hose	38	47	6	18	0.51	30
Yellow PVC helix suction/delivery hose	50	58	5	15	0.76	30
Yellow PVC helix suction/delivery hose	75	91	4	12	1.33	30
Yellow PVC helix suction/delivery hose	100	120	3	12	2.19	30
Yellow PVC helix suction/delivery hose	150	170	2	10	2.89	30

Yellow PVC helix suction/delivery hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Yellow PVC helix suction/delivery hose - construction & conditions

Parameter	Specification
Tube	Transparent plasticised PVC
Reinforcement	Polypropylene helix

Yellow PVC helix suction/delivery hose - construction & conditions

Parameter	Specification
Cover	Corrugated
Temperature range c	-20 / 60
Vacuum rating	Not supplied

Yellow PVC helix suction/delivery hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Green heavy-duty PVC helix suction/delivery hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Green heavy-duty PVC helix suction/delivery hose	50	62	6	18	1.177	30
Green heavy-duty PVC helix suction/delivery hose	75	87	5	15	2.053	30
Green heavy-duty PVC helix suction/delivery hose	100	116	4	12	3.331	30
Green heavy-duty PVC helix suction/delivery hose	150	170	2	6	6.866	30

Green heavy-duty PVC helix suction/delivery hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Green heavy-duty PVC helix suction/delivery hose - construction & conditions

Parameter	Specification
Tube	Transparent plasticised PVC
Reinforcement	Polypropylene helix
Cover	Corrugated
Temperature range c	-5 / 60
Vacuum rating	Not supplied

Green heavy-duty PVC helix suction/delivery hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Yellow PVC helix suction/delivery hose

Parameter	Specification
Configurations	Yellow PVC helix suction/delivery hose / Green heavy-duty PVC helix suction/delivery hose / Non-toxic steel-wire-reinforced PVC liquid-transfer hose - Only the named construction; other codes or constructions require their own specification.

Yellow PVC helix suction/delivery hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Check the exact food/chemical medium and cleaning conditions for the selected assembly. Food-contact suitability requires the relevant current documentation.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

064 / Agricultural & Spray Hose

Irrigation, spraying and agricultural transfer applications.

Double-textile-ply PVC agricultural spray hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
Double-textile-ply PVC agricultural spray hose	12.5	20	45	135	0.243	100

Double-textile-ply PVC agricultural spray hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Double-textile-ply PVC agricultural spray hose - construction & conditions

Parameter	Specification
Tube	PVC
Reinforcement	Double-ply woven polyester yarn
Cover	UV-resistant PVC
Temperature range c	-5 / 65
Safety factor	3
Service	Agricultural chemical spraying; exact formulation compatibility required

Double-textile-ply PVC agricultural spray hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

PVC dragline agricultural watering hose

configuration	Inside diameter (mm)	Outside diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Mass (kg/m)	Roll length (m)
PVC dragline agricultural watering hose	12	19	10	40	0.196	30 / 50 / 100
PVC dragline agricultural watering hose	20	24	10	40	0.283	30 / 50 / 100
PVC dragline agricultural watering hose	25	33	10	40	0.645	30 / 50 / 100

PVC dragline agricultural watering hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

PVC dragline agricultural watering hose - construction & conditions

Parameter	Specification
Tube	Black PVC
Reinforcement	Polyester yarn
Cover	Black PVC
Temperature range c	0 / 60
Safety factor	4

PVC dragline agricultural watering hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly.

Double-textile-ply PVC agricultural spray hose

Parameter	Specification
Configurations	Double-textile-ply PVC agricultural spray hose / Blue PVC layflat hose, 4 bar series / Blue PVC layflat hose, 7 bar series / Red PVC layflat hose, medium-duty series / Black NBR abrasion-resistant layflat hose / Antistatic EVA vacuum hose / PVC dragline agricultural watering hose - Only the named construction; other codes or constructions require their own specification.

Double-textile-ply PVC agricultural spray hose Dimensions and ratings apply to the named construction or exact code shown. Select pressure, temperature, medium and end fittings together for the finished assembly. Confirm the required electrical-resistance test and application approval for the complete assembly.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

065 / LPG & Natural Gas Transfer Hose

Gas-service hose configurations selected for the exact gas, duty and required approval.

Ordering references: H7008.008L

Orange LPG gas hose -H7008.008L

Part code	Configuration	Nominal bore mm	Id mm	Od mm	Wall thickness mm	Burst pressure bar	Mass kg m (kg/m)
H7008.008L	OrangeLPG gas hose -H7008.008L	8	7.9	11.3	1.7	52.0	0.174

H7008.008L orange LPG gas hose. Dimensions and 52 bar burst pressure apply only to the H7008.008L LPG construction. Burst pressure is not working pressure. Confirm working pressure, temperature, end fittings and approval for the selected gas duty. Natural-gas suitability is not established by this LPG row.

Orange LPG gas hose -H7008.008L

Parameter	Specification
Application	LPG gas transfer
Identification	Orange hose
Exact series	H7008.008L

H7008.008L orange LPG gas hose. Dimensions and 52 bar burst pressure apply only to the H7008.008L LPG construction. Burst pressure is not working pressure. Confirm working pressure, temperature, end fittings and approval for the selected gas duty. Natural-gas suitability is not established by this LPG row.

Application & quotation checklist

Medium and concentration; Inside diameter and length; Pressure or vacuum and temperature; End connections and electrical requirements

Stainless Steel Flexible Hose

Locally manufactured corrugated stainless steel hose with stainless steel braid and specified end connections.

001 / Stainless Steel Convolute Metallic Hose

Select the required connection and configuration for your application.

Construction & technical characteristics

Characteristic	Specification
Construction	Annular corrugated stainless steel hose with specified braid configuration
Pressure schedule reference temperature	20 °C
Assembly selection	Tube, braid, end connections and movement are specified together

Ordering references: SS-04 / SS-06 / SS-08 / SS-12 / SS-128 / SS-16 / SS-20 / SS-24 / SS-32 / SS-40 / SS-48 / SS-64 / SS-80 / SS-96

Unbraided SS series

Part code	Nominal bore (in)	Static bend radius (mm)	Flexing bend radius (mm)	Working pressure (kg/cm ²)	Test pressure (kg/cm ²)
SS-04	1/4	45	100	4	6
SS-06	3/8	50	150	4	6
SS-08	1/2	65	200	3	4.5
SS-12	3/4	70	203	2	3
SS-16	1	104	229	2	3
SS-20	1-1/4	117	267	1.5	2.3
SS-24	1-1/2	152	292	1.5	2.3
SS-32	2	160	318	1	1.5
SS-40	2-1/2	175	508	1	1.5
SS-48	3	231	610	1	1.5

Unbraided SS series

Part code	Nominal bore (in)	Static bend radius (mm)	Flexing bend radius (mm)	Working pressure (kg/cm²)	Test pressure (kg/cm²)
SS-64	4	250	750	0.8	1.2
SS-80	5	318	900	0.6	0.9
SS-96	6	353	1050	0.6	0.9
SS-128	8	456	1180	0.5	0.75

SS-series configuration schedule at 20 °C. Test pressure is not burst pressure. Temperature derating and complete-assembly verification are required; made-to-order assemblies receive their own agreed rating.

Single-braid SS series

Part code	Nominal bore (in)	Static bend radius (mm)	Flexing bend radius (mm)	Working pressure (kg/cm²)	Test pressure (kg/cm²)
SS-04	1/4	45	100	100	150
SS-06	3/8	50	150	90	135
SS-08	1/2	65	200	80	120
SS-12	3/4	70	203	64	96
SS-16	1	104	229	50	75
SS-20	1-1/4	117	267	40	60
SS-24	1-1/2	152	292	30	45
SS-32	2	160	318	28	42
SS-40	2-1/2	175	508	24	36
SS-48	3	231	610	18	27
SS-64	4	250	750	16	24
SS-80	5	318	900	12	18
SS-96	6	353	1050	10	15
SS-128	8	456	1180	8	12

SS-series configuration schedule at 20 °C. Test pressure is not burst pressure. Temperature derating and complete-assembly verification are required; made-to-order assemblies receive their own agreed rating.

Double-braid SS series

Part code	Nominal bore (in)	Static bend radius (mm)	Flexing bend radius (mm)	Working pressure (kg/cm²)	Test pressure (kg/cm²)
SS-04	1/4	45	100	150	225
SS-06	3/8	50	150	135	203
SS-08	1/2	65	200	120	180
SS-12	3/4	70	203	96	144
SS-16	1	104	229	75	113
SS-20	1-1/4	117	267	60	90
SS-24	1-1/2	152	292	45	68
SS-32	2	160	318	42	63
SS-40	2-1/2	175	508	36	54
SS-48	3	231	610	27	41
SS-64	4	250	750	24	36
SS-80	5	318	900	18	27
SS-96	6	353	1050	15	23
SS-128	8	456	1180	12	18

SS-series configuration schedule at 20 °C. Test pressure is not burst pressure. Temperature derating and complete-assembly verification are required; made-to-order assemblies receive their own agreed rating.

Application & quotation checklist

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

002 / 304 Corrugated Stainless Steel Hose

Flexible metallic hose assemblies for compatible industrial media.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

003 / 316 Corrugated Stainless Steel Hose

Corrosion-led metallic hose selection for the application.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

004 / Stainless Steel Braided Assemblies

Corrugated tube and stainless steel braid configured to the duty.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

005 / Flanged Stainless Steel Hose Assemblies

Flexible metallic assemblies with specified flange interfaces.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

006 / Threaded Stainless Steel Hose Assemblies

Threaded end connections on custom metallic hose assemblies.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

007 / Custom End Connections & Welded Assemblies

Machined and welded end connections for an engineered assembly.

[Application & quotation checklist](#)

Tube grade and braid grade; Nominal bore and overall length; Pressure, temperature and conveyed medium; End connections, movement and installation geometry

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

Hose Fittings & Adaptors

Crimp fittings, reusable connections, hydraulic adaptors and thread conversion.

001 / CTCL1 - 1 WIRE - NON SKIVE SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: CTCL1-04 / CTCL1-05 / CTCL1-06 / CTCL1-08 / CTCL1-10 / CTCL1-12 / CTCL1-16 / CTCL1-20 / CTCL1-24 / CTCL1-32

CTCL1 - 1 WIRE - NON SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size
CTCL1-04	6.0	1/4
CTCL1-05	8.0	5/16
CTCL1-06	10.0	3/8
CTCL1-08	12.0	1/2
CTCL1-10	16.0	5/8
CTCL1-12	19.0	3/4
CTCL1-16	25.0	1
CTCL1-20	31.0	1 1/4
CTCL1-24	38.0	1 1/2
CTCL1-32	51.0	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

002 / XTCL - 2 WIRE - NON SKIVE SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: XTCL-04 / XTCL-05 / XTCL-06 / XTCL-08 / XTCL-10 / XTCL-12 / XTCL-16 / XTCL-20 / XTCL-24 / XTCL-32

XTCL - 2 WIRE - NON SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size
XTCL-04	6.0	1/4
XTCL-05	8.0	5/16
XTCL-06	10.0	3/8
XTCL-08	12.0	1/2
XTCL-10	16.0	5/8
XTCL-12	19.0	3/4
XTCL-16	25.0	1
XTCL-20	31.0	1 1/4
XTCL-24	38.0	1 1/2
XTCL-32	51.0	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

003 / CX_BD - 1 & 2 WIRE - SKIVE SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: CX04BD / CX05BD / CX06BD / CX08BD / CX10BD / CX12BD / CX16BD / CX20BD / CX24BD / CX32BD

CX_BD - 1 & 2 WIRE - SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Skive length (mm)
CX04BD	6.0	1/4	20.0

CX_BD - 1 & 2 WIRE - SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Skive length (mm)
CX05BD	8.0	5/16	20.0
CX06BD	10.0	3/8	23.0
CX08BD	12.0	1/2	27.0
CX10BD	16.0	5/8	27.0
CX12BD	19.0	3/4	31.0
CX16BD	25.0	1	34.0
CX20BD	31.0	1 1/4	39.0
CX24BD	38.0	1 1/2	43.0
CX32BD	51.0	2	58.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

004 / H_FLW - 4 SPIRAL - SKIVE SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: H04FLW / H06FLW / H08FLW / H10FLW / H12FLW / H16FLW / H20FLW / H24FLW / H32FLW

H_FLW - 4 SPIRAL - SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Skive length (mm)
H04FLW	6.0	1/4	18.0
H06FLW	10.0	3/8	22.0
H08FLW	12.0	1/2	24.0

H_FLW - 4 SPIRAL - SKIVE SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Skive length (mm)
H10FLW	16.0	5/8	27.0
H12FLW	19.0	3/4	30.0
H16FLW	25.0	1	38.0
H20FLW	31.0	1 1/4	45.0
H24FLW	38.0	1 1/2	50.0
H32FLW	51.0	2	55.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

005 / IL_FLW - 4 SPIRAL - INTERLOCK - SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12FLW / IL16FLW / IL20FLW / IL24FLW / IL32FLW

IL_FLW - 4 SPIRAL - INTERLOCK - SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Internal skive length (mm)	External skive length (mm)
IL12FLW	19.0	3/4	15.0	48.0
IL16FLW	25.0	1	17.0	61.0
IL20FLW	31.0	1 1/4	22.0	70.0
IL24FLW	38.0	1 1/2	22.5	79.0
IL32FLW	51.0	2	30.0	83.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

006 / IL6_FLW - 6 SPIRAL - INTERLOCK - SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL6-20FLW / IL6-24FLW / IL6-32FLW

IL6_FLW - 6 SPIRAL - INTERLOCK - SLEEVES

Part code	Nominal hose size (mm)	Nominal hose size	Internal skive length (mm)	External skive length (mm)
IL6-20FLW	31.0	1 1/4	22.0	70.0
IL6-24FLW	38.0	1 1/2	22.5	79.0
IL6-32FLW	51.0	2	30.0	83.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

007 / 3381 - PTFE / THERMOPLASTIC SLEEVE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 3381-03 / 3381-04 / 3381-05 / 3381-06 / 3381-08 / 3381-10 / 3381-12 / 3381-16

3381 - PTFE / THERMOPLASTIC SLEEVE

Part code	Nominal hose size (mm)	Nominal hose size
3381-03	5.0	3/16
3381-04	6.0	1/4
3381-05	8.0	5/16
3381-06	10.0	3/8

3381 - PTFE / THERMOPLASTIC SLEEVE

Part code	Nominal hose size (mm)	Nominal hose size
3381-08	12.0	1/2
3381-10	16.0	5/8
3381-12	19.0	3/4
3381-16	25.0	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

008 / BF - BSP HOSE FITTING - STRAIGHT FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X02BF04 / X04BF04 / X04BF06 / X06BF04 / X06BF05 / X06BF06 / X06BF08 / X08BF06 / X08BF08 / X08BF10 / X08BF12 / X10BF08 / X10BF10 / X12BF08 / X12BF10 / X12BF12 / X12BF16 / X16BF12 / X16BF16 / X20BF20 / X24BF24 / X32BF32

BF - BSP HOSE FITTING - STRAIGHT FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X02BF04	1/8	-2	1/4
X04BF04	1/4	-4	1/4
X04BF06	1/4	-4	3/8
X06BF04	3/8	-6	1/4
X06BF05	3/8	-6	5/16
X06BF06	3/8	-6	3/8
X06BF08	3/8	-6	1/2
X08BF06	1/2	-8	3/8

BF - BSP HOSE FITTING - STRAIGHT FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X08BF08	1/2	-8	1/2
X08BF10	1/2	-8	5/8
X08BF12	1/2	-8	3/4
X10BF08	5/8	-10	1/2
X10BF10	5/8	-10	5/8
X12BF08	3/4	-12	1/2
X12BF10	3/4	-12	5/8
X12BF12	3/4	-12	3/4
X12BF16	3/4	-12	1
X16BF12	1	-16	3/4
X16BF16	1	-16	1
X20BF20	1 1/4	-20	1 1/4
X24BF24	1 1/2	-24	1 1/2
X32BF32	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

009 / B90 - BSP HOSE FITTING - 90° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X02B90S04 / X04B90S04 / X06B90S04 / X06B90S06 / X06B90S08 / X08B90S06 / X08B90S08 / X10B90S08 / X10B90S10 / X12B90S08 / X12B90S12 / X16B90S16 / X20B90S20 / X24B90S24 / X32B90S32

B90 - BSP HOSE FITTING - 90° FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X02B90S04	1/8	-2	1/4
X04B90S04	1/4	-4	1/4
X06B90S04	3/8	-6	1/4
X06B90S06	3/8	-6	3/8
X06B90S08	3/8	Confirm	1/2
X08B90S06	1/2	-8	3/8
X08B90S08	1/2	-8	1/2
X10B90S08	5/8	-10	1/2
X10B90S10	5/8	-10	5/8
X12B90S08	3/4	Confirm	1/2
X12B90S12	3/4	-12	3/4
X16B90S16	1	-16	1
X20B90S20	1 1/4	-20	1 1/4
X24B90S24	1 1/2	-24	1 1/2
X32B90S32	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

010 / B90_K - BSP HOSE FITTING - 90° FEMALE COMPACT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X06B9006K / X08B9008K

B90_K - BSP HOSE FITTING - 90° FEMALE COMPACT

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X06B9006K	3/8	-6	3/8
X08B9008K	1/2	-8	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

011 / B45 - BSP HOSE FITTING - 45° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04B45S04 / X06B45S06 / X08B45S08 / X10B45S08 / X10B45S10 / X12B45S10 / X12B45S12 / X16B45S16 / X20B45S20 / X24B45S24 / X32B45S32

B45 - BSP HOSE FITTING - 45° FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X06B45S06	3/8	-6	3/8
X08B45S08	1/2	-8	1/2
X10B45S08	5/8	-10	1/2
X10B45S10	5/8	-10	5/8
X12B45S10	3/4	-12	5/8
X12B45S12	3/4	-12	3/4
X16B45S16	1	-16	1
X20B45S20	1 1/4	-20	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

B45 - BSP HOSE FITTING - 45° FEMALE - exact-code supplement

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X04B45S04	1/4	-4	1/4
X24B45S24	1 1/2	-24	1 1/2
X32B45S32	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

012 / BM - BSP HOSE FITTING - STRAIGHT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X02BM04 / X02BMT04 / X04BM04 / X04BM06 / X04BMT06 / X06BM04 / X06BM06 / X08BM06 / X08BM08 / X10BM08 / X10BM10 / X12BM12 / X16BM12 / X16BM16 / X20BM20 / X24BM24 / X32BM32

BM - BSP HOSE FITTING - STRAIGHT MALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X02BM04	1/8	-2	1/4
X02BMT04	1/8	-2	1/4
X04BM04	1/4	-4	1/4
X04BM06	1/4	-4	3/8
X04BMT06	1/4	-4	3/8
X06BM04	3/8	-6	1/4
X06BM06	3/8	-6	3/8
X08BM06	1/2	-8	3/8
X08BM08	1/2	-8	1/2

BM - BSP HOSE FITTING - STRAIGHT MALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X10BM08	5/8	-10	1/2
X10BM10	5/8	-10	5/8
X12BM12	3/4	-12	3/4
X16BM12	1	Confirm	3/4
X16BM16	1	-16	1
X20BM20	1 1/4	-20	1 1/4
X24BM24	1 1/2	-24	1 1/2
X32BM32	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

013 / FF - BSP HOSE FITTING - FLAT FACED FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X06FF06 / X08FF06 / X08FF08 / X12FF08 / X12FF10 / X12FF12 / X16FF12 / X16FF16

FF - BSP HOSE FITTING - FLAT FACED FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X06FF06	3/8	-6	3/8
X08FF06	1/2	-8	3/8
X08FF08	1/2	-8	1/2
X12FF08	3/4	-12	1/2

FF - BSP HOSE FITTING - FLAT FACED FEMALE

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
X12FF10	3/4	-12	5/8
X12FF12	3/4	-12	3/4
X16FF12	1	-16	3/4
X16FF16	1	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

014 / JF - JIC HOSE FITTING - STRAIGHT FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X07JF04 / X08JF04 / X09JF04 / X09JF05 / X09JF06 / X10JF04 / X10JF06 / X12JF06 / X12JF08 / X14JF08 / X14JF10 / X14JF12 / X14JFF08 / X17JF08 / X17JF10 / X17JF12 / X17JF16 / X19JF12 / X21JF12 / X21JF16 / X26JF16 / X26JF20 / X30JF24 / X40JF32

JF - JIC HOSE FITTING - STRAIGHT FEMALE

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X07JF04	7/16	-4	1/4
X08JF04	1/2	-5	1/4
X09JF04	9/16	-6	1/4
X09JF05	9/16	-6	5/16
X09JF06	9/16	-6	3/8
X10JF04	5/8 SAE	-7	1/4
X10JF06	5/8 SAE	-7	3/8
X12JF06	3/4	-8	3/8

JF - JIC HOSE FITTING - STRAIGHT FEMALE

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X12JF08	3/4	-8	1/2
X14JF08	7/8	-10	1/2
X14JFF08	7/8	-10	1/2
X14JF10	7/8	-10	5/8
X14JF12	7/8	-10	3/4
X17JF08	1 1/16	-12	1/2
X17JF10	1 1/16	-12	5/8
X17JF12	1 1/16	-12	3/4
X17JF16	1 1/16	-12	1
X19JF12	1 3/16	-14	3/4
X21JF12	1 5/16	-16	3/4
X21JF16	1 5/16	-16	1
X26JF16	1 5/8	-20	1
X26JF20	1 5/8	-20	1 1/4
X30JF24	1 7/8	-24	1 1/2
X40JF32	2 1/2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

015 / J90 - JIC HOSE FITTING - 90° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X07J90S04 / X08J90S04 / X09J90S04 / X09J90S06 / X10J90S06 / X12J90S06 / X12J90S08 / X14J90S08 / X14J90S10 / X17J90S08 / X17J90S10 / X17J90S12 / X19J90S12 / X21J90S12 / X21J90S16 / X26J90S16 / X26J90S20 / X30J90S24 / X40J90S32

J90 - JIC HOSE FITTING - 90° FEMALE

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X07J90S04	7/16	-4	1/4
X08J90S04	1/2	-5	1/4
X09J90S04	9/16	-6	1/4
X09J90S06	9/16	-6	3/8
X10J90S06	5/8 SAE	-7	3/8
X12J90S06	3/4	-8	3/8
X12J90S08	3/4	-8	1/2
X14J90S08	7/8	-10	1/2
X14J90S10	7/8	-10	5/8
X17J90S08	1 1/16	-12	1/2
X17J90S10	1 1/16	-12	5/8
X17J90S12	1 1/16	-12	3/4
X19J90S12	1 3/16	-14	3/4
X21J90S12	1 5/16	-16	3/4
X21J90S16	1 5/16	-16	1
X26J90S16	1 5/8	-20	1
X26J90S20	1 5/8	-20	1 1/4
X30J90S24	1 7/8	-24	1 1/2
X40J90S32	2 1/2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

016 / J45 - JIC HOSE FITTING - 45° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X07J45S04 / X08J45S04 / X09J45S04 / X09J45S06 / X10J45S06 / X12J45S06 / X12J45S08 / X14J45S08 / X14J45S10 / X17J45S08 / X17J45S10 / X17J45S12 / X19J45S12 / X21J45S12 / X21J45S16 / X26J45S20 / X30J45S24 / X40J45S32

J45 - JIC HOSE FITTING - 45° FEMALE

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X07J45S04	7/16	-4	1/4
X08J45S04	1/2	-5	1/4
X09J45S04	9/16	-6	1/4
X09J45S06	9/16	-6	3/8
X10J45S06	5/8 SAE	-7	3/8
X12J45S06	3/4	-8	3/8
X12J45S08	3/4	-8	1/2
X14J45S08	7/8	-10	1/2
X14J45S10	7/8	-10	5/8
X17J45S08	1 1/16	-12	1/2
X17J45S10	1 1/16	-12	5/8
X17J45S12	1 1/16	-12	3/4
X19J45S12	1 3/16	-14	3/4
X21J45S12	1 5/16	-16	3/4
X21J45S16	1 5/16	-16	1

J45 - JIC HOSE FITTING - 45° FEMALE

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X26J45S20	1 5/8	-20	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

J45 - JIC HOSE FITTING - 45° FEMALE - exact-code supplement

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X30J45S24	1 7/8	-24	1 1/2
X40J45S32	2 1/2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

017 / JM - JIC HOSE FITTING - MALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X07JM04 / X08JM04 / X09JM04 / X09JM05 / X09JM06 / X10JM06 / X12JM06 / X12JM08 / X14JM08 / X14JM10 / X17JM08 / X17JM10 / X17JM12 / X19JM12 / X21JM12 / X21JM16 / X26JM20 / X30JM24 / X40JM32

JM - JIC HOSE FITTING - MALE STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X07JM04	7/16	-4	1/4
X08JM04	1/2	-5	1/4
X09JM04	9/16	-6	1/4
X09JM05	9/16	-6	5/16
X09JM06	9/16	-6	3/8
X10JM06	5/8 SAE	-7	3/8

JM - JIC HOSE FITTING - MALE STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
X12JM06	3/4	-8	3/8
X12JM08	3/4	-8	1/2
X14JM08	7/8	-10	1/2
X14JM10	7/8	-10	5/8
X17JM08	1 1/16	-12	1/2
X17JM10	1 1/16	-12	5/8
X17JM12	1 1/16	-12	3/4
X19JM12	1 3/16	-14	3/4
X21JM12	1 5/16	-16	3/4
X21JM16	1 5/16	-16	1
X26JM20	1 5/8	-20	1 1/4
X30JM24	1 7/8	-24	1 1/2
X40JM32	2 1/2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

018 / LORF - ORFS HOSE FITTING - STRAIGHT FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04LORF04 / X06LORF04 / X06LORF06 / X08LORF06 / X08LORF08 / X10LORF08 / X10LORF10 / X12LORF08 / X12LORF10 / X12LORF12 / X16LORF16 / X20LORF16 / X20LORF20 / X24LORF24

LORF - ORFS HOSE FITTING - STRAIGHT FEMALE

Part code	Thread size (notation)	Hose tail (in)
X04LORF04	9/16-18	1/4
X06LORF04	11/16-16	1/4
X06LORF06	11/16-16	3/8
X08LORF06	13/16-16	3/8
X08LORF08	13/16-16	1/2
X10LORF08	1-14	1/2
X10LORF10	1-14	5/8
X12LORF08	1 3/16-12	1/2
X12LORF10	1 3/16-12	5/8
X12LORF12	1 3/16-12	3/4
X16LORF16	1 7/16-12	1
X20LORF16	1 11/16-12	1
X20LORF20	1 11/16-12	1 1/4
X24LORF24	Confirm	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

019 / LORF 90 - ORFS HOSE FITTING - 90° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04LORF90S04 / X06LORF90S04 / X06LORF90S06 / X08LORF90S06 / X08LORF90S08 / X10LORF90S08 / X10LORF90S10 / X12LORF90S08 / X12LORF90S10 / X12LORF90S12 / X16LORF90S12 / X16LORF90S16 / X20LORF90S20 / X24LORF90S24

LORF 90 - ORFS HOSE FITTING - 90° FEMALE

Part code	Thread size (notation)	Hose tail (in)
X04LORF90S04	9/16-18	1/4
X06LORF90S04	11/16-16	1/4
X06LORF90S06	11/16-16	3/8
X08LORF90S06	13/16-16	3/8
X08LORF90S08	13/16-16	1/2
X10LORF90S08	1-14	1/2
X10LORF90S10	1-14	5/8
X12LORF90S08	1 3/16-12	1/2
X12LORF90S10	1 3/16-12	5/8
X12LORF90S12	1 3/16-12	3/4
X16LORF90S12	1 7/16-12	3/4
X16LORF90S16	1 7/16-12	1
X20LORF90S20	1 11/16-12	1 1/4
X24LORF90S24	Confirm	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

020 / LORF 45 - ORFS HOSE FITTING - 45° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04LORF45S04 / X06LORF45S04 / X06LORF45S06 / X08LORF45S06 / X08LORF45S08 / X10LORF45S10 / X12LORF45S12 / X16LORF45S16 / X20LORF45S20 / X24LORF45S24

LORF 45 - ORFS HOSE FITTING - 45° FEMALE

Part code	Thread size (notation)	Hose tail (in)
X04LORF45S04	9/16-18	1/4
X06LORF45S04	11/16-16	1/4
X06LORF45S06	11/16-16	3/8
X08LORF45S06	13/16-16	3/8
X08LORF45S08	13/16-16	1/2
X10LORF45S10	1-14	5/8
X12LORF45S12	1 3/16-12	3/4
X16LORF45S16	1 7/16-12	1
X20LORF45S20	1 11/16-12	1 1/4
X24LORF45S24	Confirm	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

021 / LORM - ORFS HOSE FITTING - MALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04LORM04 / X06LORM04 / X06LORM06 / X08LORM06 / X08LORM08 / X10LORM08 / X10LORM10 / X12LORM08 / X12LORM10 / X12LORM12 / X16LORM12 / X16LORM16

LORM - ORFS HOSE FITTING - MALE STRAIGHT

Part code	Thread size (notation)	Hose tail (in)
X04LORM04	9/16-18	1/4
X06LORM04	11/16-16	1/4

LORM - ORFS HOSE FITTING - MALE STRAIGHT

Part code	Thread size (notation)	Hose tail (in)
X06LORM06	11/16-16	3/8
X08LORM06	13/16-16	3/8
X08LORM08	13/16-16	1/2
X10LORM08	1-14	1/2
X10LORM10	1-14	5/8
X12LORM08	1 3/16-12	1/2
X12LORM10	1 3/16-12	5/8
X12LORM12	1 3/16-12	3/4
X16LORM12	1 7/16-12	3/4
X16LORM16	1 7/16-12	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

022 / MSF - METRIC HOSE FITTING - STRAIGHT FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X12MSF06-04 / X14MSF06-04 / X14MSF08-04 / X16MSF08-04 / X16MSF10-04 / X16MSF10-05 / X16MSF10-06 / X18MSF10-04 / X18MSF12-05 / X18MSF12-06 / X18MSF12-06P / X20MSF12-06 / X22MSF14-06 / X22MSF15-06 / X22MSF15-08 / X24MSF16-08 / X26MSF18-08 / X26MSF18-10 / X30MSF20-10 / X30MSF20-12 / X30MSF22-12 / X36MSF25-12 / X36MSF25-16 / X36MSF28-16 / X42MSF30-16 / X45MSF35-20 / X52MSF38-20 / X52MSF42-24

MSF - METRIC HOSE FITTING - STRAIGHT FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X12MSF06-04	12 x 1.5	6L	1/4	L

MSF - METRIC HOSE FITTING - STRAIGHT FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X14MSF06-04	14 x 1.5	6L	1/4	L
X14MSF08-04	14 x 1.5	8L	1/4	L
X16MSF10-04	16 x 1.5	10L	1/4	L
X16MSF10-05	16 x 1.5	10L	5/16	L
X16MSF10-06	16 x 1.5	10L	3/8	L
X18MSF12-05	18 x 1.5	12L	5/16	L
X18MSF12-06P	18 x 1.5	12L	3/8	L
X18MSF12-06	18 x 1.5	12L	3/8	L
X22MSF15-06	22 x 1.5	15L	3/8	L
X22MSF15-08	22 x 1.5	15L	1/2	L
X26MSF18-08	26 x 1.5	18L	1/2	L
X26MSF18-10	26 x 1.5	18L	5/8	L
X30MSF22-12	30 x 2	22L	3/4	L
X36MSF28-16	36 x 2	28L	1	L
X45MSF35-20	45 x 2	35L	1 1/4	L
X52MSF42-24	52 x 2	42L	1 1/2	L
X16MSF08-04	16 x 1.5	8S	1/4	H
X18MSF10-04	18 x 1.5	10S	1/4	H
X20MSF12-06	20 x 1.5	12S	3/8	H
X22MSF14-06	22 x 1.5	14S	3/8	H
X24MSF16-08	24 x 1.5	16S	1/2	H

MSF - METRIC HOSE FITTING - STRAIGHT FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X30MSF20-10	30 x 2	20S	5/8	H
X30MSF20-12	30 x 2	20S	3/4	H
X36MSF25-12	36 x 2	25S	3/4	H
X36MSF25-16	36 x 2	25S	1	H
X42MSF30-16	42 x 2	30S	1	H
X52MSF38-20	52 x 2	38S	1 1/4	H

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

023 / MSF 90 - METRIC HOSE FITTING - 90° FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X12MSF90S-0604 / X14MSF90S-0804 / X16MSF90S-0804 / X16MSF90S-1004 / X16MSF90S-1005 / X16MSF90S-1006 / X18MSF90S-1004 / X18MSF90S-1206 / X20MSF90S-1206 / X22MSF90S-1406 / X22MSF90S-1508 / X24MSF90S-1608 / X26MSF90S-1808 / X26MSF90S-1810 / X30MSF90S-2010 / X30MSF90S-2012 / X30MSF90S-2212 / X36MSF90S-2512 / X36MSF90S-2516 / X36MSF90S-2816 / X42MSF90S-3016 / X45MSF90S-3520 / X52MSF90S-3820 / X52MSF90S-4224

MSF 90 - METRIC HOSE FITTING - 90° FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X12MSF90S-0604	12 x 1.5	6L	1/4	L
X14MSF90S-0804	14 x 1.5	8L	1/4	L
X16MSF90S-1004	16 x 1.5	10L	1/4	L
X16MSF90S-1005	16 x 1.5	10L	5/16	L
X16MSF90S-1006	16 x 1.5	10L	3/8	L

MSF 90 - METRIC HOSE FITTING - 90° FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X18MSF90S-1206	18 x 1.5	12L	3/8	L
X22MSF90S-1508	22 x 1.5	15L	1/2	L
X26MSF90S-1808	26 x 1.5	18L	1/2	L
X26MSF90S-1810	26 x 1.5	18L	5/8	L
X30MSF90S-2212	30 x 2	22L	3/4	L
X36MSF90S-2816	36 x 2	28L	1	L
X45MSF90S-3520	45 x 2	35L	1 1/4	L
X52MSF90S-4224	52 x 2	42L	1 1/2	L
X16MSF90S-0804	16 x 1.5	8S	1/4	H
X18MSF90S-1004	18 x 1.5	10S	1/4	H
X20MSF90S-1206	20 x 1.5	12S	3/8	H
X22MSF90S-1406	22 x 1.5	14S	3/8	H
X24MSF90S-1608	24 x 1.5	16S	1/2	H
X30MSF90S-2010	30 x 2	20S	5/8	H
X30MSF90S-2012	30 x 2	20S	3/4	H
X36MSF90S-2512	36 x 2	25S	3/4	H
X36MSF90S-2516	36 x 2	25S	1	H
X42MSF90S-3016	42 x 2	30S	1	H
X52MSF90S-3820	52 x 2	38S	1 1/4	H

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

024 / MSF45 - Metric45-Degree Female Hose Fitting

MSF45 - Metric45-Degree Female Hose Fitting configurations selected for the operating duty and connection.

Application: Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X12MSF45S-0604 / X14MSF45S-0804 / X16MSF45S-0804 / X16MSF45S-1004 / X16MSF45S-1006 / X18MSF45S-1004 / X18MSF45S-1206 / X20MSF45S-1206 / X22MSF45S-1406 / X22MSF45S-1508 / X24MSF45S-1608 / X26MSF45S-1808 / X26MSF45S-1810 / X30MSF45S-2010 / X30MSF45S-2012 / X30MSF45S-2212 / X36MSF45S-2512 / X36MSF45S-2516 / X36MSF45S-2816 / X42MSF45S-3016 / X45MSF45S-3520 / X52MSF45S-3820 / X52MSF45S-4224

MSF 45 - METRIC HOSE FITTING - STRAIGHT FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X12MSF45S-0604	12 x 1.5	6L	1/4	L
X14MSF45S-0804	14 x 1.5	8L	1/4	L
X16MSF45S-1004	16 x 1.5	10L	1/4	L
X16MSF45S-1006	16 x 1.5	10L	3/8	L
X18MSF45S-1206	18 x 1.5	12L	3/8	L
X22MSF45S-1508	22 x 1.5	15L	1/2	L
X26MSF45S-1808	26 x 1.5	18L	1/2	L
X26MSF45S-1810	26 x 1.5	18L	5/8	L
X30MSF45S-2212	30 x 2	22L	3/4	L
X36MSF45S-2816	36 x 2	28L	1	L
X45MSF45S-3520	45 x 2	35L	1 1/4	L
X52MSF45S-4224	52 x 2	42L	1 1/2	L
X16MSF45S-0804	16 x 1.5	8S	1/4	H
X18MSF45S-1004	18 x 1.5	10S	1/4	H
X20MSF45S-1206	20 x 1.5	12S	3/8	H

MSF 45 - METRIC HOSE FITTING - STRAIGHT FEMALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X22MSF45S-1406	22 x 1.5	14S	3/8	H
X24MSF45S-1608	24 x 1.5	16S	1/2	H
X30MSF45S-2010	30 x 2	20S	5/8	H
X30MSF45S-2012	30 x 2	20S	3/4	H
X36MSF45S-2512	36 x 2	25S	3/4	H
X36MSF45S-2516	36 x 2	25S	1	H
X42MSF45S-3016	42 x 2	30S	1	H
X52MSF45S-3820	52 x 2	38S	1 1/4	H

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

025 / ME - METRIC HOSE FITTING - STRAIGHT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X12ME06-04 / X14ME06-04 / X14ME08-04 / X16ME08-04 / X16ME10-04 / X16ME10-05 / X16ME10-06 / X18ME10-04 / X18ME10-06 / X18ME12-05 / X18ME12-06 / X20ME12-05 / X20ME12-06 / X22ME14-06 / X22ME15-06 / X22ME15-08 / X24ME16-08 / X26ME18-08 / X26ME18-10 / X30ME20-10 / X30ME20-12 / X30ME22-12 / X36ME25-12 / X36ME25-16 / X36ME28-16 / X42ME30-16 / X45ME35-20 / X52ME38-20 / X52ME42-24

ME - METRIC HOSE FITTING - STRAIGHT MALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X12ME06-04	12 x 1.5	6L	1/4	L
X14ME06-04	14 x 1.5	6L	1/4	L
X14ME08-04	14 x 1.5	8L	1/4	L

ME - METRIC HOSE FITTING - STRAIGHT MALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X16ME10-04	16 x 1.5	10L	1/4	L
X16ME10-05	16 x 1.5	10L	5/16	L
X16ME10-06	16 x 1.5	10L	3/8	L
X18ME12-05	18 x 1.5	12L	5/16	L
X18ME12-06	18 x 1.5	12L	3/8	L
X22ME15-06	22 x 1.5	15L	3/8	L
X22ME15-08	22 x 1.5	15L	1/2	L
X26ME18-08	26 x 1.5	18L	1/2	L
X26ME18-10	26 x 1.5	18L	5/8	L
X30ME22-12	30 x 2	22L	3/4	L
X36ME28-16	36 x 2	28L	1	L
X45ME35-20	45 x 2	35L	1 1/4	L
X52ME42-24	52 x 2	42L	1 1/2	L
X16ME08-04	16 x 1.5	8S	1/4	H
X18ME10-04	18 x 1.5	10S	1/4	H
X18ME10-06	18 x 1.5	10S	3/8	H
X20ME12-05	20 x 1.5	12S	5/16	H
X20ME12-06	20 x 1.5	12S	3/8	H
X22ME14-06	22 x 1.5	14S	3/8	H
X24ME16-08	24 x 1.5	16S	1/2	H
X30ME20-10	30 x 2	20S	5/8	H

ME - METRIC HOSE FITTING - STRAIGHT MALE

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)	Series (-)
X30ME20-12	30 x 2	20S	3/4	H
X36ME25-12	36 x 2	25S	3/4	H
X36ME25-16	36 x 2	25S	1	H
X42ME30-16	42 x 2	30S	1	H
X52ME38-20	52 x 2	38S	1 1/4	H

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

026 / NM - NPT HOSE FITTING - STRAIGHT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X02NM03 / X02NM04 / X04NM04 / X04NM06 / X06NM04 / X06NM06 / X06NM08 / X06NMS06 / X08NM06 / X08NM08 / X08NM10 / X08NM12 / X12NM08 / X12NM10 / X12NM12 / X12NM16 / X16NM12 / X16NM16 / X20NM20 / X24NM24 / X32NM32

NM - NPT HOSE FITTING - STRAIGHT MALE

Part code	NPT thread size (in)	Dash (-)	Hose tail (in)
X02NM03	1/8	-2	3/16
X02NM04	1/8	-2	1/4
X04NM04	1/4	-4	1/4
X04NM06	1/4	-4	3/8
X06NM04	3/8	-6	1/4
X06NM06	3/8	-6	3/8
X06NMS06	3/8	-6	3/8

NM - NPT HOSE FITTING - STRAIGHT MALE

Part code	NPT thread size (in)	Dash (-)	Hose tail (in)
X06NM08	3/8	-6	1/2
X08NM06	1/2	-8	3/8
X08NM08	1/2	-8	1/2
X08NM10	1/2	-8	5/8
X08NM12	1/2	-8	3/4
X12NM08	3/4	-12	1/2
X12NM10	3/4	-12	5/8
X12NM12	3/4	-12	3/4
X12NM16	3/4	-12	1
X16NM12	1	-16	3/4
X16NM16	1	-16	1
X20NM20	1 1/4	-20	1 1/4
X24NM24	1 1/2	-24	1 1/2
X32NM32	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

027 / B/T - BLANK TAILS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04B/T / X05B/T / X06B/T / X08B/T / X10B/T / X12B/T / X16B/T / X20B/T / X24B/T / X32B/T

B/T - BLANK TAILS

Part code	Nominal hose size	Dash (-)	Hose tail (in)
X04B/T	1/4	-4	1/4
X05B/T	5/16	-5	5/16
X06B/T	3/8	-6	3/8
X08B/T	1/2	-8	1/2
X10B/T	5/8	-10	5/8
X12B/T	3/4	-12	3/4
X16B/T	1	-16	1
X20B/T	1 1/4	-20	1 1/4
X24B/T	1 1/2	-24	1 1/2
X32B/T	2	-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

028 / H/J - HOSE JOINERS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04H/J / X05H/J / X06H/J / X08H/J / X10H/J / X12H/J / X16H/J / X20H/J / X24H/J

H/J - HOSE JOINERS

Part code	Nominal hose size	Dash (-)	Hose tail (in)
X04H/J	1/4	-4	1/4
X05H/J	5/16	-5	5/16

H/J - HOSE JOINERS

Part code	Nominal hose size	Dash (-)	Hose tail (in)
X06H/J	3/8	-6	3/8
X08H/J	1/2	-8	1/2
X10H/J	5/8	-10	5/8
X12H/J	3/4	-12	3/4
X16H/J	1	-16	1
X20H/J	1 1/4	-20	1 1/4
X24H/J	1 1/2	-24	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

029 / 24011 - Japanese metric FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 24011-14-04 / 24011-18-06 / 24011-22-08 / 24011-24-10 / 24011-30-12 / 24011-33-16

24011 - Japanese metric FEMALE

Part code	Metric thread (mm x pitch)	Hose tail (in)
24011-14-04	14 x 1.5	1/4
24011-18-06	18 x 1.5	3/8
24011-22-08	22 x 1.5	1/2
24011-24-10	24 x 1.5	5/8
24011-30-12	30 x 1.5	3/4

24011 - Japanese metric FEMALE

Part code	Metric thread (mm x pitch)	Hose tail (in)
24011-33-16	33 x 1.5	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

030 / MSF_K - Pressure-washer HOSE FITTINGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X22MSF15-04K / X22MSF15-05K / X22MSF15-06K

MSF_K - Pressure-washer HOSE FITTINGS

Part code	Metric thread (mm x pitch)	Hose tail (in)
X22MSF15-04K	22 x 1.5	1/4
X22MSF15-05K	22 x 1.5	5/16
X22MSF15-06K	22 x 1.5	3/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

031 / BJF - JAPANESE FEMALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04BJF04 / X06BJF06 / X08BJF08 / X12BJF12 / X16BJF16 / X20BJF20

BJF - JAPANESE FEMALE STRAIGHT

Part code	Thread size (notation)	Hose tail (in)
X04BJF04	1/4	1/4
X06BJF06	3/8	3/8
X08BJF08	1/2	1/2
X12BJF12	3/4	3/4
X16BJF16	1	1
X20BJF20	1 1/4	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

032 / NW - STAPLE LOCK MALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: NW06-04 / NW10-04 / NW10-06 / NW13-08 / NW20-12 / NW25-16 / NW32-20

NW - STAPLE LOCK MALE STRAIGHT

Part code	Thread size (notation)	Dash (-)	Hose tail (in)
NW06-04	1/4	-4	1/4
NW10-04	1/4	-4	1/4
NW10-06	3/8	6	3/8
NW13-08	1/2	8	1/2
NW20-12	3/4	12	3/4
NW25-16	1	16	1

NW - STAPLE LOCK MALE STRAIGHT

Part code	Thread size (notation)	Dash (-)	Hose tail (in)
NW32-20	1 1/4	20	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

033 / MOSE - STANDPIPES - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Family reference: X06BJ06

Ordering references: X06MOSE04 / X08MOSE04 / X08MOSE06 / X10MOSE04 / X10MOSE06 / X12MOSE04 / X12MOSE06 / X12MOSE08 / X14MOSE06 / X14MOSE08 / X15MOSE06 / X15MOSE08 / X16MOSE08 / X18MOSE08 / X18MOSE10 / X18MOSE12 / X20MOSE10 / X20MOSE12 / X22MOSE12 / X22MOSE16 / X25MOSE12 / X25MOSE16 / X28MOSE16 / X30MOSE16 / X30MOSE20 / X42MOSE24

MOSE - STANDPIPES - STRAIGHT

Part code	Pipe size (notation)	Hose tail (in)
X06MOSE04	6 mm	1/4
X08MOSE04	8 mm	1/4
X08MOSE06	8 mm	3/8
X10MOSE04	10 mm	1/4
X10MOSE06	10 mm	3/8
X12MOSE04	12 mm	1/4
X12MOSE06	12 mm	3/8
X12MOSE08	12 mm	1/2
X14MOSE06	14 mm	3/8
X14MOSE08	14 mm	1/2

MOSE - STANDPIPES - STRAIGHT

Part code	Pipe size (notation)	Hose tail (in)
X15MOSE06	15 mm	3/8
X15MOSE08	15 mm	1/2
X16MOSE08	16 mm	1/2
X18MOSE08	18 mm	1/2
X18MOSE10	18 mm	5/8
X18MOSE12	18 mm	3/4
X20MOSE10	20 mm	5/8
X20MOSE12	20 mm	3/4
X22MOSE12	22 mm	3/4
X22MOSE16	22 mm	1
X25MOSE12	25 mm	3/4
X25MOSE16	25 mm	1
X28MOSE16	28 mm	1
X30MOSE16	30 mm	1
X30MOSE20	30 mm	1 1/4
X42MOSE24	42 mm	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

034 / MOSE 90 - STANDPIPES - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X06MOSE90S04 / X08MOSE90S04 / X10MOSE90S04 / X10MOSE90S06 / X12MOSE90S04 / X12MOSE90S06 / X14MOSE90S06 / X15MOSE90S06 / X15MOSE90S08 / X16MOSE90S08 / X18MOSE90S08 / X18MOSE90S10 / X20MOSE90S10 / X20MOSE90S12 / X22MOSE90S12 / X25MOSE90S12 / X25MOSE90S16 / X28MOSE90S16

MOSE 90 - STANDPIPES - 90°

Part code	Pipe size (notation)	Hose tail (in)
X06MOSE90S04	6 mm	1/4
X08MOSE90S04	8 mm	1/4
X10MOSE90S04	10 mm	1/4
X10MOSE90S06	10 mm	3/8
X12MOSE90S04	12 mm	1/4
X12MOSE90S06	12 mm	3/8
X14MOSE90S06	14 mm	3/8
X15MOSE90S06	15 mm	3/8
X15MOSE90S08	15 mm	1/2
X16MOSE90S08	16 mm	1/2
X18MOSE90S08	18 mm	1/2
X18MOSE90S10	18 mm	5/8
X20MOSE90S10	20 mm	5/8
X20MOSE90S12	20 mm	3/4
X22MOSE90S12	22 mm	3/4
X25MOSE90S12	25 mm	3/4
X25MOSE90S16	25 mm	1
X28MOSE90S16	28 mm	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

035 / MOSE 45 - STANDPIPES - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X06MOSE45S04 / X08MOSE45S04 / X10MOSE45S04 / X10MOSE45S06 / X12MOSE45S04 / X12MOSE45S06 / X15MOSE45S06 / X15MOSE45S08 / X16MOSE45S08 / X18MOSE45S10 / X20MOSE45S10 / X22MOSE45S12 / X25MOSE45S12 / X25MOSE45S16

MOSE 45 - STANDPIPES - 45°

Part code	Hose tail (in)
X06MOSE45S04	1/4
X08MOSE45S04	1/4
X10MOSE45S04	1/4
X10MOSE45S06	3/8
X12MOSE45S04	1/4
X12MOSE45S06	3/8
X15MOSE45S06	3/8
X15MOSE45S08	1/2
X16MOSE45S08	1/2
X18MOSE45S10	5/8
X20MOSE45S10	5/8
X22MOSE45S12	3/4
X25MOSE45S12	3/4
X25MOSE45S16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

036 / BJ - BANJO FITTINGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: X04BJ04 / X06BJ06 / X08BJ08 / X10BJ04 / X12BJ04 / X12BJ12 / X14BJ04 / X14BJ06 / X14BJ08 / X16BJ04 / X16BJ06 / X18BJ06 / X18BJ08 / X22BJ08

BJ - BANJO FITTINGS

Part code	Banjo size (in)	Hose tail (in)
X04BJ04	1/4	1/4
X10BJ04	5/8	1/4
X12BJ04	3/4	1/4
X14BJ04	7/8	1/4
X16BJ04	1	1/4
X06BJ06	3/8	3/8
X14BJ06	7/8	3/8
X16BJ06	1	3/8
X18BJ06	1 1/8	3/8
X08BJ08	1/2	1/2
X14BJ08	7/8	1/2
X18BJ08	1 1/8	1/2
X22BJ08	1 3/8	1/2
X12BJ12	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

037 / SFH3000 - 3000 SERIES FLANGE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S08SFH-3-08 / S08SFH-3-12 / S12SFH-3-08 / S12SFH-3-12 / S12SFH-3-16 / S16SFH-3-12 / S16SFH-3-16 / S16SFH-3-20 / S20SFH-3-16 / S20SFH-3-20 / S20SFH-3-24 / S24SFH-3-20 / S24SFH-3-24 / S32SFH-3-24 / S32SFH-3-32

SFH3000 - 3000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S08SFH-3-08	1/2	30.2	1/2
S08SFH-3-12	1/2	30.2	3/4
S12SFH-3-08	3/4	38.1	1/2
S12SFH-3-12	3/4	38.1	3/4
S12SFH-3-16	3/4	38.1	1
S16SFH-3-12	1	44.5	3/4
S16SFH-3-16	1	44.5	1
S16SFH-3-20	1	44.5	1 1/4
S20SFH-3-16	1 1/4	50.8	1
S20SFH-3-20	1 1/4	50.8	1 1/4
S20SFH-3-24	1 1/4	50.8	1 1/2
S24SFH-3-20	1 1/2	60.3	1 1/4
S24SFH-3-24	1 1/2	60.3	1 1/2
S32SFH-3-24	2	71.4	1 1/2
S32SFH-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

038 / SFH3000 - 90 - 3000 SERIES FLANGE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S08SFH90S-3-08 / S12SFH90S-3-08 / S12SFH90S-3-12 / S12SFH90S-3-16 / S16SFH90S-3-12 / S16SFH90S-3-16 / S16SFH90S-3-20 / S20SFH90S-3-16 / S20SFH90S-3-20 / S24SFH90S-3-20 / S24SFH90S-3-24 / S32SFH90S-3-24 / S32SFH90S-3-32

SFH3000 - 90 - 3000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S08SFH90S-3-08	1/2	30.2	1/2
S12SFH90S-3-08	3/4	38.1	1/2
S12SFH90S-3-12	3/4	38.1	3/4
S12SFH90S-3-16	3/4	38.1	1
S16SFH90S-3-12	1	44.5	3/4
S16SFH90S-3-16	1	44.5	1
S16SFH90S-3-20	1	44.5	1 1/4
S20SFH90S-3-16	1 1/4	50.8	1
S20SFH90S-3-20	1 1/4	50.8	1 1/4
S24SFH90S-3-20	1 1/2	60.3	1 1/4
S24SFH90S-3-24	1 1/2	60.3	1 1/2
S32SFH90S-3-24	2	71.4	1 1/2
S32SFH90S-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

039 / SFH3000 - 45 - 3000 SERIES FLANGE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S08SFH45S-3-08 / S12SFH45S-3-08 / S12SFH45S-3-12 / S12SFH45S-3-16 / S16SFH45S-3-12 / S16SFH45S-3-16 / S16SFH45S-3-20 / S20SFH45S-3-16 / S20SFH45S-3-20 / S24SFH45S-3-20 / S24SFH45S-3-24 / S32SFH45S-3-24 / S32SFH45S-3-32

SFH3000 - 45 - 3000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S08SFH45S-3-08	1/2	30.2	1/2
S12SFH45S-3-08	3/4	38.1	1/2
S12SFH45S-3-12	3/4	38.1	3/4
S12SFH45S-3-16	3/4	38.1	1
S16SFH45S-3-12	1	44.5	3/4
S16SFH45S-3-16	1	44.5	1
S16SFH45S-3-20	1	44.5	1 1/4
S20SFH45S-3-16	1 1/4	50.8	1
S20SFH45S-3-20	1 1/4	50.8	1 1/4
S24SFH45S-3-20	1 1/2	60.3	1 1/4
S24SFH45S-3-24	1 1/2	60.3	1 1/2
S32SFH45S-3-24	2	71.4	1 1/2
S32SFH45S-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

040 / SFH6000 - 6000 SERIES FLANGE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH-6-08 / S12SFH-6-12 / S12SFH-6-16 / S16SFH-6-12 / S16SFH-6-16 / S16SFH-6-20 / S20SFH-6-16 / S20SFH-6-20 / S24SFH-6-20 / S24SFH-6-24 / S32SFH-6-24 / S32SFH-6-32

SFH6000 - 6000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S12SFH-6-08	3/4	41.3	1/2
S12SFH-6-12	3/4	41.3	3/4
S12SFH-6-16	3/4	41.3	1
S16SFH-6-12	1	47.6	3/4
S16SFH-6-16	1	47.6	1
S16SFH-6-20	1	47.6	1 1/4
S20SFH-6-16	1 1/4	54.0	1
S20SFH-6-20	1 1/4	54.0	1 1/4
S24SFH-6-20	1 1/2	63.5	1 1/4
S24SFH-6-24	1 1/2	63.5	1 1/2
S32SFH-6-24	2	79.4	1 1/2
S32SFH-6-32	2	79.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

041 / SFH6000 - 90 - 6000 SERIES FLANGE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH90S-6-08 / S12SFH90S-6-12 / S12SFH90S-6-16 / S16SFH90S-6-12 / S16SFH90S-6-16 / S16SFH90S-6-20 / S20SFH90S-6-16 / S20SFH90S-6-20 / S24SFH90S-6-20 / S24SFH90S-6-24 / S32SFH90S-6-24 / S32SFH90S-6-32

SFH6000 - 90 - 6000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S12SFH90S-6-08	3/4	41.3	1/2
S12SFH90S-6-12	3/4	41.3	3/4
S12SFH90S-6-16	3/4	41.3	1
S16SFH90S-6-12	1	47.6	3/4
S16SFH90S-6-16	1	47.6	1
S16SFH90S-6-20	1	47.6	1 1/4
S20SFH90S-6-16	1 1/4	54.0	1
S20SFH90S-6-20	1 1/4	54.0	1 1/4
S24SFH90S-6-20	1 1/2	63.5	1 1/4
S24SFH90S-6-24	1 1/2	63.5	1 1/2
S32SFH90S-6-24	2	79.4	1 1/2
S32SFH90S-6-32	2	79.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

042 / SFH6000 - 45 - 6000 SERIES FLANGE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH45S-6-08 / S12SFH45S-6-12 / S12SFH45S-6-16 / S16SFH45S-6-12 / S16SFH45S-6-16 / S16SFH45S-6-20 / S20SFH45S-6-16 / S20SFH45S-6-20 / S24SFH45S-6-20 / S24SFH45S-6-24 / S32SFH45S-6-24 / S32SFH45S-6-32

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

043 / SFH9000 - 9000 SERIES FLANGE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH-9-12 / S16SFH-9-12 / S16SFH-9-16 / S20SFH-9-16 / S20SFH-9-20 / S24SFH-9-20 / S24SFH-9-24

SFH9000 - 9000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S12SFH-9-12	3/4	41.3	3/4
S16SFH-9-12	1	47.6	3/4
S16SFH-9-16	1	47.6	1
S20SFH-9-16	1 1/4	54.0	1
S20SFH-9-20	1 1/4	54.0	1 1/4
S24SFH-9-20	1 1/2	63.5	1 1/4
S24SFH-9-24	1 1/2	63.5	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

044 / SFH9000 - 90 - 9000 SERIES FLANGE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH90S-9-12 / S16SFH90S-9-12 / S16SFH90S-9-16 / S20SFH90S-9-16 / S20SFH90S-9-20 / S24SFH90S-9-20 / S24SFH90S-9-24

SFH9000 - 90 - 9000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S12SFH90S-9-12	3/4	41.3	3/4
S16SFH90S-9-12	1	47.6	3/4
S16SFH90S-9-16	1	47.6	1
S20SFH90S-9-16	1 1/4	54.0	1
S20SFH90S-9-20	1 1/4	54.0	1 1/4
S24SFH90S-9-20	1 1/2	63.5	1 1/4
S24SFH90S-9-24	1 1/2	63.5	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

045 / SFH9000 - 45 - 9000 SERIES FLANGE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: S12SFH45S-9-12 / S16SFH45S-9-12 / S16SFH45S-9-16 / S20SFH45S-9-16 / S20SFH45S-9-20 / S24SFH45S-9-20 / S24SFH45S-9-24

SFH9000 - 45 - 9000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S12SFH45S-9-12	3/4	41.3	3/4
S16SFH45S-9-12	1	47.6	3/4
S16SFH45S-9-16	1	47.6	1
S20SFH45S-9-16	1 1/4	54.0	1
S20SFH45S-9-20	1 1/4	54.0	1 1/4

SFH9000 - 45 - 9000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
S24SFH45S-9-20	1 1/2	63.5	1 1/4
S24SFH45S-9-24	1 1/2	63.5	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

046 / SF3000 - 3000 SERIES SPLIT FLANGES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: SF3000-08 / SF3000-12 / SF3000-16 / SF3000-20 / SF3000-24 / SF3000-32

SF3000 - 3000 SERIES SPLIT FLANGES

Part code	Nominal flange size
SF3000-08	1/2
SF3000-12	3/4
SF3000-16	1
SF3000-20	1 1/4
SF3000-24	1 1/2
SF3000-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

047 / SF6000 - 6000 SERIES SPLIT FLANGES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: SF6000-08 / SF6000-12 / SF6000-16 / SF6000-20 / SF6000-24 / SF6000-32

SF6000 - 6000 SERIES SPLIT FLANGES

Part code	Nominal flange size
SF6000-08	1/2
SF6000-12	3/4
SF6000-16	1
SF6000-20	1 1/4
SF6000-24	1 1/2
SF6000-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

048 / IL_JF - INTERLOCK - JIC FEMALE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL17JF12 / IL21JF16 / IL26JF20 / IL30JF24 / IL40JF32

IL_JF - INTERLOCK - JIC FEMALE - STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
IL17JF12	1 1/16	12	3/4
IL21JF16	1 5/16	16	1
IL26JF20	1 5/8	20	1 1/4

IL_JF - INTERLOCK - JIC FEMALE - STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
IL30JF24	1 7/8	24	1 1/2
IL40JF32	2 1/2	32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

049 / IL_J90 - INTERLOCK - JIC FEMALE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL17J90S12 / IL21J90S16 / IL26J90S20 / IL30J90S24 / IL40J90S32

IL_J90 - INTERLOCK - JIC FEMALE - 90°

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
IL17J90S12	1 1/16	12	3/4
IL21J90S16	1 5/16	16	1
IL26J90S20	1 5/8	20	1 1/4
IL30J90S24	1 7/8	24	1 1/2
IL40J90S32	2 1/2	32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

050 / IL_J45 - INTERLOCK - JIC FEMALE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL17J45S12 / IL21J45S16 / IL26J45S20 / IL30J45S24 / IL40J45S32

IL_J45 - INTERLOCK - JIC FEMALE - 45°

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
IL17J45S12	1 1/16	12	3/4
IL21J45S16	1 5/16	16	1
IL26J45S20	1 5/8	20	1 1/4
IL30J45S24	1 7/8	24	1 1/2
IL40J45S32	2 1/2	32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

051 / IL_BF - INTERLOCK - BSP FEMALE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12BF12 / IL16BF16 / IL20BF20 / IL24BF24

IL_BF - INTERLOCK - BSP FEMALE - STRAIGHT

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
IL12BF12	3/4	12	3/4
IL16BF16	1	16	1
IL20BF20	1 1/4	20	1 1/4
IL24BF24	1 1/2	24	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

052 / IL_BF - INTERLOCK - BSP FEMALE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL16B90S16 / IL20B90S20

IL_BF - INTERLOCK - BSP FEMALE - 90°

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
IL16B90S16	1	16	1
IL20B90S20	1 1/4	20	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

053 / IL_NM - INTERLOCK - NPT MALE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

054 / IL_LORF - INTERLOCK - LORF FEMALE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12LORF12 / IL16LORF16 / IL20LORF16 / IL20LORF20

IL_LORF - INTERLOCK - LORF FEMALE - STRAIGHT

Part code	Thread size (notation)
IL12LORF12	1 3/16-12
IL16LORF16	1 7/16-12

IL_LORF - INTERLOCK - LORF FEMALE - STRAIGHT

Part code	Thread size (notation)
IL20LORF20	1 11/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

055 / IL_LORF90 - INTERLOCK - LORF FEMALE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12LORF90S12 / IL16LORF90S16 / IL20LORF90S20

IL_LORF90 - INTERLOCK - LORF FEMALE - 90°

Part code	Thread size (notation)
IL12LORF90S12	1 3/16-12
IL16LORF90S16	1 7/16-12
IL20LORF90S20	1 11/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

056 / IL_MS F - INTERLOCK - METRIC FEMALE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL36MSF25-12 / IL42MSF30-16 / IL52MSF38-20

IL_MSF - INTERLOCK - METRIC FEMALE - STRAIGHT

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)
IL36MSF25-12	36 x 2	25S	3/4
IL42MSF30-16	42 x 2	30S	1
IL52MSF38-20	52 x 2	38S	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

057 / IL_MSF - INTERLOCK - METRIC FEMALE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL36MSF90-2512 / IL36MSF90-2516 / IL42MSF90-3016 / IL52MSF90-3820

IL_MSF - INTERLOCK - METRIC FEMALE - 90°

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)
IL36MSF90-2512	36 x 2	25S	3/4
IL36MSF90-2516	36 x 2	25S	1
IL42MSF90-3016	42 x 2	30S	1
IL52MSF90-3820	52 x 2	38S	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

058 / IL_MSF - INTERLOCK - METRIC FEMALE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL36MSF45-2512 / IL42MSF45-3016 / IL52MSF45-3820

IL_MSIF - INTERLOCK - METRIC FEMALE - 45°

Part code	Metric thread (mm x pitch)	Pipe size (notation)	Hose tail (in)
IL36MSF45-2512	36 x 2	25S	3/4
IL42MSF45-3016	42 x 2	30S	1
IL52MSF45-3820	52 x 2	38S	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

059 / IL_SFIF3000 - INTERLOCK - 3000 SERIES FLANGE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFIF-3-12 / IL12SFIF-3-16 / IL16SFIF-3-12 / IL16SFIF-3-16 / IL20SFIF-3-16 / IL20SFIF-3-20 / IL24SFIF-3-20 / IL24SFIF-3-24 / IL32SFIF-3-32

IL_SFIF3000 - INTERLOCK - 3000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFIF-3-12	3/4	38.1	3/4
IL12SFIF-3-16	3/4	38.1	1
IL16SFIF-3-12	1	44.5	3/4
IL16SFIF-3-16	1	44.5	1
IL20SFIF-3-16	1 1/4	50.8	1
IL20SFIF-3-20	1 1/4	50.8	1 1/4
IL24SFIF-3-20	1 1/2	60.3	1 1/4
IL24SFIF-3-24	1 1/2	60.3	1 1/2

IL_SF3000 - INTERLOCK - 3000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL32SFH-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

060 / IL_SF3000 90 - INTERLOCK - 3000 SERIES FLANGE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFH90-3-12 / IL12SFH90-3-16 / IL16SFH90-3-12 / IL16SFH90-3-16 / IL20SFH90-3-16 / IL20SFH90-3-20 / IL24SFH90-3-20 / IL24SFH90-3-24 / IL32SFH90-3-32

IL_SF3000 90 - INTERLOCK - 3000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFH90-3-12	3/4	38.1	3/4
IL12SFH90-3-16	3/4	38.1	1
IL16SFH90-3-12	1	44.5	3/4
IL16SFH90-3-16	1	44.5	1
IL20SFH90-3-16	1 1/4	50.8	1
IL20SFH90-3-20	1 1/4	50.8	1 1/4
IL24SFH90-3-20	1 1/2	60.3	1 1/4
IL24SFH90-3-24	1 1/2	60.3	1 1/2
IL32SFH90-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

061 / IL_SF3000 45 - INTERLOCK - 3000 SERIES FLANGE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFH45-3-12 / IL12SFH45-3-16 / IL16SFH45-3-12 / IL16SFH45-3-16 / IL20SFH45-3-16 / IL20SFH45-3-20 / IL24SFH45-3-20 / IL24SFH45-3-24 / IL32SFH45-3-24 / IL32SFH45-3-32

IL_SF3000 45 - INTERLOCK - 3000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFH45-3-12	3/4	38.1	3/4
IL12SFH45-3-16	3/4	38.1	1
IL16SFH45-3-12	1	44.5	3/4
IL16SFH45-3-16	1	44.5	1
IL20SFH45-3-16	1 1/4	50.8	1
IL20SFH45-3-20	1 1/4	50.8	1 1/4
IL24SFH45-3-20	1 1/2	60.3	1 1/4
IL24SFH45-3-24	1 1/2	60.3	1 1/2
IL32SFH45-3-24	2	71.4	1 1/2
IL32SFH45-3-32	2	71.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

062 / IL_SF6000 - INTERLOCK - 6000 SERIES FLANGE - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFH-6-12 / IL12SFH-6-16 / IL16SFH-6-12 / IL16SFH-6-16 / IL20SFH-6-16 / IL20SFH-6-20 / IL24SFH-6-20 / IL24SFH-6-24 / IL32SFH-6-32

IL_SF6000 - INTERLOCK - 6000 SERIES FLANGE - STRAIGHT

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFH-6-12	3/4	41.3	3/4
IL16SFH-6-12	1	47.6	3/4
IL12SFH-6-16	3/4	41.3	1
IL16SFH-6-16	1	47.6	1
IL20SFH-6-16	1 1/4	54.0	1
IL20SFH-6-20	1 1/4	54.0	1 1/4
IL24SFH-6-20	1 1/2	63.5	1 1/4
IL24SFH-6-24	1 1/2	63.5	1 1/2
IL32SFH-6-32	2	79.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

063 / IL_SF6000 90 - INTERLOCK - 6000 SERIES FLANGE - 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFH90-6-12 / IL12SFH90-6-16 / IL16SFH90-6-12 / IL16SFH90-6-16 / IL20SFH90-6-16 / IL20SFH90-6-20 / IL24SFH90-6-20 / IL24SFH90-6-24 / IL32SFH90-6-32

IL_SF6000 90 - INTERLOCK - 6000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFH90-6-12	3/4	41.3	3/4
IL16SFH90-6-12	1	47.6	3/4
IL12SFH90-6-16	3/4	41.3	1

IL_SF6000 90 - INTERLOCK - 6000 SERIES FLANGE - 90°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL16SFH90-6-16	1	47.6	1
IL20SFH90-6-16	1 1/4	54.0	1
IL20SFH90-6-20	1 1/4	54.0	1 1/4
IL24SFH90-6-20	1 1/2	63.5	1 1/4
IL24SFH90-6-24	1 1/2	63.5	1 1/2
IL32SFH90-6-32	2	79.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

064 / IL_SF6000 45 - INTERLOCK - 6000 SERIES FLANGE - 45°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: IL12SFH45-6-12 / IL16SFH45-6-12 / IL16SFH45-6-16 / IL20SFH45-6-16 / IL20SFH45-6-20 / IL24SFH45-6-20 / IL24SFH45-6-24 / IL32SFH45-6-32

IL_SF6000 45 - INTERLOCK - 6000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL12SFH45-6-12	3/4	41.3	3/4
IL16SFH45-6-12	1	47.6	3/4
IL16SFH45-6-16	1	47.6	1
IL20SFH45-6-16	1 1/4	54.0	1
IL20SFH45-6-20	1 1/4	54.0	1 1/4
IL24SFH45-6-20	1 1/2	63.5	1 1/4

IL_SF6000 45 - INTERLOCK - 6000 SERIES FLANGE - 45°

Part code	Nominal flange size	Flange outside diameter (mm)	Hose tail (in)
IL24SFH45-6-24	1 1/2	63.5	1 1/2
IL32SFH45-6-32	2	79.4	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

065 / R2T - REUSABLE FITTINGS - SLEEVES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R2T-04 / R2T-06 / R2T-08 / R2T-12 / R2T-16

R2T - REUSABLE FITTINGS - SLEEVES

Part code	Nominal hose size	Dash (-)	Hose tail (in)
R2T-04	1/4	-4	1/4
R2T-06	3/8	-6	3/8
R2T-08	1/2	-8	1/2
R2T-12	3/4	-12	3/4
R2T-16	1	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

066 / R_BF - REUSABLE FITTINGS - BSP FEMALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R04BF04 / R06BF06 / R08BF08 / R12BF12 / R16BF16

R_BF - REUSABLE FITTINGS - BSP FEMALE STRAIGHT

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
R04BF04	1/4	-4	1/4
R06BF06	3/8	-6	3/8
R08BF08	1/2	-8	1/2
R12BF12	3/4	-12	3/4
R16BF16	1	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

067 / R_B90 - REUSABLE FITTINGS - BSP 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R04B90S04 / R06B90S06 / R08B90S08 / R12B90S12 / R16B90S16

R_B90 - REUSABLE FITTINGS - BSP 90°

Part code	BSP thread size (in)	Dash (-)	Hose tail (in)
R04B90S04	1/4	-4	1/4
R06B90S06	3/8	-6	3/8
R08B90S08	1/2	-8	1/2
R12B90S12	3/4	-12	3/4
R16B90S16	1	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

068 / R_NM - REUSABLE FITTINGS - NPT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R04NM04 / R06NM06 / R08NM08 / R12NM12 / R16NM16

R_NM - REUSABLE FITTINGS - NPT MALE

Part code	NPT thread size (in)	Dash (-)	Hose tail (in)
R04NM04	1/4	-4	1/4
R06NM06	3/8	-6	3/8
R08NM08	1/2	-8	1/2
R12NM12	3/4	-12	3/4
R16NM16	1	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

069 / R_JF - REUSABLE FIITINGS - JIC FEMALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R07JF04 / R08JF04 / R09JF04 / R09JF06 / R12JF06 / R12JF08 / R14JF08 / R17JF12 / R21JF16

R_JF - REUSABLE FIITINGS - JIC FEMALE STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
R07JF04	7/16	-4	1/4
R08JF04	Confirm	-5	1/4

R_JF - REUSABLE FIITINGS - JIC FEMALE STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
R09JF04	9/16	-6	1/4
R09JF06	9/16	-6	3/8
R12JF06	3/4	-8	3/8
R12JF08	3/4	-8	1/2
R14JF08	7/8	-10	1/2
R17JF12	1 1/16	-12	3/4
R21JF16	1 5/16	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

070 / R_J90 - REUSABLE FIITINGS - JIC FEMALE 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R07J90S04 / R08J90S04 / R09J90S04 / R09J90S06 / R12J90S06 / R12J90S08 / R14J90S08 / R17J90S12 / R21J90S16

R_J90 - REUSABLE FIITINGS - JIC FEMALE 90°

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
R07J90S04	7/16	-4	1/4
R08J90S04	1/2	-5	1/4
R09J90S04	9/16	-6	1/4
R09J90S06	9/16	-6	3/8
R12J90S06	3/4	-8	3/8

R_J90 - REUSABLE FIITINGS - JIC FEMALE 90°

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
R12J90S08	3/4	-8	1/2
R14J90S08	7/8	-10	1/2
R17J90S12	1 1/16	-12	3/4
R21J90S16	1 5/16	-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

071 / R_JM - REUSABLE FIITINGS - JIC MALE STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: R08JM04 / R09JM04 / R12JM06 / R17JM12

R_JM - REUSABLE FIITINGS - JIC MALE STRAIGHT

Part code	JIC thread size (in)	Dash (-)	Hose tail (in)
R08JM04	1/2	-5	1/4
R09JM04	9/16	-6	1/4
R12JM06	3/4	-8	3/8
R17JM12	1 1/16	-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

072 / 30682 - BRASS PUSHLOCK FITTINGS - JIC FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 30682-04-04B / 30682-05-04B / 30682-06-04B / 30682-06-06B / 30682-08-06B / 30682-08-08B / 30682-08-10B / 30682-10-08B / 30682-10-10B / 30682-12-12B / 30882-06-06B

30682 - BRASS PUSHLOCK FITTINGS - JIC FEMALE

Part code	JIC thread size (in)	Hose tail (in)
30682-04-04B	7/16	1/4
30682-05-04B	1/2	1/4
30682-06-04B	Confirm	1/4
30682-06-06B	9/16	3/8
30682-08-06B	3/4	3/8
30682-08-08B	3/4	1/2
30682-08-10B	Confirm	5/8
30682-10-08B	7/8	Confirm
30682-10-10B	7/8	5/8
30682-12-12B	1 1/16	3/4
30882-06-06B	5/8-18 SAE	3/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

073 / 30182 - BRASS PUSHLOCK FITTINGS - NPT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 30182-02-04B / 30182-04-04B / 30182-04-06B / 30182-04-08B / 30182-06-04B / 30182-06-06B / 30182-06-08B / 30182-08-06B / 30182-08-08B / 30182-12-08B / 30182-12-12B

30182 - BRASS PUSHLOCK FITTINGS - NPT MALE

Part code	NPT thread size (in)	Hose tail (in)
30182-02-04B	1/8	1/4
30182-04-04B	1/4	1/4
30182-04-06B	1/4	3/8
30182-04-08B	1/4	1/2
30182-06-04B	3/8	1/4
30182-06-06B	3/8	3/8
30182-06-08B	3/8	1/2
30182-08-06B	1/2	3/8
30182-08-08B	1/2	1/2
30182-12-08B	3/4	1/2
30182-12-12B	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

074 / 39282 - BRASS PUSHLOCK FITTINGS - BSP FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 39282-04-04 / 39282-06-06 / 39282-08-08 / 39282-10-10 / 39282-12-12 / 39282-16-16

39282 - BRASS PUSHLOCK FITTINGS - BSP FEMALE

Part code	BSP thread size (in)	Hose tail (in)
39282-04-04	1/4	1/4

39282 - BRASS PUSHLOCK FITTINGS - BSP FEMALE

Part code	BSP thread size (in)	Hose tail (in)
39282-06-06	3/8	3/8
39282-08-08	1/2	1/2
39282-10-10	5/8	5/8
39282-12-12	3/4	3/4
39282-16-16	1	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

075 / 38282 - BRASS PUSHLOCK FITTINGS - HOSE JOINER

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 38282-04-04 / 38282-06-06 / 38282-08-08 / 38282-12-12

38282 - BRASS PUSHLOCK FITTINGS - HOSE JOINER

Part code	Hose tail (in)
38282-04-04	1/4
38282-06-06	3/8
38282-08-08	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

076 / TFG - BSP FEMALE PLUGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: TFG-02 / TFG-04 / TFG-06 / TFG-08 / TFG-10 / TFG-12 / TFG-16 / TFG-20 / TFG-24 / TFG-32

TFG - BSP FEMALE PLUGS

Part code	BSP thread size (in)	Dash (-)
TFG-02	1/8	2
TFG-04	1/4	4
TFG-06	3/8	6
TFG-08	1/2	8
TFG-10	5/8	10
TFG-12	3/4	12
TFG-16	1	16
TFG-20	1 1/4	20
TFG-24	1 1/2	24
TFG-32	2	32

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

077 / TFU - JIC/UNF FEMALE PLUGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: TFU-04 / TFU-05 / TFU-06 / TFU-08 / TFU-10 / TFU-12 / TFU-16 / TFU-20 / TFU-24 / TFU-32

TFU - JIC/UNF FEMALE PLUGS

Part code	JIC thread size (in)	Dash (-)
TFU-04	7/16	4
TFU-05	1/2	5
TFU-06	9/16	6
TFU-08	3/4	8
TFU-10	7/8	10
TFU-12	1 1/16	12
TFU-16	1 5/16	16
TFU-20	1 5/8	20
TFU-24	1 7/8	24
TFU-32	2 1/2	32

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

078 / FL 3000/6000 - FLANGE PLASTIC CAPS - 3000 & 6000 SERIES FLANGES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FL3000-08 / FL3000-12 / FL3000-16 / FL3000-20 / FL3000-24 / FL3000-32 / FL6000-12 / FL6000-16 / FL6000-20 / FL6000-24 / FL6000-32

FL 3000/6000 - FLANGE PLASTIC CAPS - 3000 & 6000 SERIES FLANGES

Part code	Thread size (notation)	Dash (-)	Series (-)
FL3000-08	1/2	8	3000
FL3000-12	3/4	12	3000

FL 3000/6000 - FLANGE PLASTIC CAPS - 3000 & 6000 SERIES FLANGES

Part code	Thread size (notation)	Dash (-)	Series (-)
FL3000-16	1	16	3000
FL3000-20	1 1/4	20	3000
FL3000-24	1 1/2	24	3000
FL3000-32	2	32	3000
FL6000-12	3/4	12	6000
FL6000-16	1	16	6000
FL6000-20	1 1/4	20	6000
FL6000-24	1 1/2	24	6000
FL6000-32	2	32	6000

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

079 / TMG - BSP MALE PLUGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: TMG-02 / TMG-04 / TMG-06 / TMG-08 / TMG-10 / TMG-12 / TMG-16 / TMG-20 / TMG-24 / TMG-32

TMG - BSP MALE PLUGS

Part code	BSP thread size (in)	Dash (-)
TMG-02	1/8	2
TMG-04	1/4	4
TMG-06	3/8	6

TMG - BSP MALE PLUGS

Part code	BSP thread size (in)	Dash (-)
TMG-08	1/2	8
TMG-10	5/8	10
TMG-12	3/4	12
TMG-16	1	16
TMG-20	1 1/4	20
TMG-24	1 1/2	24
TMG-32	2	32

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

080 / TMU - JIC/UNF MALE PLUGS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: TMM22X1.5 / TMU-04 / TMU-05 / TMU-06 / TMU-08 / TMU-10 / TMU-12 / TMU-16 / TMU-20 / TMU-24 / TMU-32

TMU - JIC/UNF MALE PLUGS

Part code	Thread size (notation)	Dash (-)
TMU-04	7/16	4
TMU-05	1/2	5
TMU-06	9/16	6
TMU-08	3/4	8
TMU-10	7/8	10

TMU - JIC/UNF MALE PLUGS

Part code	Thread size (notation)	Dash (-)
TMU-12	1 1/16	12
TMU-16	1 5/16	16
TMU-20	1 5/8	20
TMU-24	1 7/8	24
TMU-32	2 1/2	32
TMM22X1.5	22 x 1.5	-

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

081 / QCPM - PLASTIC PLUGS FOR QUICK RELEASE COUPLERS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: QCPM-02 / QCPM-03 / QCPM-04 / QCPM-05 / QCPM-06

qcpm-coupling-dust-protectors

Part code	Coupling family	DNP size	ISO interface size	Dimension D as labelled (mm)	Dimension D1 as labelled (mm)	Weight
QCPM-02	Ball Type	06	6.3	25.0	19.5	13.0
QCPM-03	Ball Type	10	10.0	31.0	24.5	15.0
QCPM-04	Ball Type	13	12.5	35.0	26.0	20.0
QCPM-05	Ball Type	20	19.0	44.0	33.0	38.0
QCPM-06	Ball Type	25	25.0	50.0	39.0	45.0
QCPM-02	Pin Type	06	6.3	23.5	19.0	7.0

qcpm-coupling-dust-protectors

Part code	Coupling family	DNP size	ISO interface size	Dimension D as labelled (mm)	Dimension D1 as labelled (mm)	Weight
QCPM-03	Pin Type	10	10.0	28.0	22.0	14.0
QCPM-04	Pin Type	13	12.5	35.0	26.0	20.0
QCPM-05	Pin Type	20	19.0	42.0	36.0	33.0
QCPM-06	Pin Type	25	25.0	54.5	41.0	42.0
QCPM-02	Flat Face	06	6.3	32.5	20.0	16.0
QCPM-03	Flat Face	13	10.0	37.0	26.0	21.0
QCPM-04	Flat Face	20	12.5	43.0	31.5	29.0
QCPM-05	Flat Face	25	19.0	53.5	35.0	51.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

qcpm-coupling-dust-protectors - construction & conditions

Parameter	Specification
Material	Injection-moulded PVC
Configuration	female dust plug

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

082 / QCPF - PLASTIC PLUGS FOR QUICK RELEASE COUPLERS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: QCPF-02 / QCPF-03 / QCPF-04 / QCPF-05 / QCPF-06

qcpf-coupling-dust-protectors

Part code	Coupling family	DNP size	ISO interface size	Dimension D as labelled (mm)	Dimension D1 as labelled (mm)	Weight
QCPF-02	Ball Type	06	6.3	22.0	19.5	15.0
QCPF-03	Ball Type	10	10.0	26.0	24.5	18.0
QCPF-04	Ball Type	13	12.5	29.0	26.0	21.0
QCPF-05	Ball Type	20	19.0	37.0	33.0	43.0
QCPF-06	Ball Type	25	25.0	41.0	39.0	56.0
QCPF-02	Pin Type	06	6.3	17.5	17.5	8.0
QCPF-03	Pin Type	10	10.0	23.5	22.0	16.0
QCPF-04	Pin Type	13	12.5	29.0	26.0	21.0
QCPF-05	Pin Type	20	19.0	36.5	36.0	39.0
QCPF-06	Pin Type	25	25.0	42.0	42.0	47.0
QCPF-02	Flat Face	06	6.3	26.0	20.0	13.0
QCPF-03	Flat Face	13	10.0	27.5	26.0	15.0
QCPF-04	Flat Face	20	12.5	35.0	31.5	26.0
QCPF-05	Flat Face	25	19.0	43.0	35.0	41.0

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

qcpf-coupling-dust-protectors - construction & conditions

Parameter	Specification
Material	Injection-moulded PVC
Configuration	male dust cap with retaining chain

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

083 / HNB - BSP MALE x BSP MALE ADAPTOR - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: HNB-02-02 / HNB-04-02 / HNB-04-04 / HNB-06-04 / HNB-06-06 / HNB-08-04 / HNB-08-06 / HNB-08-08 / HNB-10-08 / HNB-10-10 / HNB-12-04 / HNB-12-06 / HNB-12-08 / HNB-12-10 / HNB-12-12 / HNB-16-08 / HNB-16-12 / HNB-16-16 / HNB-20-08 / HNB-20-12 / HNB-20-16 / HNB-20-20 / HNB-24-16 / HNB-24-20 / HNB-24-24 / HNB-32-24 / HNB-32-32

HNB - BSP MALE x BSP MALE ADAPTOR - STRAIGHT

Part code	BSP nominal thread size	BSP nominal thread size
HNB-02-02	1/8	1/8
HNB-04-02	1/4	1/8
HNB-04-04	1/4	1/4
HNB-06-04	3/8	1/4
HNB-06-06	3/8	3/8
HNB-08-04	1/2	1/4
HNB-08-06	1/2	3/8
HNB-08-08	1/2	1/2
HNB-10-08	5/8	1/2
HNB-10-10	5/8	5/8
HNB-12-04	3/4	1/4
HNB-12-06	3/4	3/8
HNB-12-08	3/4	1/2
HNB-12-10	3/4	5/8
HNB-12-12	3/4	3/4
HNB-16-08	1	1/2
HNB-16-12	1	3/4

HNB - BSP MALE x BSP MALE ADAPTOR - STRAIGHT

Part code	BSP nominal thread size	BSP nominal thread size
HNB-16-16	1	1
HNB-20-08	1 1/4	1/2
HNB-20-12	1 1/4	3/4
HNB-20-16	1 1/4	1
HNB-20-20	1 1/4	1 1/4
HNB-24-16	1 1/2	1
HNB-24-20	1 1/2	1 1/4
HNB-24-24	1 1/2	1 1/2
HNB-32-24	2	1 1/2
HNB-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

084 / HNBT - BSP x BSPT MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: HNBT-02-02 / HNBT-02-04 / HNBT-04-02 / HNBT-04-04 / HNBT-04-06 / HNBT-04-08 / HNBT-06-04 / HNBT-06-06 / HNBT-06-08 / HNBT-08-04 / HNBT-08-06 / HNBT-08-08 / HNBT-08-12 / HNBT-08-16 / HNBT-10-06 / HNBT-10-08 / HNBT-10-10 / HNBT-12-08 / HNBT-12-12 / HNBT-12-16 / HNBT-16-12 / HNBT-16-16 / HNBT-16-20 / HNBT-20-16 / HNBT-20-20 / HNBT-20-24 / HNBT-24-20 / HNBT-24-24 / HNBT-24-32 / HNBT-32-20 / HNBT-32-24 / HNBT-32-32

HNBT - BSP x BSPT MALE

Part code	BSP nominal thread size	BSPT nominal thread size
HNBT-02-02	1/8	1/8
HNBT-02-04	1/8	1/4
HNBT-04-02	1/4	1/8
HNBT-04-04	1/4	1/4
HNBT-04-06	1/4	3/8
HNBT-04-08	1/4	1/2
HNBT-06-04	3/8	1/4
HNBT-06-06	3/8	3/8
HNBT-06-08	3/8	1/2
HNBT-08-04	1/2	1/4
HNBT-08-06	1/2	3/8
HNBT-08-08	1/2	1/2
HNBT-08-12	1/2	3/4
HNBT-08-16	1/2	1
HNBT-10-06	5/8	3/8
HNBT-10-08	5/8	1/2
HNBT-10-10	5/8	5/8
HNBT-12-08	3/4	1/2
HNBT-12-12	3/4	3/4
HNBT-12-16	3/4	1
HNBT-16-12	1	3/4

HNBT - BSP x BSPT MALE

Part code	BSP nominal thread size	BSPT nominal thread size
HNBT-16-16	1	1
HNBT-16-20	1	1 1/4
HNBT-20-16	1 1/4	1
HNBT-20-20	1 1/4	1 1/4
HNBT-20-24	1 1/4	1 1/2
HNBT-24-20	1 1/2	1 1/4
HNBT-24-24	1 1/2	1 1/2
HNBT-24-32	1 1/2	2
HNBT-32-20	2	1 1/4
HNBT-32-24	2	1 1/2
HNBT-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

085 / HNBTT - BSPT x BSPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: HNBTT-04-04 / HNBTT-06-04 / HNBTT-06-06 / HNBTT-08-06 / HNBTT-08-08 / HNBTT-12-12 / HNBTT-16-16

HNBTT - BSPT x BSPT

Part code	BSPT nominal thread size	BSPT nominal thread size
HNBTT-04-04	1/4	1/4
HNBTT-06-04	3/8	1/4
HNBTT-06-06	3/8	3/8
HNBTT-08-06	1/2	3/8
HNBTT-08-08	1/2	1/2
HNBTT-12-12	3/4	3/4
HNBTT-16-16	1	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

086 / MCJB - JIC X BSP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: MCJB-04-02 / MCJB-04-04 / MCJB-04-06 / MCJB-04-08 / MCJB-05-04 / MCJB-06-04 / MCJB-06-06 / MCJB-06-08 / MCJB-06-10 / MCJB-06-12 / MCJB-08-04 / MCJB-08-06 / MCJB-08-08 / MCJB-08-10 / MCJB-08-12 / MCJB-08-16 / MCJB-10-06 / MCJB-10-08 / MCJB-10-10 / MCJB-10-12 / MCJB-12-08 / MCJB-12-10 / MCJB-12-12 / MCJB-12-16 / MCJB-12-20 / MCJB-16-12 / MCJB-16-16 / MCJB-16-20 / MCJB-16-24 / MCJB-20-16 / MCJB-20-20 / MCJB-20-24 / MCJB-24-20 / MCJB-24-24 / MCJB-32-32

MCJB - JIC X BSP

Part code	JIC nominal thread size	BSP nominal thread size
MCJB-04-02	7/16	1/8
MCJB-04-04	7/16	1/4
MCJB-04-06	7/16	3/8
MCJB-04-08	7/16	1/2
MCJB-05-04	1/2	1/4
MCJB-06-04	9/16	1/4
MCJB-06-06	9/16	3/8
MCJB-06-08	9/16	1/2
MCJB-06-10	9/16	5/8
MCJB-06-12	9/16	3/4
MCJB-08-04	3/4	1/4
MCJB-08-06	3/4	3/8
MCJB-08-08	3/4	1/2
MCJB-08-10	3/4	5/8
MCJB-08-12	3/4	3/4
MCJB-08-16	3/4	1
MCJB-10-06	7/8	3/8
MCJB-10-08	7/8	1/2
MCJB-10-10	7/8	5/8
MCJB-10-12	7/8	3/4
MCJB-12-08	1 1/16	1/2

MCJB - JIC X BSP

Part code	JIC nominal thread size	BSP nominal thread size
MCJB-12-10	1 1/16	5/8
MCJB-12-12	1 1/16	3/4
MCJB-12-16	1 1/16	1
MCJB-12-20	1 1/16	1 1/4
MCJB-16-12	1 5/16	3/4
MCJB-16-16	1 5/16	1
MCJB-16-20	1 5/16	1 1/4
MCJB-16-24	1 5/16	1 1/2
MCJB-20-16	1 5/8	1
MCJB-20-20	1 5/8	1 1/4
MCJB-20-24	1 5/8	1 1/2
MCJB-24-20	1 7/8	1 1/4
MCJB-24-24	1 7/8	1 1/2
MCJB-32-32	2 1/2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

087 / 5404 - NPT X NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5404-02-02 / 5404-04-02 / 5404-04-04 / 5404-06-02 / 5404-06-04 / 5404-06-06 / 5404-08-04 / 5404-08-06 / 5404-08-08 / 5404-12-06 / 5404-12-08 / 5404-12-12 / 5404-16-08 / 5404-16-12 / 5404-16-16 / 5404-20-16 / 5404-20-20 / 5404-24-16 / 5404-24-20 / 5404-24-24 / 5404-32-32

5404 - NPT X NPT

Part code	NPT nominal thread size	NPT nominal thread size
5404-02-02	1/8	1/8
5404-04-02	1/4	1/8
5404-04-04	1/4	1/4
5404-06-02	3/8	1/8
5404-06-04	3/8	1/4
5404-06-06	3/8	3/8
5404-08-04	1/2	1/4
5404-08-06	1/2	3/8
5404-08-08	1/2	1/2
5404-12-06	3/4	3/8
5404-12-08	3/4	1/2
5404-12-12	3/4	3/4
5404-16-08	1	1/2
5404-16-12	1	3/4
5404-16-16	1	1
5404-20-16	1 1/4	1
5404-20-20	1 1/4	1 1/4

5404 - NPT X NPT

Part code	NPT nominal thread size	NPT nominal thread size
5404-24-16	1 1/2	1
5404-24-20	1 1/2	1 1/4
5404-24-24	1 1/2	1 1/2
5404-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

088 / 2404 - JIC X NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2404-04-02 / 2404-04-04 / 2404-04-06 / 2404-04-08 / 2404-05-02 / 2404-05-04 / 2404-05-06 / 2404-06-02 / 2404-06-04 / 2404-06-06 / 2404-06-08 / 2404-06-12 / 2404-08-04 / 2404-08-06 / 2404-08-08 / 2404-08-12 / 2404-08-16 / 2404-10-06 / 2404-10-08 / 2404-10-12 / 2404-12-06 / 2404-12-08 / 2404-12-12 / 2404-12-16 / 2404-12-20 / 2404-12-24 / 2404-16-08 / 2404-16-12 / 2404-16-16 / 2404-16-20 / 2404-16-24 / 2404-20-16 / 2404-20-20 / 2404-20-24 / 2404-24-16 / 2404-24-20 / 2404-24-24 / 2404-24-32 / 2404-32-32

2404 - JIC X NPT

Part code	JIC nominal thread size	NPT nominal thread size
2404-04-02	7/16	1/8
2404-04-04	7/16	1/4
2404-04-06	7/16	3/8

2404 - JIC X NPT

Part code	JIC nominal thread size	NPT nominal thread size
2404-04-08	7/16	1/2
2404-05-02	1/2	1/8
2404-05-04	1/2	1/4
2404-05-06	1/2	3/8
2404-06-02	9/16	1/8
2404-06-04	9/16	1/4
2404-06-06	9/16	3/8
2404-06-08	9/16	1/2
2404-06-12	9/16	3/4
2404-08-04	3/4	1/4
2404-08-06	3/4	3/8
2404-08-08	3/4	1/2
2404-08-12	3/4	3/4
2404-08-16	3/4	1
2404-10-06	7/8	3/8
2404-10-08	7/8	1/2
2404-10-12	7/8	3/4
2404-12-06	1 1/16	3/8
2404-12-08	1 1/16	1/2
2404-12-12	1 1/16	3/4
2404-12-16	1 1/16	1

2404 - JIC X NPT

Part code	JIC nominal thread size	NPT nominal thread size
2404-12-20	1 1/16	1 1/4
2404-12-24	1 1/16	1 1/2
2404-16-08	1 5/16	1/2
2404-16-12	1 5/16	3/4
2404-16-16	1 5/16	1
2404-16-20	1 5/16	1 1/4
2404-16-24	1 5/16	1 1/2
2404-20-16	1 5/8	1
2404-20-20	1 5/8	1 1/4
2404-20-24	1 5/8	1 1/2
2404-24-16	1 7/8	1
2404-24-20	1 7/8	1 1/4
2404-24-24	1 7/8	1 1/2
2404-24-32	1 7/8	2
2404-32-32	2 1/2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

089 / 2403 - JIC X JIC

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2403-04-04 / 2403-05-04 / 2403-05-05 / 2403-06-04 / 2403-06-05 / 2403-06-06 / 2403-08-06 / 2403-08-08 / 2403-10-08 / 2403-10-10 / 2403-12-08 / 2403-12-10 / 2403-12-12 / 2403-16-12 / 2403-16-16 / 2403-20-16 / 2403-20-20 / 2403-24-20 / 2403-24-24 / 2403-32-32

2403 - JIC X JIC

Part code	JIC nominal thread size	JIC nominal thread size
2403-04-04	7/16	7/16
2403-05-04	1/2	7/16
2403-05-05	1/2	1/2
2403-06-04	9/16	7/16
2403-06-05	9/16	1/2
2403-06-06	9/16	9/16
2403-08-06	3/4	9/16
2403-08-08	3/4	3/4
2403-10-08	7/8	3/4
2403-10-10	7/8	7/8
2403-12-08	1 1/16	3/4
2403-12-10	1 1/16	7/8
2403-12-12	1 1/16	1 1/16
2403-16-12	1 5/16	1 1/16
2403-16-16	1 5/16	1 5/16
2403-20-16	1 5/8	1 5/16
2403-20-20	1 5/8	1 5/8

2403 - JIC X JIC

Part code	JIC nominal thread size	JIC nominal thread size
2403-24-20	1 7/8	1 5/8
2403-24-24	1 7/8	1 7/8
2403-32-32	2 1/2	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

090 / JM_MM - JIC X METRIC

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 12JM22MM / 4JM12MM / 4JM14MM / 4JM16MM / 6JM12MM / 6JM14MM / 6JM16MM / 6JM18MM / 8JM14MM / 8JM16MM / 8JM18MM / 8JM22MM / 8JM26MM

JM_MM - JIC X METRIC

Part code	JIC nominal thread size	Metric thread nominal size (mm)
12JM22MM	1 1/16	22
4JM12MM	7/16	12
4JM14MM	7/16	14
4JM16MM	7/16	16
6JM12MM	9/16	12

JM_MM - JIC X METRIC

Part code	JIC nominal thread size	Metric thread nominal size (mm)
6JM14MM	9/16	14
6JM16MM	9/16	16
6JM18MM	9/16	18
8JM14MM	3/4	14
8JM16MM	3/4	16
8JM18MM	3/4	18
8JM22MM	3/4	22
8JM26MM	3/4	26

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

091 / 6400 - JIC X SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6400-04-04 / 6400-04-05 / 6400-04-06 / 6400-04-08 / 6400-05-04 / 6400-05-05 / 6400-05-06 / 6400-06-04 / 6400-06-05 / 6400-06-06 / 6400-06-08 / 6400-06-10 / 6400-06-12 / 6400-08-04 / 6400-08-06 / 6400-08-08 / 6400-08-10 / 6400-08-12 / 6400-08-16 / 6400-10-06 / 6400-10-08 / 6400-10-10 / 6400-10-12 / 6400-12-06 / 6400-12-08 / 6400-12-10 / 6400-12-12 / 6400-12-16 / 6400-16-10 / 6400-16-12 / 6400-16-16 / 6400-16-20 / 6400-20-16 / 6400-20-20 / 6400-20-24 / 6400-24-20 / 6400-24-24 / 6400-32-32

6400 - JIC X SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6400-04-04	7/16	7/16
6400-04-05	7/16	1/2
6400-04-06	7/16	9/16
6400-04-08	7/16	3/4
6400-05-04	1/2	7/16
6400-05-05	1/2	1/2
6400-05-06	1/2	9/16
6400-06-04	9/16	7/16
6400-06-05	9/16	1/2
6400-06-06	9/16	9/16
6400-06-08	9/16	3/4
6400-06-10	9/16	7/8
6400-06-12	9/16	1 1/16
6400-08-04	3/4	7/16
6400-08-06	3/4	9/16
6400-08-08	3/4	3/4
6400-08-10	3/4	7/8
6400-08-12	3/4	1 1/16
6400-08-16	3/4	1 5/16
6400-10-06	7/8	9/16
6400-10-08	7/8	3/4

6400 - JIC X SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6400-10-10	7/8	7/8
6400-10-12	7/8	1 1/16
6400-12-06	1 1/16	9/16
6400-12-08	1 1/16	3/4
6400-12-10	1 1/16	7/8
6400-12-12	1 1/16	1 1/16
6400-12-16	1 1/16	1 5/16
6400-16-10	1 5/16	7/8
6400-16-12	1 5/16	1 1/16
6400-16-16	1 5/16	1 5/16
6400-16-20	1 5/16	1 5/8
6400-20-16	1 5/8	1 5/16
6400-20-20	1 5/8	1 5/8
6400-20-24	1 5/8	1 7/8
6400-24-20	1 7/8	1 5/8
6400-24-24	1 7/8	1 7/8
6400-32-32	2 1/2	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

092 / FF6400 - ORFS X SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6400-04-04 / FF6400-04-05 / FF6400-04-06 / FF6400-04-08 / FF6400-06-04 / FF6400-06-06 / FF6400-06-08 / FF6400-06-10 / FF6400-08-06 / FF6400-08-08 / FF6400-08-10 / FF6400-08-12 / FF6400-10-08 / FF6400-10-10 / FF6400-10-12 / FF6400-12-08 / FF6400-12-10 / FF6400-12-12 / FF6400-12-16 / FF6400-16-12 / FF6400-16-16 / FF6400-16-20 / FF6400-20-20

FF6400 - ORFS X SAE O' RING

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6400-04-04	9/16-18	7/16
FF6400-04-05	9/16-18	1/2
FF6400-04-06	9/16-18	9/16
FF6400-04-08	9/16-18	3/4
FF6400-06-04	Confirm	7/16
FF6400-06-06	Confirm	9/16
FF6400-06-08	Confirm	3/4
FF6400-06-10	Confirm	7/8
FF6400-08-06	Confirm	9/16
FF6400-08-08	Confirm	3/4
FF6400-08-10	Confirm	7/8
FF6400-08-12	Confirm	1 1/16
FF6400-10-08	1-14	3/4
FF6400-10-10	1-14	7/8

FF6400 - ORFS X SAE O' RING

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6400-10-12	1-14	1 1/16
FF6400-12-08	1 3/16-12	3/4
FF6400-12-10	1 3/16-12	7/8
FF6400-12-12	1 3/16-12	1 1/16
FF6400-12-16	1 3/16-12	1 5/16
FF6400-16-12	1 7/16-12	1 1/16
FF6400-16-16	1 7/16-12	1 5/16
FF6400-16-20	1 7/16-12	1 5/8
FF6400-20-20	1 11/16-12	1 5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

093 / FF2403 - ORFS X ORFS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2403-04-04 / FF2403-06-04 / FF2403-06-06 / FF2403-08-08 / FF2403-10-08 / FF2403-10-10 / FF2403-12-10 / FF2403-12-12 / FF2403-16-16 / FF2403-20-20 / FF2403-24-24

FF2403 - ORFS X ORFS

Part code	ORFS thread designation (inch-TPI designation)	ORFS thread designation (inch-TPI designation)
FF2403-04-04	9/16-18	9/16-18
FF2403-06-04	Confirm	9/16-18
FF2403-10-08	1-14	Confirm
FF2403-10-10	1-14	1-14
FF2403-12-10	1 3/16-12	1-14
FF2403-12-12	1 3/16-12	1 3/16-12
FF2403-16-16	1 7/16-12	1 7/16-12
FF2403-20-20	1 11/16-12	1 11/16-12
FF2403-24-24	2-12	2-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

094 / FF2404 - ORFS X NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2404-04-02 / FF2404-04-04 / FF2404-04-06 / FF2404-04-08 / FF2404-06-02 / FF2404-06-04 / FF2404-06-06 / FF2404-06-08 / FF2404-08-04 / FF2404-08-06 / FF2404-08-08 / FF2404-08-12 / FF2404-10-08 / FF2404-10-12 / FF2404-12-08 / FF2404-12-12 / FF2404-12-16 / FF2404-16-12 / FF2404-16-16 / FF2404-16-20 / FF2404-20-24 / FF2404-24-24

FF2404 - ORFS X NPT

Part code	ORFS thread designation (inch-TPI designation)	NPT nominal thread size
FF2404-04-04	9/16-18	1/4
FF2404-04-06	9/16-18	3/8
FF2404-04-08	9/16-18	1/2
FF2404-06-02	Confirm	1/8
FF2404-06-04	Confirm	1/4
FF2404-06-06	Confirm	3/8
FF2404-06-08	Confirm	1/2
FF2404-08-04	Confirm	1/4
FF2404-08-06	Confirm	3/8
FF2404-08-08	Confirm	1/2
FF2404-08-12	Confirm	3/4
FF2404-10-08	1-14	1/2
FF2404-10-12	1-14	3/4
FF2404-12-08	1 3/16-12	1/2
FF2404-12-12	1 3/16-12	3/4
FF2404-12-16	1 3/16-12	1
FF2404-16-12	1 7/16-12	3/4
FF2404-16-16	1 7/16-12	1
FF2404-16-20	1 7/16-12	1 1/4
FF2404-20-24	1 11/16-12	Confirm
FF2404-24-24	2-12	1 1/2

FF2404 - ORFS X NPT

Part code	ORFS thread designation (inch-TPI designation)	NPT nominal thread size
FF2404-04-02	9/16-18	1/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

095 / MCFB - ORFS X BSP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: MCFB-04-02 / MCFB-04-04 / MCFB-04-06 / MCFB-06-04 / MCFB-06-06 / MCFB-06-08 / MCFB-08-04 / MCFB-08-06 / MCFB-08-08 / MCFB-08-12 / MCFB-10-08 / MCFB-12-08 / MCFB-12-10 / MCFB-12-12 / MCFB-12-16 / MCFB-16-12 / MCFB-16-16 / MCFB-16-20 / MCFB-20-16 / MCFB-20-20 / MCFB-20-24

MCFB - ORFS X BSP

Part code	ORFS thread designation (inch-TPI designation)	BSP nominal thread size
MCFB-04-02	9/16-18	1/8
MCFB-04-04	9/16-18	1/4
MCFB-04-06	9/16-18	3/8
MCFB-06-04	Confirm	1/4
MCFB-06-06	Confirm	3/8
MCFB-06-08	Confirm	1/2
MCFB-08-04	Confirm	1/4

MCFB - ORFS X BSP

Part code	ORFS thread designation (inch-TPI designation)	BSP nominal thread size
MCFB-08-06	Confirm	3/8
MCFB-08-08	Confirm	1/2
MCFB-08-12	Confirm	3/4
MCFB-10-08	1-14	1/2
MCFB-12-08	1 3/16-12	1/2
MCFB-12-10	1 3/16-12	5/8
MCFB-12-12	1 3/16-12	3/4
MCFB-12-16	1 3/16-12	1
MCFB-16-12	1 7/16-12	3/4
MCFB-16-16	1 7/16-12	1
MCFB-16-20	1 7/16-12	1 1/4
MCFB-20-16	1 11/16-12	1
MCFB-20-20	1 11/16-12	1 1/4
MCFB-20-24	1 11/16-12	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

096 / C40XS - JIC x BSP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: C40XS-04-02 / C40XS-04-04 / C40XS-04-06 / C40XS-06-04 / C40XS-06-06 / C40XS-06-08 / C40XS-08-06 / C40XS-08-08 / C40XS-08-12 / C40XS-10-08 / C40XS-10-12 / C40XS-12-08 / C40XS-12-12 / C40XS-12-16 / C40XS-16-12 / C40XS-16-16 / C40XS-20-20 / C40XS-20-24 / C40XS-24-24

C40XS - JIC x BSP

Part code	JIC nominal thread size	BSP nominal thread size
C40XS-04-02	7/16	1/8
C40XS-04-04	7/16	1/4
C40XS-04-06	7/16	3/8
C40XS-06-04	9/16	1/4
C40XS-06-06	9/16	3/8
C40XS-06-08	9/16	1/2
C40XS-08-06	3/4	3/8
C40XS-08-08	3/4	1/2
C40XS-08-12	3/4	3/4
C40XS-10-08	7/8	1/2
C40XS-10-12	7/8	3/4
C40XS-12-08	1 1/16	1/2
C40XS-12-12	1 1/16	3/4
C40XS-12-16	1 1/16	1
C40XS-16-12	1 5/16	3/4
C40XS-16-16	1 5/16	1
C40XS-20-20	1 5/8	1 1/4

C40XS - JIC x BSP

Part code	JIC nominal thread size	BSP nominal thread size
C40XS-20-24	1 5/8	1 1/2
C40XS-24-24	1 7/8	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

097 / 5500 - NPT x NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5500-02-02 / 5500-04-04 / 5500-06-06 / 5500-08-08 / 5500-12-12 / 5500-16-16 / 5500-20-20 / 5500-24-24 / 5500-32-32

5500 - NPT x NPT

Part code	NPT nominal thread size	NPT nominal thread size
5500-02-02	1/8	1/8
5500-04-04	1/4	1/4
5500-06-06	3/8	3/8
5500-08-08	1/2	1/2
5500-12-12	3/4	3/4
5500-16-16	1	1

5500 - NPT x NPT

Part code	NPT nominal thread size	NPT nominal thread size
5500-20-20	1 1/4	1 1/4
5500-24-24	1 1/2	1 1/2
5500-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

098 / 2501 - JIC x NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2501-04-02 / 2501-04-04 / 2501-04-06 / 2501-04-08 / 2501-05-02 / 2501-05-04 / 2501-06-02 / 2501-06-04 / 2501-06-06 / 2501-06-08 / 2501-06-12 / 2501-08-04 / 2501-08-06 / 2501-08-08 / 2501-08-08L / 2501-08-08LL / 2501-08-12 / 2501-10-06 / 2501-10-08 / 2501-10-12 / 2501-12-08 / 2501-12-12 / 2501-12-12L / 2501-12-12LL / 2501-12-16 / 2501-16-08 / 2501-16-12 / 2501-16-16 / 2501-16-20 / 2501-20-16 / 2501-20-20 / 2501-20-24 / 2501-24-20 / 2501-24-24 / 2501-32-32

2501 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2501-04-02	7/16	1/8
2501-04-04	7/16	1/4
2501-04-06	7/16	3/8
2501-04-08	7/16	1/2

2501 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2501-05-02	1/2	1/8
2501-05-04	1/2	1/4
2501-06-02	9/16	1/8
2501-06-04	9/16	1/4
2501-06-06	9/16	3/8
2501-06-08	9/16	1/2
2501-06-12	9/16	3/4
2501-08-04	3/4	1/4
2501-08-06	3/4	3/8
2501-08-08	3/4	1/2
2501-08-08L	3/4	1/2
2501-08-08LL	3/4	1/2
2501-08-12	3/4	3/4
2501-10-06	7/8	3/8
2501-10-08	7/8	1/2
2501-10-12	7/8	3/4
2501-12-08	1 1/16	1/2
2501-12-12	1 1/16	3/4
2501-12-12L	1 1/16	3/4
2501-12-12LL	1 1/16	3/4
2501-12-16	1 1/16	1

2501 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2501-16-08	1 5/16	1/2
2501-16-12	1 5/16	3/4
2501-16-16	1 5/16	1
2501-16-20	1 5/16	1 1/4
2501-20-16	1 5/8	1
2501-20-20	1 5/8	1 1/4
2501-20-24	1 5/8	1 1/2
2501-24-20	1 7/8	1 1/4
2501-24-24	1 7/8	1 1/2
2501-32-32	2 1/2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

099 / 2500 - JIC X JIC

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2500-04-04 / 2500-05-05 / 2500-06-06 / 2500-08-08 / 2500-10-10 / 2500-12-12 / 2500-16-16 / 2500-20-20 / 2500-24-24 / 2500-32-32

2500 - JIC X JIC

Part code	JIC nominal thread size	JIC nominal thread size
2500-04-04	7/16	7/16
2500-05-05	1/2	1/2
2500-06-06	9/16	9/16
2500-08-08	3/4	3/4
2500-10-10	7/8	7/8
2500-12-12	1 1/16	1 1/16
2500-16-16	1 5/16	1 5/16
2500-20-20	1 5/8	1 5/8
2500-24-24	1 7/8	1 7/8
2500-32-32	2 1/2	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

100 / 6801 - JIC x SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6801-04-04 / 6801-04-05 / 6801-04-06 / 6801-04-08 / 6801-05-04 / 6801-05-05 / 6801-05-06 / 6801-06-04 / 6801-06-05 / 6801-06-06 / 6801-06-08 / 6801-06-10 / 6801-08-06 / 6801-08-08 / 6801-08-10 / 6801-08-12 / 6801-10-08 / 6801-10-10 / 6801-10-12 / 6801-12-08 / 6801-12-10 / 6801-12-12 / 6801-12-12L / 6801-12-12LL / 6801-12-16 / 6801-16-12 / 6801-16-16 / 6801-16-20 / 6801-20-16 / 6801-20-20 / 6801-20-24 / 6801-24-20 / 6801-24-24 / 6801-32-32

6801 - JIC x SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6801-04-04	7/16	7/16
6801-04-05	7/16	1/2
6801-04-06	7/16	9/16
6801-04-08	7/16	3/4
6801-05-04	1/2	7/16
6801-05-05	1/2	1/2
6801-05-06	1/2	9/16
6801-06-04	9/16	7/16
6801-06-05	9/16	1/2
6801-06-06	9/16	9/16
6801-06-08	9/16	3/4
6801-06-10	9/16	7/8
6801-08-06	3/4	9/16
6801-08-08	3/4	3/4
6801-08-10	3/4	7/8
6801-08-12	3/4	1 1/16
6801-10-08	7/8	3/4
6801-10-10	7/8	7/8
6801-10-12	7/8	1 1/16
6801-12-08	1 1/16	3/4
6801-12-10	1 1/16	7/8

6801 - JIC x SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6801-12-12	1 1/16	1 1/16
6801-12-12L	1 1/16	1 1/16
6801-12-12LL	1 1/16	1 1/16
6801-12-16	1 1/16	1 5/16
6801-16-12	1 5/16	1 1/16
6801-16-16	1 5/16	1 5/16
6801-16-20	1 5/16	1 5/8
6801-20-16	1 5/8	1 5/16
6801-20-20	1 5/8	1 5/8
6801-20-24	1 5/8	1 7/8
6801-24-20	1 7/8	1 5/8
6801-24-24	1 7/8	1 7/8
6801-32-32	2 1/2	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

101 / FF2501 - ORFS x NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2501-04-02 / FF2501-04-04 / FF2501-04-06 / FF2501-06-02 / FF2501-06-04 / FF2501-06-06 / FF2501-06-08 / FF2501-08-06 / FF2501-08-08 / FF2501-08-12 / FF2501-12-08 / FF2501-12-12 / FF2501-12-16 / FF2501-16-12 / FF2501-16-16

FF2501 - ORFS x NPT

Part code	ORFS thread designation (inch-TPI designation)	NPT nominal thread size
FF2501-04-02	9/16-18	1/8
FF2501-04-04	9/16-18	1/4
FF2501-04-06	9/16-18	3/8
FF2501-06-02	Confirm	1/8
FF2501-06-04	Confirm	1/4
FF2501-06-06	Confirm	3/8
FF2501-06-08	Confirm	1/2
FF2501-08-06	Confirm	3/8
FF2501-08-08	Confirm	1/2
FF2501-08-12	Confirm	3/4
FF2501-12-08	1 3/16-12	1/2
FF2501-12-12	1 3/16-12	3/4
FF2501-12-16	1 3/16-12	1
FF2501-16-12	1 7/16-12	3/4
FF2501-16-16	1 7/16-12	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

102 / FF6801 - ORFS x SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6801-04-04 / FF6801-06-04 / FF6801-06-06 / FF6801-06-08 / FF6801-06-10 / FF6801-08-06 / FF6801-08-08 / FF6801-08-10 / FF6801-08-12 / FF6801-10-08 / FF6801-10-10 / FF6801-10-12 / FF6801-12-08 / FF6801-12-10 / FF6801-12-12 / FF6801-12-16 / FF6801-16-12 / FF6801-16-16

FF6801 - ORFS x SAE O' RING

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6801-04-04	9/16-18	7/16
FF6801-06-04	Confirm	7/16
FF6801-06-06	Confirm	9/16
FF6801-06-08	Confirm	3/4
FF6801-08-06	Confirm	9/16
FF6801-08-08	Confirm	3/4
FF6801-08-12	Confirm	1 1/16
FF6801-10-08	1-14	3/4
FF6801-10-10	1-14	7/8
FF6801-10-12	1-14	1 1/16
FF6801-12-08	1 3/16-12	3/4

FF6801 - ORFS x SAE O' RING

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6801-12-10	1 3/16-12	Confirm
FF6801-12-12	1 3/16-12	1 1/16
FF6801-12-16	1 3/16-12	1 5/16
FF6801-16-12	1 7/16-12	1 1/16
FF6801-16-16	1 7/16-12	1 5/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

103 / FFC40XS - ORFS x BSP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FFC40XS-04-04 / FFC40XS-06-04 / FFC40XS-06-06 / FFC40XS-06-08 / FFC40XS-08-06 / FFC40XS-08-08 / FFC40XS-08-12 / FFC40XS-12-08 / FFC40XS-12-12 / FFC40XS-16-16

FFC40XS - ORFS x BSP

Part code	ORFS thread designation (inch-TPI designation)	BSP nominal thread size
FFC40XS-06-04	Confirm	1/4
FFC40XS-06-06	Confirm	3/8
FFC40XS-06-08	Confirm	1/2

FFC40XS - ORFS x BSP

Part code	ORFS thread designation (inch-TPI designation)	BSP nominal thread size
FFC40XS-08-06	Confirm	3/8
FFC40XS-08-08	Confirm	1/2
FFC40XS-08-12	Confirm	3/4
FFC40XS-12-08	1 3/16-12	1/2
FFC40XS-12-12	1 3/16-12	3/4
FFC40XS-16-16	1 7/16-12	1
FFC40XS-04-04	9/16-18	1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

104 / 2503 - JIC x NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2503-04-02 / 2503-04-04 / 2503-04-06 / 2503-05-02 / 2503-05-04 / 2503-06-02 / 2503-06-04 / 2503-06-06 / 2503-06-08 / 2503-08-04 / 2503-08-06 / 2503-08-08 / 2503-08-12 / 2503-10-06 / 2503-10-08 / 2503-10-12 / 2503-12-08 / 2503-12-12 / 2503-12-16 / 2503-16-12 / 2503-16-16 / 2503-16-20 / 2503-20-16 / 2503-20-20 / 2503-24-24 / 2503-32-32

2503 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2503-04-02	7/16	1/8

2503 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2503-04-04	7/16	1/4
2503-04-06	7/16	3/8
2503-05-02	1/2	1/8
2503-05-04	1/2	1/4
2503-06-02	9/16	1/8
2503-06-04	9/16	1/4
2503-06-06	9/16	3/8
2503-06-08	9/16	1/2
2503-08-04	3/4	1/4
2503-08-06	3/4	3/8
2503-08-08	3/4	1/2
2503-08-12	3/4	3/4
2503-10-06	7/8	3/8
2503-10-08	7/8	1/2
2503-10-12	7/8	3/4
2503-12-08	1 1/16	1/2
2503-12-12	1 1/16	3/4
2503-12-16	1 1/16	1
2503-16-12	1 5/16	3/4
2503-16-16	1 5/16	1
2503-16-20	1 5/16	1 1/4

2503 - JIC x NPT

Part code	JIC nominal thread size	NPT nominal thread size
2503-20-16	1 5/8	1
2503-20-20	1 5/8	1 1/4
2503-24-24	1 7/8	1 1/2
2503-32-32	2 1/2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

105 / 6802 - JIC x SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6802-04-04 / 6802-05-05 / 6802-06-04 / 6802-06-06 / 6802-06-08 / 6802-08-06 / 6802-08-08 / 6802-08-10 / 6802-08-12 / 6802-10-08 / 6802-10-10 / 6802-10-12 / 6802-12-08 / 6802-12-10 / 6802-12-12 / 6802-12-16 / 6802-16-16 / 6802-20-20 / 6802-24-24

6802 - JIC x SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6802-04-04	7/16	7/16
6802-05-05	1/2	1/2
6802-06-04	9/16	7/16
6802-06-06	9/16	9/16

6802 - JIC x SAE O' RING

Part code	JIC nominal thread size	SAE nominal thread size
6802-06-08	9/16	3/4
6802-08-06	3/4	9/16
6802-08-08	3/4	3/4
6802-08-10	3/4	7/8
6802-08-12	3/4	1 1/16
6802-10-08	7/8	3/4
6802-10-10	7/8	7/8
6802-10-12	7/8	1 1/16
6802-12-08	1 1/16	3/4
6802-12-10	1 1/16	7/8
6802-12-12	1 1/16	1 1/16
6802-12-16	1 1/16	1 5/16
6802-16-16	1 5/16	1 5/16
6802-20-20	1 5/8	1 5/8
6802-24-24	1 7/8	1 7/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

106 / FF6802 - ORFS x SAE O' RING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6802-04-04 / FF6802-06-06 / FF6802-06-08 / FF6802-08-08 / FF6802-10-10 / FF6802-12-12 / FF6802-16-16

FF6802 - ORFS x SAE O' RING

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6802-04-04	9/16-18	7/16
FF6802-06-06	Confirm	9/16
FF6802-06-08	Confirm	3/4
FF6802-08-08	Confirm	3/4
FF6802-10-10	1-14	7/8
FF6802-12-12	1 3/16-12	1 1/16
FF6802-16-16	1 7/16-12	1 5/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

107 / 2601 - JIC/NPT BRANCH TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2601-04-04-04 / 2601-06-06-04 / 2601-06-06-06 / 2601-08-08-06 / 2601-08-08-08 / 2601-12-12-12 / 2601-16-16-16

2601 - JIC/NPT BRANCH TEE

Part code	JIC nominal thread size	NPT nominal thread size
2601-04-04-04	7/16	1/4
2601-06-06-04	9/16	1/4
2601-06-06-06	9/16	3/8
2601-08-08-06	3/4	3/8
2601-08-08-08	3/4	1/2
2601-12-12-12	1 1/16	3/4
2601-16-16-16	1 5/16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

108 / 2605 - JIC/NPT RUN TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2605-04-04-04 / 2605-06-06-04 / 2605-06-06-06 / 2605-08-08-06 / 2605-08-08-08 / 2605-12-12-12 / 2605-16-16-16

2605 - JIC/NPT RUN TEE

Part code	JIC nominal thread size	NPT nominal thread size
2605-04-04-04	7/16	1/4
2605-06-06-04	9/16	1/4
2605-06-06-06	9/16	3/8
2605-08-08-06	3/4	3/8
2605-08-08-08	3/4	1/2

2605 - JIC/NPT RUN TEE

Part code	JIC nominal thread size	NPT nominal thread size
2605-12-12-12	1 1/16	3/4
2605-16-16-16	1 5/16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

109 / 2603 - JIC MALE TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2603-04-04-04 / 2603-05-05-05 / 2603-06-06-06 / 2603-08-08-08 / 2603-10-10-10 / 2603-12-12-12 / 2603-16-16-16 / 2603-20-20-20

2603 - JIC MALE TEE

Part code	JIC nominal thread size
2603-04-04-04	7/16
2603-06-06-06	9/16
2603-08-08-08	3/4
2603-10-10-10	7/8
2603-12-12-12	1 1/16
2603-16-16-16	1 5/16
2603-20-20-20	1 5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

110 / FF6803 - ORFS/SAE BRANCH T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6803-04-04-04 / FF6803-06-06-06 / FF6803-08-08-08 / FF6803-12-12-12

FF6803 - ORFS/SAE BRANCH T

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6803-04-04-04	9/16-18	7/16
FF6803-06-06-06	Confirm	9/16
FF6803-08-08-08	Confirm	3/4
FF6803-12-12-12	1 3/16-12	1 1/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

111 / FF6804 - ORFS/SAE RUN TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6804-04-04-04 / FF6804-06-06-06 / FF6804-08-08-08 / FF6804-12-12-12 / FF6804-16-16-16

FF6804 - ORFS/SAE RUN TEE

Part code	ORFS thread designation (inch-TPI designation)	SAE nominal thread size
FF6804-04-04-04	9/16-18	7/16
FF6804-06-06-06	Confirm	9/16
FF6804-08-08-08	Confirm	3/4
FF6804-12-12-12	1 3/16-12	1 1/16
FF6804-16-16-16	1 7/16-12	1 5/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

112 / BHB - BSP STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: BHB-04 / BHB-06 / BHB-08 / BHB-10 / BHB-12 / BHB-16 / BHB-20

BHB - BSP STRAIGHT

Part code	BSP nominal thread size
BHB-04	1/4
BHB-06	3/8
BHB-08	1/2
BHB-10	5/8
BHB-12	3/4
BHB-16	1
BHB-20	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

113 / 2700 - JIC STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2700-04-04 / 2700-05-05 / 2700-06-06 / 2700-08-08 / 2700-10-10 / 2700-12-12 / 2700-16-16 / 2700-20-20 / 2700-24-24

2700 - JIC STRAIGHT

Part code	JIC nominal thread size
2700-04-04	7/16
2700-05-05	1/2
2700-06-06	9/16
2700-08-08	3/4
2700-10-10	7/8
2700-12-12	1 1/16
2700-16-16	1 5/16
2700-20-20	1 5/8
2700-24-24	1 7/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

114 / 2701 - JIC 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2701-04-04 / 2701-05-05 / 2701-06-06 / 2701-08-08 / 2701-10-10 / 2701-12-12 / 2701-16-16 / 2701-20-20

2701 - JIC 90°

Part code	JIC nominal thread size
2701-04-04	7/16
2701-05-05	1/2
2701-06-06	9/16
2701-08-08	3/4
2701-10-10	7/8
2701-12-12	1 1/16
2701-16-16	1 5/16
2701-20-20	1 5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

115 / FF2700 - ORFS STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2700-04-04 / FF2700-06-06 / FF2700-08-08 / FF2700-10-10 / FF2700-12-12 / FF2700-16-16

FF2700 - ORFS STRAIGHT

Part code	ORFS thread designation (inch-TPI designation)
FF2700-04-04	9/16-18
FF2700-10-10	1-14
FF2700-12-12	1 3/16-12
FF2700-16-16	1 7/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

116 / FF2701 - ORFS 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2701-04-04 / FF2701-06-06 / FF2701-08-08 / FF2701-10-10 / FF2701-12-12 / FF2701-16-16

FF2701 - ORFS 90°

Part code	ORFS thread designation (inch-TPI designation)
FF2701-04-04	9/16-18
FF2701-10-10	1-14
FF2701-12-12	1 3/16-12

FF2701 - ORFS 90°

Part code	ORFS thread designation (inch-TPI designation)
FF2701-16-16	1 7/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

117 / HPB - BSP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: HPB-02 / HPB-04 / HPB-06 / HPB-08 / HPB-10 / HPB-12 / HPB-16 / HPB-20 / HPB-24 / HPB-32

HPB - BSP

Part code	BSP nominal thread size
HPB-02	1/8
HPB-04	1/4
HPB-06	3/8
HPB-08	1/2
HPB-10	5/8
HPB-12	3/4
HPB-16	1

HPB - BSP

Part code	BSP nominal thread size
HPB-20	1 1/4
HPB-24	1 1/2
HPB-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

118 / 2408 - JIC

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2408-04 / 2408-05 / 2408-06 / 2408-08 / 2408-10 / 2408-12 / 2408-16 / 2408-20 / 2408-24 / 2408-32

2408 - JIC

Part code	JIC nominal thread size
2408-04	7/16
2408-05	1/2
2408-06	9/16
2408-08	3/4
2408-10	7/8
2408-12	1 1/16
2408-16	1 5/16
2408-20	1 5/8
2408-24	1 7/8

2408 - JIC

Part code	JIC nominal thread size
2408-32	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

119 / 5406P - NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5406P-02 / 5406P-04 / 5406P-06 / 5406P-08 / 5406P-12 / 5406P-16 / 5406P-20 / 5406P-24 / 5406P-32

5406P - NPT

Part code	NPT nominal thread size
5406P-02	1/8
5406P-04	1/4
5406P-06	3/8
5406P-08	1/2
5406P-12	3/4
5406P-16	1
5406P-20	1 1/4
5406P-24	1 1/2
5406P-32	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

120 / FF2408 - ORFS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2408-04 / FF2408-06 / FF2408-08 / FF2408-10 / FF2408-12 / FF2408-16 / FF2408-20 / FF2408-24

FF2408 - ORFS

Part code	ORFS thread designation (inch-TPI designation)
FF2408-04	9/16-18
FF2408-10	1-14
FF2408-12	1 3/16-12
FF2408-16	1 7/16-12
FF2408-20	1 11/16-12
FF2408-24	2-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

121 / 6408P - SAE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6408P-04 / 6408P-05 / 6408P-06 / 6408P-08 / 6408P-10 / 6408P-12 / 6408P-16 / 6408P-20 / 6408P-24

6408P - SAE

Part code	SAE nominal thread size
6408P-04	7/16
6408P-05	1/2

6408P - SAE

Part code	SAE nominal thread size
6408P-06	9/16
6408P-08	3/4
6408P-10	7/8
6408P-12	1 1/16
6408P-16	1 5/16
6408P-20	1 5/8
6408P-24	1 7/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

122 / 6409 - SAE ALLEN KEY

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6409-04 / 6409-06 / 6409-08 / 6409-10 / 6409-12 / 6409-16

6409 - SAE ALLEN KEY

Part code	SAE nominal thread size
6409-04	7/16
6409-06	9/16
6409-08	3/4
6409-10	7/8
6409-12	1 1/16

6409 - SAE ALLEN KEY

Part code	SAE nominal thread size
6409-16	1 5/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

123 / 1404B - BSP M x BSP F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 1404B-04-04 / 1404B-06-06 / 1404B-08-08 / 1404B-12-12

1404B - BSP M x BSP F SWIVEL

Part code	BSP M nominal thread size	BSP F nominal thread size
1404B-04-04	1/4	1/4
1404B-06-06	3/8	3/8
1404B-08-08	1/2	1/2
1404B-12-12	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

124 / 6504 - JIC M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6504-04-04 / 6504-06-06 / 6504-08-08 / 6504-10-10 / 6504-12-12 / 6504-16-16 / 6504-20-20

6504 - JIC M x JIC F SWIVEL

Part code	JIC M nominal thread size	JIC F nominal thread size
6504-04-04	7/16	7/16
6504-06-06	9/16	9/16
6504-08-08	3/4	3/4
6504-10-10	7/8	7/8
6504-12-12	1 1/16	1 1/16
6504-16-16	1 5/16	1 5/16
6504-20-20	1 5/8	1 5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

125 / 2405 - JIC Male x NPT Female Fixed

2405 - JIC Male x NPT Female Fixed configurations selected for the operating duty and connection.

Application: Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2405-04-04 / 2405-06-04 / 2405-06-06 / 2405-08-06 / 2405-08-08 / 2405-12-12 / 2405-16-16

2405 - JIC M x NPT M FIXED

Part code	JIC M nominal thread size	NPT F nominal thread size
2405-04-04	7/16	1/4
2405-06-04	9/16	1/4
2405-06-06	9/16	3/8
2405-08-06	3/4	3/8
2405-08-08	3/4	1/2
2405-12-12	1 1/16	3/4
2405-16-16	1 5/16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

126 / 6505 - NPT M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6505-04-04 / 6505-04-06 / 6505-06-04 / 6505-06-06 / 6505-08-08 / 6505-12-12 / 6505-16-16 / 6505-20-20

6505 - NPT M x JIC F SWIVEL

Part code	JIC F nominal thread size	NPT M nominal thread size
6505-04-04	7/16	1/4

6505 - NPT M x JIC F SWIVEL

Part code	JIC F nominal thread size	NPT M nominal thread size
6505-04-06	7/16	3/8
6505-06-04	9/16	1/4
6505-06-06	9/16	3/8
6505-08-08	3/4	1/2
6505-12-12	1 1/16	3/4
6505-16-16	1 5/16	1
6505-20-20	1 5/8	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

127 / 1404 - NPT M x NPT F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 1404-02-02 / 1404-02-04 / 1404-04-02 / 1404-04-04 / 1404-04-06 / 1404-06-04 / 1404-06-06 / 1404-06-08 / 1404-08-04 / 1404-08-06 / 1404-08-08 / 1404-08-12 / 1404-12-08 / 1404-12-12 / 1404-12-16 / 1404-16-12 / 1404-16-16 / 1404-16-20 / 1404-20-20 / 1404-20-24 / 1404-24-24 / 1404-32-32

1404 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1404-02-02	1/8	1/8

1404 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1404-02-04	1/8	1/4
1404-04-02	1/4	1/8
1404-04-04	1/4	1/4
1404-04-06	1/4	3/8
1404-06-04	3/8	1/4
1404-06-06	3/8	3/8
1404-06-08	3/8	1/2
1404-08-04	1/2	1/4
1404-08-06	1/2	3/8
1404-08-08	1/2	1/2
1404-08-12	1/2	3/4
1404-12-08	3/4	1/2
1404-12-12	3/4	3/4
1404-12-16	3/4	1
1404-16-12	1	3/4
1404-16-16	1	1
1404-16-20	1	1 1/4
1404-20-20	1 1/4	1 1/4
1404-20-24	1 1/4	1 1/2
1404-24-24	1 1/2	1 1/2
1404-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

128 / 5405 - NPT M x NPT F FIXED

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5405-02-04 / 5405-04-04 / 5405-04-06 / 5405-06-08 / 5405-08-04 / 5405-08-06 / 5405-08-08 / 5405-12-08 / 5405-12-12

5405 - NPT M x NPT F FIXED

Part code	NPT M nominal thread size	NPT F nominal thread size
5405-02-04	1/8	1/4
5405-04-04	1/4	1/4
5405-04-06	1/4	3/8
5405-06-08	3/8	1/2
5405-08-04	1/2	1/4
5405-08-06	1/2	3/8
5405-08-08	1/2	1/2
5405-12-08	3/4	1/2
5405-12-12	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

129 / 6505B - BSP M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6505B-04-04 / 6505B-06-06 / 6505B-08-08 / 6505B-10-10 / 6505B-12-12 / 6505B-16-16 / 6505B-20-20

6505B - BSP M x JIC F SWIVEL

Part code	JIC F nominal thread size	BSP M nominal thread size
6505B-04-04	7/16	1/4
6505B-06-06	9/16	3/8
6505B-08-08	3/4	1/2
6505B-10-10	7/8	5/8
6505B-12-12	1 1/16	3/4
6505B-16-16	1 5/16	1
6505B-20-20	1 5/8	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

130 / 1501 - NPT M x NPT F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 1501-02-02 / 1501-02-04 / 1501-04-02 / 1501-04-04 / 1501-04-06 / 1501-06-04 / 1501-06-06 / 1501-06-08 / 1501-08-06 / 1501-08-08 / 1501-08-12 / 1501-12-08 / 1501-12-12 / 1501-12-16 / 1501-16-12 / 1501-16-16 / 1501-16-20 / 1501-20-16 / 1501-20-20 / 1501-24-24 / 1501-32-32

1501 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1501-02-02	1/8	1/8
1501-02-04	1/8	1/4
1501-04-02	1/4	Confirm
1501-04-04	1/4	1/4
1501-04-06	1/4	3/8
1501-06-04	3/8	1/4
1501-06-06	3/8	3/8
1501-06-08	3/8	1/2
1501-08-06	1/2	3/8
1501-08-08	1/2	1/2
1501-08-12	1/2	3/4
1501-12-08	3/4	1/2
1501-12-12	3/4	3/4
1501-12-16	3/4	1

1501 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1501-16-12	1	3/4
1501-16-16	1	1
1501-16-20	1	1 1/4
1501-20-16	1 1/4	1
1501-20-20	1 1/4	1 1/4
1501-24-24	1 1/2	1 1/2
1501-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

131 / 5502 - NPT M x NPT F FIXED

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5502-02-02 / 5502-04-04 / 5502-06-06 / 5502-08-08 / 5502-12-12 / 5502-16-16 / 5502-20-20 / 5502-24-24 / 5502-32-32

5502 - NPT M x NPT F FIXED

Part code	NPT M nominal thread size	NPT F nominal thread size
5502-02-02	1/8	1/8

5502 - NPT M x NPT F FIXED

Part code	NPT M nominal thread size	NPT F nominal thread size
5502-04-04	1/4	1/4
5502-06-06	3/8	3/8
5502-08-08	1/2	1/2
5502-12-12	3/4	3/4
5502-16-16	1	1
5502-20-20	1 1/4	1 1/4
5502-24-24	1 1/2	1 1/2
5502-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

132 / 2502 - JIC M x NPT F FIXED

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2502-04-04 / 2502-06-06 / 2502-08-08 / 2502-12-12 / 2502-16-16

2502 - JIC M x NPT F FIXED

Part code	JIC M nominal thread size	NPT F nominal thread size
2502-04-04	7/16	1/4
2502-06-06	9/16	3/8
2502-08-08	3/4	1/2
2502-12-12	1 1/16	3/4
2502-16-16	1 5/16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

133 / 6501 - NPT M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6501-04-04 / 6501-04-06 / 6501-06-06 / 6501-08-08 / 6501-12-12 / 6501-16-16 / 6501-20-20

6501 - NPT M x JIC F SWIVEL

Part code	JIC F nominal thread size	NPT M nominal thread size
6501-04-04	7/16	1/4
6501-04-06	7/16	3/8
6501-06-06	9/16	3/8

6501 - NPT M x JIC F SWIVEL

Part code	JIC F nominal thread size	NPT M nominal thread size
6501-08-08	3/4	1/2
6501-12-12	1 1/16	3/4
6501-16-16	1 5/16	1
6501-20-20	1 5/8	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

134 / 6500 - JIC M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6500-04-04 / 6500-05-05 / 6500-06-06 / 6500-08-08 / 6500-10-10 / 6500-12-08 / 6500-12-12 / 6500-16-16 / 6500-20-20 / 6500-24-24 / 6500-32-32

6500 - JIC M x JIC F SWIVEL

Part code	JIC M nominal thread size	JIC F nominal thread size
6500-04-04	7/16	7/16
6500-05-05	1/2	1/2
6500-06-06	9/16	9/16
6500-08-08	3/4	3/4

6500 - JIC M x JIC F SWIVEL

Part code	JIC M nominal thread size	JIC F nominal thread size
6500-10-10	7/8	7/8
6500-12-08	1 1/16	3/4
6500-12-12	1 1/16	1 1/16
6500-16-16	1 5/16	1 5/16
6500-20-20	1 5/8	1 5/8
6500-24-24	1 7/8	1 7/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

135 / FF6500 - ORFS M x ORFS F SW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6500-04-04 / FF6500-06-06 / FF6500-08-08 / FF6500-10-10 / FF6500-12-12 / FF6500-16-16

FF6500 - ORFS M x ORFS F SW

Part code	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF6500-10-10	1-14	1-14
FF6500-12-12	1 3/16-12	1 3/16-12

FF6500 - ORFS M x ORFS F SW

Part code	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF6500-16-16	1 7/16-12	1 7/16-12
FF6500-04-04	9/16-18	9/16-18

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

136 / 1503 - NPT M x NPT F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 1503-02-02 / 1503-04-04 / 1503-06-06 / 1503-08-06 / 1503-08-08 / 1503-12-08 / 1503-12-12 / 1503-16-12 / 1503-16-16 / 1503-20-20 / 1503-24-24 / 1503-32-32

1503 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1503-02-02	1/8	1/8
1503-04-04	1/4	1/4
1503-06-06	3/8	3/8
1503-08-06	1/2	3/8
1503-08-08	1/2	1/2
1503-12-08	3/4	1/2

1503 - NPT M x NPT F SWIVEL

Part code	NPT M nominal thread size	NPT F nominal thread size
1503-12-12	3/4	3/4
1503-16-12	1	3/4
1503-16-16	1	1
1503-20-20	1 1/4	1 1/4
1503-24-24	1 1/2	1 1/2
1503-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

137 / 6502 - JIC M x JIC F SWIVEL

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6502-04-04 / 6502-05-05 / 6502-06-06 / 6502-08-08 / 6502-10-10 / 6502-12-12 / 6502-16-16 / 6502-20-20 / 6502-24-24 / 6502-32-32

6502 - JIC M x JIC F SWIVEL

Part code	JIC M nominal thread size	JIC F nominal thread size
6502-04-04	7/16	7/16
6502-05-05	1/2	1/2

6502 - JIC M x JIC F SWIVEL

Part code	JIC M nominal thread size	JIC F nominal thread size
6502-06-06	9/16	9/16
6502-08-08	3/4	3/4
6502-10-10	7/8	7/8
6502-12-12	1 1/16	1 1/16
6502-16-16	1 5/16	1 5/16
6502-20-20	1 5/8	1 5/8
6502-24-24	1 7/8	1 7/8
6502-32-32	2 1/2	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

138 / FF6502 - ORFS M x ORFS F

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6502-04-04 / FF6502-06-06 / FF6502-08-08 / FF6502-10-10 / FF6502-12-12 / FF6502-16-16

FF6502 - ORFS M x ORFS F

Part code	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF6502-10-10	1-14	1-14
FF6502-12-12	1 3/16-12	1 3/16-12
FF6502-16-16	1 7/16-12	1 7/16-12
FF6502-04-04	9/16-18	9/16-18

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	45

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

139 / 5602 - NPT RUN T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5602-02-02-02 / 5602-04-04-04 / 5602-06-06-06 / 5602-08-08-08 / 5602-12-12-12 / 5602-16-16-16 / 5602-20-20-20 / 5602-24-24-24

5602 - NPT RUN T

Part code	NPT F nominal thread size	NPT F nominal thread size	NPT M nominal thread size
5602-02-02-02	1/8	1/8	1/8
5602-04-04-04	1/4	1/4	1/4
5602-06-06-06	3/8	3/8	3/8
5602-08-08-08	1/2	1/2	1/2

5602 - NPT RUN T

Part code	NPT F nominal thread size	NPT F nominal thread size	NPT M nominal thread size
5602-12-12-12	3/4	3/4	3/4
5602-16-16-16	1	1	1
5602-20-20-20	1 1/4	1 1/4	1 1/4
5602-24-24-24	1 1/2	1 1/2	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

140 / 5604 - NPT BRANCH T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5604-02-02-02 / 5604-04-04-04 / 5604-06-06-06 / 5604-08-08-08 / 5604-12-12-12 / 5604-16-16-16 / 5604-20-20-20

5604 - NPT BRANCH T

Part code	NPT F nominal thread size	NPT F nominal thread size	NPT M nominal thread size
5604-02-02-02	1/8	1/8	1/8
5604-04-04-04	1/4	1/4	1/4
5604-06-06-06	3/8	3/8	3/8
5604-08-08-08	1/2	1/2	1/2
5604-12-12-12	3/4	3/4	3/4
5604-16-16-16	1	1	1
5604-20-20-20	1 1/4	1 1/4	1 1/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

141 / 6602 - JIC RUN T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6602-04-04-04 / 6602-05-05-05 / 6602-06-06-06 / 6602-08-08-08 / 6602-10-10-10 / 6602-12-12-12 / 6602-16-16-16 / 6602-20-20-20 / 6602-24-24-24

6602 - JIC RUN T

Part code	JIC F nominal thread size	JIC M nominal thread size	JIC M nominal thread size
6602-04-04-04	7/16	7/16	7/16
6602-06-06-06	9/16	9/16	9/16
6602-08-08-08	3/4	3/4	3/4
6602-10-10-10	7/8	7/8	7/8
6602-12-12-12	1 1/16	1 1/16	1 1/16
6602-16-16-16	1 5/16	1 5/16	1 5/16
6602-20-20-20	1 5/8	1 5/8	1 5/8
6602-24-24-24	1 7/8	1 7/8	1 7/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

142 / 6600 - JIC BRANCH T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6600-04-04-04 / 6600-05-05-05 / 6600-06-06-06 / 6600-08-08-08 / 6600-10-10-10 / 6600-12-12-12 / 6600-16-16-16 / 6600-20-20-20

6600 - JIC BRANCH T

Part code	JIC M nominal thread size	JIC M nominal thread size	JIC F nominal thread size
6600-06-06-06	9/16	9/16	9/16
6600-08-08-08	3/4	3/4	3/4
6600-10-10-10	7/8	7/8	7/8
6600-12-12-12	1 1/16	1 1/16	1 1/16
6600-16-16-16	1 5/16	1 5/16	1 5/16
6600-20-20-20	1 5/8	1 5/8	1 5/8
6600-04-04-04	7/16	7/16	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

143 / FF6602 - ORFS RUN T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6602-04-04-04 / FF6602-06-06-06 / FF6602-08-08-08 / FF6602-10-10-10 / FF6602-12-12-12 / FF6602-16-16-16

FF6602 - ORFS RUN T

Part code	ORFS M thread designation (inch-TPI designation)	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF6602-04-04-04	9/16-18	9/16-18	9/16-18
FF6602-10-10-10	1-14	1-14	1-14
FF6602-12-12-12	1 3/16-12	1 3/16-12	1 3/16-12
FF6602-16-16-16	1 7/16-12	1 7/16-12	1 7/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

144 / FF6600 - ORFS BRANCH T

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF6600-04-04-04 / FF6600-06-06-06 / FF6600-08-08-08 / FF6600-10-10-10 / FF6600-12-12-12 / FF6600-16-16-16

[FF6600 - ORFS BRANCH T](#)

Part code	ORFS M thread designation (inch-TPI designation)	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF6600-04-04-04	9/16-18	9/16-18	9/16-18
FF6600-10-10-10	1-14	1-14	1-14
FF6600-12-12-12	1 3/16-12	1 3/16-12	1 3/16-12
FF6600-16-16-16	1 7/16-12	1 7/16-12	1 7/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

145 / 5406 - NPT MALE/FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5406-04-02 / 5406-06-02 / 5406-06-04 / 5406-08-02 / 5406-08-04 / 5406-08-06 / 5406-12-04 / 5406-12-06 / 5406-12-08 / 5406-16-04 / 5406-16-06 / 5406-16-08 / 5406-16-12 / 5406-20-08 / 5406-20-12 / 5406-20-16 / 5406-24-12 / 5406-24-16 / 5406-24-20 / 5406-32-16 / 5406-32-20 / 5406-32-24

[5406 - NPT MALE/FEMALE](#)

Part code	NPT M nominal thread size	NPT F nominal thread size
5406-04-02	1/4	1/8
5406-06-02	3/8	1/8

5406 - NPT MALE/FEMALE

Part code	NPT M nominal thread size	NPT F nominal thread size
5406-06-04	3/8	1/4
5406-08-02	1/2	1/8
5406-08-04	1/2	1/4
5406-08-06	1/2	3/8
5406-12-04	3/4	1/4
5406-12-06	3/4	3/8
5406-12-08	3/4	1/2
5406-16-04	1	1/4
5406-16-06	1	3/8
5406-16-08	1	1/2
5406-16-12	1	3/4
5406-20-08	1 1/4	1/2
5406-20-12	1 1/4	3/4
5406-20-16	1 1/4	1
5406-24-12	1 1/2	3/4
5406-24-16	1 1/2	1
5406-24-20	1 1/2	1 1/4
5406-32-16	2	1
5406-32-20	2	1 1/4
5406-32-24	2	1 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

146 / 2406 - JIC MALE/FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 2406-06-04 / 2406-08-04 / 2406-08-06 / 2406-08-10 / 2406-10-06 / 2406-10-08 / 2406-10-12 / 2406-12-04 / 2406-12-06 / 2406-12-08 / 2406-12-10 / 2406-16-06 / 2406-16-08 / 2406-16-12 / 2406-20-16 / 2406-24-20

2406 - JIC MALE/FEMALE

Part code	JIC M nominal thread size	JIC F nominal thread size
2406-06-04	9/16	7/16
2406-08-04	3/4	7/16
2406-08-06	3/4	9/16
2406-08-10	3/4	7/8
2406-10-06	7/8	9/16
2406-10-08	7/8	3/4
2406-10-12	7/8	1 1/16
2406-12-04	1 1/16	7/16
2406-12-06	1 1/16	9/16
2406-12-08	1 1/16	3/4
2406-12-10	1 1/16	7/8
2406-16-06	1 5/16	9/16
2406-16-08	1 5/16	3/4
2406-16-12	1 5/16	1 1/16
2406-20-16	1 5/8	1 5/16

2406 - JIC MALE/FEMALE

Part code	JIC M nominal thread size	JIC F nominal thread size
2406-24-20	1 7/8	1 5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

147 / FF2406 - ORFS MALE/FEMALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF2406-06-04 / FF2406-08-04 / FF2406-08-06 / FF2406-12-08 / FF2406-12-10 / FF2406-16-08 / FF2406-16-12 / FF2406-20-16

FF2406 - ORFS MALE/FEMALE

Part code	ORFS M thread designation (inch-TPI designation)	ORFS F thread designation (inch-TPI designation)
FF2406-06-04	Confirm	9/16-18
FF2406-08-04	Confirm	9/16-18
FF2406-12-08	1 3/16-12	Confirm
FF2406-12-10	1 3/16-12	1-14
FF2406-16-08	1 7/16-12	Confirm
FF2406-16-12	1 7/16-12	1 3/16-12
FF2406-20-16	1 11/16-12	1 7/16-12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

148 / 6565 - JIC x JIC

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6565-04-04 / 6565-06-06 / 6565-08-08 / 6565-12-12

6565 - JIC x JIC

Part code	JIC F nominal thread size	JIC F nominal thread size
6565-04-04	7/16	7/16
6565-06-06	9/16	9/16
6565-08-08	3/4	3/4
6565-12-12	1 1/16	1 1/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

149 / 6506 - JIC x NPT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 6506-04-04 / 6506-06-04 / 6506-06-06 / 6506-08-06 / 6506-08-08 / 6506-12-12 / 6506-12-16 / 6506-16-16

6506 - JIC x NPT

Part code	JIC F nominal thread size	NPT F nominal thread size
6506-04-04	7/16	1/4
6506-06-04	9/16	1/4
6506-06-06	9/16	3/8
6506-08-06	3/4	3/8
6506-08-08	3/4	1/2

6506 - JIC x NPT

Part code	JIC F nominal thread size	NPT F nominal thread size
6506-12-12	1 1/16	3/4
6506-12-16	1 1/16	1
6506-16-16	1 5/16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

150 / 5000B - BSP STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5000B-04-04 / 5000B-06-06 / 5000B-08-08 / 5000B-12-12 / 5000B-16-16

5000B - BSP STRAIGHT

Part code	BSP F nominal thread size	BSP F nominal thread size
5000B-04-04	1/4	1/4
5000B-06-06	3/8	3/8
5000B-08-08	1/2	1/2
5000B-12-12	3/4	3/4
5000B-16-16	1	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

151 / 5605B - BSP T PIECE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5605B-02-02-02 / 5605B-04-04-04 / 5605B-06-06-06 / 5605B-08-08-08

5605B - BSP T PIECE

Part code	BSP F nominal thread size	BSP F nominal thread size	BSP F nominal thread size
5605B-02-02-02	1/8	1/8	1/8
5605B-04-04-04	1/4	1/4	1/4
5605B-06-06-06	3/8	3/8	3/8
5605B-08-08-08	1/2	1/2	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

152 / 5000 - NPT - STRAIGHT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5000-02-02 / 5000-04-02 / 5000-04-04 / 5000-06-04 / 5000-06-06 / 5000-08-04 / 5000-08-06 / 5000-08-08 / 5000-12-08 / 5000-12-12 / 5000-16-08 / 5000-16-12 / 5000-16-16 / 5000-20-20 / 5000-24-24 / 5000-32-32

5000 - NPT - STRAIGHT

Part code	NPT F nominal thread size	NPT F nominal thread size
5000-02-02	1/8	1/8

5000 - NPT - STRAIGHT

Part code	NPT F nominal thread size	NPT F nominal thread size
5000-04-02	1/4	1/8
5000-04-04	1/4	1/4
5000-06-04	3/8	1/4
5000-06-06	3/8	3/8
5000-08-04	1/2	1/4
5000-08-06	1/2	3/8
5000-08-08	1/2	1/2
5000-12-08	3/4	1/2
5000-12-12	3/4	3/4
5000-16-08	1	1/2
5000-16-12	1	3/4
5000-16-16	1	1
5000-20-20	1 1/4	1 1/4
5000-24-24	1 1/2	1 1/2
5000-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting shape	Straight

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

153 / 5504 - NPT 90°

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5504-02-02 / 5504-04-04 / 5504-06-06 / 5504-08-08 / 5504-12-12 / 5504-16-16 / 5504-20-20 / 5504-24-24 / 5504-32-32

5504 - NPT 90°

Part code	NPT F nominal thread size	NPT F nominal thread size
5504-02-02	1/8	1/8
5504-04-04	1/4	1/4
5504-06-06	3/8	3/8
5504-08-08	1/2	1/2
5504-12-12	3/4	3/4
5504-16-16	1	1
5504-20-20	1 1/4	1 1/4
5504-24-24	1 1/2	1 1/2
5504-32-32	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Fitting bend angle (°)	90

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

154 / 5605 - NPT T PIECE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5605-02-02-02 / 5605-04-04-04 / 5605-06-06-06 / 5605-08-08-08 / 5605-12-12-12 / 5605-16-16-16 / 5605-20-20-20 / 5605-24-24-24 / 5605-32-32-32

5605 - NPT T PIECE

Part code	NPT F nominal thread size	NPT F nominal thread size	NPT F nominal thread size
5605-02-02-02	1/8	1/8	1/8
5605-04-04-04	1/4	1/4	1/4
5605-06-06-06	3/8	3/8	3/8
5605-08-08-08	1/2	1/2	1/2
5605-12-12-12	3/4	3/4	3/4
5605-16-16-16	1	1	1
5605-20-20-20	1 1/4	1 1/4	1 1/4
5605-24-24-24	1 1/2	1 1/2	1 1/2
5605-32-32-32	2	2	2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

155 / 5652 - NPT CROSS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 5652-02 / 5652-04 / 5652-06 / 5652-08 / 5652-12 / 5652-16

5652 - NPT CROSS

Part code	NPT F nominal thread size
5652-02	1/8
5652-04	1/4
5652-06	3/8
5652-08	1/2
5652-12	3/4
5652-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

156 / 304B - BSP CAP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 304B-04 / 304B-06 / 304B-08 / 304B-12 / 304B-16

304B - BSP CAP

Part code	BSP nominal thread size
304B-04	1/4
304B-06	3/8
304B-08	1/2
304B-12	3/4
304B-16	1

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

157 / 304C - JIC CAP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 304C-04 / 304C-05 / 304C-06 / 304C-08 / 304C-10 / 304C-12 / 304C-16 / 304C-20 / 304C-24 / 304C-32

304C - JIC CAP

Part code	JIC nominal thread size
304C-04	7/16
304C-06	9/16
304C-08	3/4
304C-10	7/8
304C-12	1 1/16
304C-16	1 5/16
304C-20	1 5/8
304C-24	1 7/8
304C-32	2 1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

158 / FF304C - ORFS CAP

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: FF304C-04 / FF304C-06 / FF304C-08 / FF304C-10 / FF304C-12 / FF304C-16 / FF304C-20 / FF304C-24

FF304C - ORFS CAP

Part code	ORFS thread designation (inch-TPI designation)
FF304C-10	1-14
FF304C-12	1 3/16-12
FF304C-16	1 7/16-12
FF304C-20	1 11/16-12
FF304C-24	2-12
FF304C-04	9/16-18

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

159 / 318 - JIC TUBE NUT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 318-04 / 318-05 / 318-06 / 318-08 / 318-10 / 318-12 / 318-16 / 318-20

318 - JIC TUBE NUT

Part code	JIC nominal thread size
318-06	9/16
318-08	3/4
318-10	7/8
318-12	1 1/16
318-16	1 5/16
318-20	1 5/8

318 - JIC TUBE NUT

Part code	JIC nominal thread size
318-04	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

160 / 319 - JIC FERRULES

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 319-04 / 319-05 / 319-06 / 319-08 / 319-10 / 319-12 / 319-16 / 319-24

319 - JIC FERRULES

Part code	JIC nominal thread size
319-06	9/16
319-08	3/4
319-10	7/8
319-12	1 1/16
319-16	1 5/16
319-24	1 7/8
319-04	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

161 / 0306 - JIC LOCKNUT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 0306-04 / 0306-05

0306 - JIC LOCKNUT

Part code	JIC nominal thread size
0306-04	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

162 / DW - Self Centering Bonded Seal - Imperial

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: DW-02 / DW-04 / DW-06 / DW-08 / DW-10 / DW-12 / DW-16 / DW-20 / DW-24 / DW-32

DW bonded seals - imperial self-centering reference configurations / column group 1 of 2

Part code	Self-centering reference ()	Alternative reference ()	BSP nominal size	Bolt size () (in)	Dimension A (as labelled) (mm)	Dimension B (as labelled) (mm)	Dimension C (as labelled) (mm)
DW-02	820	PP45-A	1/8	3/8	15.88	11.84	10.37
DW-04	821	PP45-B	1/4	1/2	20.57	15.21	13.74
DW-06	823	PP45-C	3/8	Confirm	23.8	18.75	17.28
DW-08	825	PP45-D	1/2	13/16	28.58	23.01	21.54
DW-10	826	PP45-E	5/8	7/8	31.75	24.97	23.49
DW-12	827	PP45-F	3/4	1	34.93	28.53	27.05
DW-16	830	PP45-H	1	1 5/16	42.8	36.88	33.89
DW-20	832	PP45-J	1 1/4	1 5/8	52.38	45.93	42.93

DW bonded seals - imperial self-centering reference configurations / column group 1 of 2

Part code	Self-centering reference ()	Alternative reference ()	BSP nominal size	Bolt size () (in)	Dimension A (as labelled) (mm)	Dimension B (as labelled) (mm)	Dimension C (as labelled) (mm)
DW-24	833	PP45-K	1 1/2	1 7/8	58.6	51.39	48.44
DW-32	836	PP45-M	2	Confirm	73.03	63.63	60.58

Identifying columns are repeated. Read all column groups together for the complete row specification.

DW bonded seals - imperial self-centering reference configurations / column group 2 of 2

Part code	Dimension E (as labelled) (mm)	Dimension F (as labelled) (mm)
DW-02	2.03	8.56
DW-04	2.03	11.45
DW-06	2.03	14.96
DW-08	2.0	18.64
DW-10	2.5	20.6
DW-12	2.0	24.13
DW-16	2.5	30.3
DW-20	2.5	38.96
DW-24	2.5	44.86
DW-32	2.5	56.67

Identifying columns are repeated. Read all column groups together for the complete row specification.

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Configuration selection	Reference-specific configuration required; preserve all rows for a shared bare code.

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

163 / DW_M - Self Centering Bonded Seal - Metric

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: DW-06M / DW-08M / DW-10M / DW-12M / DW-14M / DW-16M / DW-18M / DW-20M / DW-22M / DW-24M / DW-26M / DW-30M / DW-36M

DW_M bonded seals - German metric reference configurations / column group 1 of 2

Part code	Reference ()	Self-centering reference ()	Alternative reference ()	Dimension A (as labelled) (mm)	Dimension B (as labelled) (mm)	Dimension C (as labelled) (mm)	Dimension D (as labelled) (mm)
DW-06M	206	606	PPM6	10.0	8.0	6.7	0.3
DW-06M	207	607	PPM6	11.0	8.2	6.7	0.3
DW-08M	212	612	PPM8	13.0	10.0	8.7	0.3
DW-08M	213	613	PPM8	14.0	10.4	8.7	0.3
DW-10M	216	616	PPM10	15.88	12.0	10.35	0.4
DW-10M	217	617	PPM10	16.0	12.4	10.7	0.4
DW-10M	218	618	PPM10	18.0	12.4	10.7	0.4
DW-12M	222	622	PPM12	18.0	14.3	12.7	0.4
DW-12M	223	623	PPM12	20.0	14.4	12.7	0.4
DW-14M	227	627	PPM14	22.0	16.4	14.7	0.4
DW-16M	229	629	PPM16	24.0	18.4	16.7	0.4
DW-18M	232	632	PPM18	26.0	20.4	18.7	0.4
DW-20M	233	633	PPM20	28.0	22.5	20.7	0.4
DW-22M	236	636	PPM22	30.0	24.4	22.7	0.4
DW-22M	237	Confirm	PPM22	30.0	24.4	22.7	0.4
DW-24M	238	638	PPM24	32.0	26.4	24.7	0.4

DW_M bonded seals - German metric reference configurations / column group 1 of 2

Part code	Reference ()	Self-centering reference ()	Alternative reference ()	Dimension A (as labelled) (mm)	Dimension B (as labelled) (mm)	Dimension C (as labelled) (mm)	Dimension D (as labelled) (mm)
DW-26M	239	639	PPM26	35.0	28.4	26.7	0.4
DW-30M	242	642	PPM30	39.0	33.0	31.0	0.4
DW-36M	245	645	PPM36	46.0	38.8	36.7	0.4

Identifying columns are repeated. Read all column groups together for the complete row specification.

DW_M bonded seals - German metric reference configurations / column group 2 of 2

Part code	Reference ()	Dimension E (as labelled) (mm)	Dimension F (as labelled) (mm)
DW-06M	206	1.0	4.7
DW-06M	207	1.0	4.7
DW-08M	212	1.0	6.4
DW-08M	213	1.0	6.4
DW-10M	216	2.0	8.56
DW-10M	217	1.5	8.05
DW-10M	218	1.5	8.05
DW-12M	222	1.5	9.73
DW-12M	223	1.5	9.73
DW-14M	227	1.5	11.38
DW-16M	229	1.5	13.41
DW-18M	232	1.5	14.76
DW-20M	233	1.5	16.76
DW-22M	236	2.0	18.74
DW-22M	237	3.0	Confirm

DW_M bonded seals - German metric reference configurations / column group 2 of 2

Part code	Reference ()	Dimension E (as labelled) (mm)	Dimension F (as labelled) (mm)
DW-24M	238	2.0	20.11
DW-26M	239	2.0	22.3
DW-30M	242	2.0	25.7
DW-36M	245	2.0	31.1

Identifying columns are repeated. Read all column groups together for the complete row specification.

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

DW_M bonded seals - PM1000 metric reference configurations / column group 1 of 2

Part code	Reference ()	Self-centering reference ()	Metric size ()	Dimension A (as labelled) (mm)	Dimension B (as labelled) (mm)	Dimension C (as labelled) (mm)	Dimension D (as labelled) (mm)
DW-06M	3099	4099	M6	10.0	8.0	7.4	6.0
DW-08M	3138	4138	M8	14.0	11.0	10.0	8.0
DW-10M	3076	4076	M10	17.0	13.0	12.0	10.0
DW-12M	3077	4077	M12	19.0	16.0	15.0	12.0
DW-14M	3063	4063	M14	22.0	18.0	17.0	14.0
DW-16M	3078	4078	M16	24.0	20.0	19.0	16.0
DW-18M	3064	4064	M18	27.0	22.0	21.0	18.0
DW-20M	3079	4079	M20	30.0	25.0	24.0	20.0
DW-22M	3098	4098	M22	32.0	27.0	26.0	22.0
DW-24M	3080	4080	M24	36.0	29.0	28.0	24.0
DW-26M	3065	4065	M26	35.0	30.5	30.0	26.0

Identifying columns are repeated. Read all column groups together for the complete row specification.

DW_M bonded seals - PM1000 metric reference configurations / column group 2 of 2

Part code	Dimension E (as labelled) (mm)	Dimension F (as labelled) (mm)	Dimension H (as labelled) (mm)
DW-06M	1.0	0.4	4.7
DW-08M	1.0	0.4	6.4
DW-10M	1.5	0.5	8.56
DW-12M	1.5	0.5	9.73
DW-14M	1.5	0.5	11.38
DW-16M	1.5	0.5	13.41
DW-18M	2.0	0.5	14.76
DW-20M	2.0	0.5	16.76
DW-22M	2.0	0.5	18.74
DW-24M	2.0	0.5	20.11
DW-26M	2.0	0.5	22.3

Identifying columns are repeated. Read all column groups together for the complete row specification.

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Construction & application

Parameter	Specification
Configuration selection	Reference-specific configuration required; preserve all rows for a shared bare code.

Operating limits apply to the selected construction and configuration. Confirm the medium, temperature, pressure and end connections for the complete assembly.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

164 / 60 - COMPRESSION SLEEVE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 60-02 / 60-03 / 60-04 / 60-05 / 60-06 / 60-07 / 60-08 / 60-10 / 60-12

compression-sleeves

Part code	Accepted tube outside diameter (in)
60-02	1/8
60-03	3/16
60-04	1/4
60-05	5/16
60-06	3/8
60-08	1/2
60-10	5/8
60-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-sleeves - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Live-linked compression sizes omitted in 2026 table

Part code	Size (in)
60-07	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

165 / 61 - COMPRESSION NUT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 61-02 / 61-03 / 61-04 / 61-05 / 61-06 / 61-07 / 61-08 / 61-10 / 61-12

compression-nuts

Part code	Accepted tube outside diameter (in)
61-02	1/8
61-03	3/16
61-04	1/4
61-05	5/16
61-06	3/8
61-08	1/2
61-10	5/8
61-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-nuts - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Live-linked compression sizes omitted in 2026 table

Part code	Size (in)
61-07	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

166 / 62 - COMPRESSION UNION

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 62-02 / 62-03 / 62-04 / 62-05 / 62-06 / 62-07 / 62-08 / 62-10 / 62-12

compression-unions

Part code	Accepted tube outside diameter (in)
62-02	1/8
62-03	3/16
62-04	1/4
62-05	5/16
62-06	3/8
62-08	1/2
62-10	5/8
62-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-unions - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Live-linked compression sizes omitted in 2026 table

Part code	Size (in)
62-07	7/16

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

167 / 63 - SOFT TUBE SUPPORT

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 63-03 / 63-04 / 63-05 / 63-06 / 63-08 / 63-12M

soft-tube-support-imperial

Part code	Accepted tube outside diameter (in)
63-03	3/16
63-04	1/4
63-05	5/16
63-06	3/8
63-08	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

soft-tube-support-imperial - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

soft-tube-support-metric

Part code	Accepted tube outside diameter (mm)
63-12M	12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

soft-tube-support-metric - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

168 / 64 - COMPRESSION TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 64-02 / 64-03 / 64-04 / 64-04M / 64-05 / 64-06 / 64-06M / 64-08 / 64-08M / 64-10 / 64-10M / 64-12M

compression-tees

Part code	Accepted tube outside diameter (in)
64-02	1/8
64-03	3/16
64-04	1/4
64-05	5/16
64-06	3/8
64-08	1/2
64-10	5/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-tees - construction & conditions

Parameter	Specification
Configuration	equal tee
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-tees-metric

Part code	Accepted tube outside diameter (mm)
64-04M	4
64-06M	6
64-08M	8
64-10M	10
64-12M	12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-tees-metric - construction & conditions

Parameter	Specification
Configuration	equal tee
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

169 / 65 - COMPRESSION UNION ELBOW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 65-02 / 65-03 / 65-04 / 65-04M / 65-05 / 65-05M / 65-06 / 65-06M / 65-08 / 65-08M / 65-10 / 65-10M / 65-12 / 65-12M

compression-union-elbows

Part code	Accepted tube outside diameter (in)
65-02	1/8
65-03	3/16
65-04	1/4
65-05	5/16
65-06	3/8
65-08	1/2
65-10	5/8
65-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-union-elbows - construction & conditions

Parameter	Specification
Angle deg (degree)	90
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-union-elbows-metric

Part code	Accepted tube outside diameter (mm)
65-04M	4
65-05M	5

compression-union-elbows-metric

Part code	Accepted tube outside diameter (mm)
65-06M	6
65-08M	8
65-10M	10
65-12M	12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-union-elbows-metric - construction & conditions

Parameter	Specification
Angle deg (degree)	90
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

170 / 103 - FEMALE COUPLING

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 103-02 / 103-04 / 103-06 / 103-08 / 103-12

female-couplings

Part code	Thread nominal size
103-02	1/8
103-04	1/4
103-06	3/8

female-couplings

Part code	Thread nominal size
103-08	1/2
103-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

female-couplings - construction & conditions

Parameter	Specification
Connection genders	female x female
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

171 / 110 - REDUCING BUSH

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 110-0402 / 110-0602 / 110-0604 / 110-0802 / 110-0804 / 110-0806 / 110-1202 / 110-1204 / 110-1206 / 110-1208

reducing-bushes

Part code	Male thread nominal size	Female thread nominal size
110-0402	1/4	1/8
110-0602	3/8	1/8
110-0604	3/8	1/4
110-0802	1/2	1/8

reducing-bushes

Part code	Male thread nominal size	Female thread nominal size
110-0804	1/2	1/4
110-0806	1/2	3/8
110-1202	3/4	1/8
110-1204	3/4	1/4
110-1206	3/4	3/8
110-1208	3/4	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

reducing-bushes - construction & conditions

Parameter	Specification
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

172 / 112 - FEMALE TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 112-02 / 112-04 / 112-06 / 112-08 / 112-12

female-tees

Part code	Thread nominal size
112-02	1/8

female-tees

Part code	Thread nominal size
112-04	1/4
112-06	3/8
112-08	1/2
112-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

female-tees - construction & conditions

Parameter	Specification
Configuration	equal female tee
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

173 / 114 - FEMALE ELBOW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 114-02 / 114-04 / 114-06 / 114-08

female-elbows

Part code	Thread nominal size
114-02	1/8
114-04	1/4

female-elbows

Part code	Thread nominal size
114-06	3/8
114-08	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

female-elbows - construction & conditions

Parameter	Specification
Fitting angle deg (degree)	90
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

174 / 115 - MALE BRANCH TEE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 115-02 / 115-04 / 115-06

male-branch-tees

Part code	Thread nominal size
115-02	1/8
115-04	1/4
115-06	3/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[male-branch-tees - construction & conditions](#)

Parameter	Specification
Configuration	male branch tee
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

175 / 116 - FEMALE CROSS

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 116-02 / 116-04 / 116-06

[female-crosses](#)

Part code	Thread nominal size
116-02	1/8
116-04	1/4
116-06	3/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[female-crosses - construction & conditions](#)

Parameter	Specification
Configuration	four-way female cross
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

176 / 117 - MALEFEMALE ELBOW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 117-0202 / 117-0402 / 117-0404 / 117-0606 / 117-0808 / 117-1212

male-female-elbows

Part code	Male thread nominal size	Female thread nominal size
117-0202	1/8	1/8
117-0402	1/4	1/8
117-0404	1/4	1/4
117-0606	3/8	3/8
117-0808	1/2	1/2
117-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-female-elbows - construction & conditions

Parameter	Specification
Fitting angle deg (degree)	90
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

177 / 120 - MALEFEMALE ADAPTOR

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 120-0202 / 120-0204 / 120-0402 / 120-0404 / 120-0406 / 120-0408 / 120-0604 / 120-0606 / 120-0608 / 120-0804 / 120-0806 / 120-0808

male-female-straight-adaptors

Part code	Male thread nominal size	Female thread nominal size
120-0202	1/8	1/8
120-0204	1/8	1/4
120-0402	1/4	1/8
120-0404	1/4	1/4
120-0406	1/4	3/8
120-0408	1/4	1/2
120-0604	3/8	1/4
120-0606	3/8	3/8
120-0608	3/8	1/2
120-0804	1/2	1/4
120-0806	1/2	3/8
120-0808	1/2	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-female-straight-adaptors - construction & conditions

Parameter	Specification
Configuration	straight
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

178 / 122 - HEX NIPPLE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 122-0202 / 122-0402 / 122-0404 / 122-0602 / 122-0604 / 122-0606 / 122-0804 / 122-0806 / 122-0808 / 122-1212

hex-nipples

Part code	Male 1 thread nominal size	Male 2 thread nominal size
122-0202	1/8	1/8
122-0402	1/4	1/8
122-0404	1/4	1/4
122-0602	3/8	1/8
122-0604	3/8	1/4
122-0606	3/8	3/8
122-0804	1/2	1/4
122-0806	1/2	3/8
122-0808	1/2	1/2
122-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

hex-nipples - construction & conditions

Parameter	Specification
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

179 / 124 - MALEFEMALE ADAPTOR

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 124-02 / 124-04 / 124-06 / 124-08

male-female-45-adaptors

Part code	Thread nominal size
124-02	1/8
124-04	1/4
124-06	3/8
124-08	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-female-45-adaptors - construction & conditions

Parameter	Specification
Fitting angle deg (degree)	45
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

180 / 48 - SAE 45° FLARE MALE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 48-0302 / 48-0402 / 48-0404 / 48-0604 / 48-0606 / 48-0608 / 48-0808 / 48-1212

[sae-flare-male-connectors](#)

Part code	Accepted tube outside diameter (in)	Male thread nominal size
48-0302	3/16	1/8
48-0402	1/4	1/8
48-0404	1/4	1/4
48-0604	3/8	1/4
48-0606	3/8	3/8
48-0608	3/8	1/2
48-0808	1/2	1/2
48-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[sae-flare-male-connectors - construction & conditions](#)

Parameter	Specification
Flare angle deg (degree)	45
Pipe thread standard	not stated for SAE family; no BSP/NPT inference
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

181 / 49 - SAE 45° FLARE MALE ELBOW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 49-0404 / 49-0604 / 49-0606 / 49-0806 / 49-1006

[sae-flare-male-elbows](#)

Part code	Accepted tube outside diameter (in)	Male thread nominal size
49-0404	1/4	1/4
49-0604	3/8	1/4
49-0606	3/8	3/8
49-0806	1/2	3/8
49-1006	5/8	3/8

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[sae-flare-male-elbows - construction & conditions](#)

Parameter	Specification
Flare angle deg (degree)	45
Fitting angle deg (degree)	90
Pipe thread standard	not stated for SAE family; no BSP/NPT inference
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

182 / 62M - METRIC COMPRESSION UNION

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 62-04M / 62-06M / 62-08M / 62-10M / 62-12M

compression-unions-metric

Part code	Accepted tube outside diameter (mm)
62-04M	4
62-06M	6
62-08M	8
62-10M	10
62-12M	12

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

compression-unions-metric - construction & conditions

Parameter	Specification
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

183 / 66 - FEMALE CONNECTOR

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 66-0202 / 66-0302 / 66-0402 / 66-0404 / 66-0406 / 66-0502 / 66-0504 / 66-0602 / 66-0604 / 66-0606 / 66-0608 / 66-0804 / 66-0806 / 66-0808 / 66-1008 / 66-1208

female-compression-connectors

Part code	Accepted tube outside diameter (in)	Female thread nominal size
66-0202	1/8	1/8
66-0302	3/16	1/8

female-compression-connectors

Part code	Accepted tube outside diameter (in)	Female thread nominal size
66-0402	1/4	1/8
66-0404	1/4	1/4
66-0406	1/4	3/8
66-0502	5/16	1/8
66-0504	5/16	1/4
66-0602	3/8	1/8
66-0604	3/8	1/4
66-0606	3/8	3/8
66-0608	3/8	1/2
66-0804	1/2	1/4
66-0806	1/2	3/8
66-0808	1/2	1/2
66-1008	5/8	1/2
66-1208	3/4	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

female-compression-connectors - construction & conditions

Parameter	Specification
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

184 / 68 - MALE CONNECTOR

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 68-0202 / 68-0204 / 68-0302 / 68-0304 / 68-0402 / 68-0404 / 68-0406 / 68-0408 / 68-0502 / 68-0504 / 68-0506 / 68-0602 / 68-0604 / 68-0606 / 68-0608 / 68-0804 / 68-0806 / 68-0808 / 68-0812 / 68-1006 / 68-1008 / 68-1208 / 68-1212

male-compression-connectors

Part code	Accepted tube outside diameter (in)	Male thread nominal size
68-0202	1/8	1/8
68-0204	1/8	1/4
68-0302	3/16	1/8
68-0304	3/16	1/4
68-0402	1/4	1/8
68-0404	1/4	1/4
68-0406	1/4	3/8
68-0408	1/4	1/2
68-0502	5/16	1/8
68-0504	5/16	1/4
68-0506	5/16	3/8
68-0602	3/8	1/8
68-0604	3/8	1/4
68-0606	3/8	3/8
68-0608	3/8	1/2
68-0804	1/2	1/4
68-0806	1/2	3/8

male-compression-connectors

Part code	Accepted tube outside diameter (in)	Male thread nominal size
68-0808	1/2	1/2
68-0812	1/2	3/4
68-1006	5/8	3/8
68-1008	5/8	1/2
68-1208	3/4	1/2
68-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-compression-connectors - construction & conditions

Parameter	Specification
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

185 / 68M - METRIC MALE CONNECTOR

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 68-04M-02 / 68-04M-04 / 68-06M-02 / 68-06M-04 / 68-08M-02 / 68-08M-04 / 68-08M-06 / 68-10M-04 / 68-10M-06 / 68-10M-08 / 68-12M-06 / 68-12M-08

male-compression-connectors-metric

Part code	Accepted tube outside diameter (mm)	Male thread nominal size
68-04M-02	4	1/8

male-compression-connectors-metric

Part code	Accepted tube outside diameter (mm)	Male thread nominal size
68-04M-04	4	1/4
68-06M-02	6	1/8
68-06M-04	6	1/4
68-08M-02	8	1/8
68-08M-04	8	1/4
68-08M-06	8	3/8
68-10M-04	10	1/4
68-10M-06	10	3/8
68-10M-08	10	1/2
68-12M-06	12	3/8
68-12M-08	12	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-compression-connectors-metric - construction & conditions

Parameter	Specification
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

186 / 69 - MALE CONNECTOR ELBOW

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 69-0202 / 69-0302 / 69-0304 / 69-0402 / 69-0404 / 69-0406 / 69-0502 / 69-0504 / 69-0506 / 69-0602 / 69-0604 / 69-0606 / 69-0608 / 69-0804 / 69-0806 / 69-0808 / 69-1006 / 69-1008 / 69-1208 / 69-1212

[male-compression-elbows](#)

Part code	Accepted tube outside diameter (in)	Male thread nominal size
69-0202	1/8	1/8
69-0302	3/16	1/8
69-0304	3/16	1/4
69-0402	1/4	1/8
69-0404	1/4	1/4
69-0406	1/4	3/8
69-0502	5/16	1/8
69-0504	5/16	1/4
69-0506	5/16	3/8
69-0602	3/8	1/8
69-0604	3/8	1/4
69-0606	3/8	3/8
69-0608	3/8	1/2
69-0804	1/2	1/4
69-0806	1/2	3/8
69-0808	1/2	1/2
69-1006	5/8	3/8

male-compression-elbows

Part code	Accepted tube outside diameter (in)	Male thread nominal size
69-1008	5/8	1/2
69-1208	3/4	1/2
69-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-compression-elbows - construction & conditions

Parameter	Specification
Fitting angle deg (degree)	90
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

187 / 828 - TEE JOINT NIPPLE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: 828-040404 / 828-050505 / 828-060606 / 828-080808

barbed-tees

Part code	Accepted hose inside diameter
828-040404	1/4
828-050505	5/16
828-060606	3/8

[barbed-tees](#)

Part code	Accepted hose inside diameter
828-080808	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[barbed-tees - construction & conditions](#)

Parameter	Specification
Configuration	barbed tee
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

188 / AF - NPT MALE HOSE NIPPLE

Connection components selected by thread, sealing form, dimensions and operating duty.

Ordering references: AF-1208 / AF-1212 / AF-202 / AF-203 / AF-204 / AF-205 / AF-206 / AF-402 / AF-403 / AF-404 / AF-405 / AF-406 / AF-408 / AF-604 / AF-605 / AF-606 / AF-608 / AF-610 / AF-804 / AF-805 / AF-806 / AF-808 / AF-810 / AF-812

[npt-male-hose-nipples](#)

Part code	NPT male nominal size	Accepted hose inside diameter
AF-202	1/8	1/8
AF-203	1/8	3/16
AF-204	1/8	1/4
AF-205	1/8	5/16
AF-206	1/8	3/8
AF-402	1/4	1/8

npt-male-hose-nipples

Part code	NPT male nominal size	Accepted hose inside diameter
AF-403	1/4	3/16
AF-404	1/4	1/4
AF-405	1/4	5/16
AF-406	1/4	3/8
AF-408	1/4	1/2
AF-604	3/8	1/4
AF-605	3/8	5/16
AF-606	3/8	3/8
AF-608	3/8	1/2
AF-610	3/8	5/8
AF-804	1/2	1/4
AF-805	1/2	5/16
AF-806	1/2	3/8
AF-808	1/2	1/2
AF-810	1/2	5/8
AF-812	1/2	3/4
AF-1208	3/4	1/2
AF-1212	3/4	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

npt-male-hose-nipples - construction & conditions

Parameter	Specification
Configuration	NPT male x hose barb
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

189 / Custom Machined Fittings

Made-to-drawing fittings and special connections.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

190 / 109 - Hex Stop Plug

109 - Hex Stop Plug configurations selected for the required connection and application.

Application: 109 - Hex Stop Plug

Family reference: 103-02

Ordering references: 109-02 / 109-04 / 109-06 / 109-08 / 109-12

male-stop-plugs

Part code	Thread nominal size
109-02	1/8
109-04	1/4
109-06	3/8

[male-stop-plugs](#)

Part code	Thread nominal size
109-08	1/2
109-12	3/4

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[male-stop-plugs - construction & conditions](#)

Parameter	Specification
Connection genders	male stop plug
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

[Application & quotation checklist](#)

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

191 / 127 - Pipe Male Run Tee

127 - Pipe Male Run Tee configurations selected for the required connection and application.

Application: 127 - Pipe Male Run Tee

Family reference: 124-02

Ordering references: 127-02 / 127-04 / 127-06 / 127-08

[male-run-tees](#)

Part code	Thread nominal size
127-02	1/8
127-04	1/4

male-run-tees

Part code	Thread nominal size
127-06	3/8
127-08	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

male-run-tees - construction & conditions

Parameter	Specification
Configuration	pipe male run tee
Pipe thread type	BSP; exact parallel/taper form not specified
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

192 / AF - Airline Hose Joiner

AF - Airline Hose Joiner configurations selected for the required connection and application.

Application: AF - Airline Hose Joiner

Family reference: AF-1208

Ordering references: AF-19 / AF-20 / AF-21 / AF-22 / AF-23

airline-hose-joiners

Part code	Accepted hose inside diameter
AF-19	3/16
AF-20	1/4

airline-hose-joiners

Part code	Accepted hose inside diameter
AF-21	5/16
AF-22	3/8
AF-23	1/2

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

airline-hose-joiners - construction & conditions

Parameter	Specification
Configuration	barb x barb hose joiner; no pipe thread
Material	Brass; alloy grade not stated

Dimensions and ratings apply to the exact configuration shown. Match the connection, material, seal and operating conditions before selection.

Application & quotation checklist

Thread standard, size and sealing form; Hose construction or mating connection; Material and pressure rating; Straight, elbow, tee or special configuration

Couplings & Clamps

Camlock, claw, lever-lock and specialist coupling systems with matching seals and clamps.

001 / Screw In High-pressure Couplers - NPT

Matched coupling halves selected by connection type, size and application.

Ordering references: 3010-02 / 3010-03 / 3050-02 / 3050-03

Screw coupling exact-part specifications / column group 1 of 2

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)	Mass (g)
3050-02	female	NPT	1/4	ANSI B1.20.1	6	6.3	3.7	720	12	12	162
3010-02	male	NPT	1/4	ANSI B1.20.1	6	6.3	3.7	720	12	12	87
3050-03	female	NPT	3/8	ANSI B1.20.1	10	10	4.8	720	23	23	250
3010-03	male	NPT	3/8	ANSI B1.20.1	10	10	4.8	720	23	23	145

Identifying columns are repeated. Read all column groups together for the complete row specification.

Screw coupling exact-part specifications / column group 2 of 2

Part code	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)	Coupled-pair burst pressure (MPa)	Bg size	Port gender
3050-02	0.2	150	200	220	1	female
3010-02	0.2	150	200	220	1	female
3050-03	0.6	150	200	220	2	female
3010-03	0.6	150	200	220	2	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. The screw connection permits residual-pressure connection up to 100 bar for this family. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Screw coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM
Temperature min c (°C)	-25
Temperature max c (°C)	100
Connection under residual pressure	Yes
Coupling interface reference	ISO14540
Max residual connection pressure bar	100

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. The screw connection permits residual-pressure connection up to 100 bar for this family. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

002 / Ball Type Couplers - NPT

Matched coupling halves selected by connection type, size and application.

Ordering references: 4010-02 / 4010-03 / 4010-04 / 4010-05 / 4010-06 / 4050-02 / 4050-03 / 4050-04 / 4050-05 / 4050-06

Ball coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
4050-02	female	NPT	1/4	ANSI B1.20.1	6	6.3	5.3	300	12	20
4010-02	male	NPT	1/4	ANSI B1.20.1	6	6.3	5.3	300	12	20

Ball coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
4050-03	female	NPT	3/8	ANSI B1.20.1	10	10	7.4	250	23	35
4010-03	male	NPT	3/8	ANSI B1.20.1	10	10	7.4	250	23	35
4050-04	female	NPT	1/2	ANSI B1.20.1	13	12.5	8.9	200	30	55
4010-04	male	NPT	1/2	ANSI B1.20.1	13	12.5	8.9	200	30	55
4050-05	female	NPT	3/4	ANSI B1.20.1	20	19	12.4	200	60	120
4010-05	male	NPT	3/4	ANSI B1.20.1	20	19	12.4	200	60	120
4050-06	female	NPT	1	ANSI B1.20.1	25	25	13.1	200	80	160
4010-06	male	NPT	1	ANSI B1.20.1	25	25	13.1	200	80	160

Identifying columns are repeated. Read all column groups together for the complete row specification.

Ball coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Hex (mm)	Mass (g)	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)	Coupled-pair burst pressure (MPa)
4050-02	27	76.3	19	128	0.5	120	120	150
4010-02	16.9	38	19	48	0.5	120	120	150
4050-03	34	85.5	24	208	1.4	100	100	160
4010-03	21.5	42.5	24	87	1.4	100	100	160
4050-04	38	96.5	27	275	1.9	80	95	130
4010-04	23.75	48	27	103	1.9	80	95	130
4050-05	47	114.5	34	500	4.6	80	110	120
4010-05	31.05	57	34	210	4.6	80	110	120
4050-06	52	131.5	41	775	5.9	85	110	100
4010-06	34.5	65.5	41	310	5.9	85	110	100

Identifying columns are repeated. Read all column groups together for the complete row specification.

Ball coupling exact-part specifications / column group 3 of 3

Part code	Bg size	Port gender
4050-02	1	female
4010-02	1	female
4050-03	2	female
4010-03	2	female
4050-04	3	female
4010-04	3	female
4050-05	4	female
4010-05	4	female
4050-06	5	female
4010-06	5	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Ball coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25

Ball coupling exact-part specifications - construction & conditions

Parameter	Specification
Temperature max c (°C)	100
Connection under residual pressure	No

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

003 / Ball Type Couplers - BSP

Matched coupling halves selected by connection type, size and application.

Ordering references: 5010-02 / 5010-03 / 5010-04 / 5010-05 / 5010-06 / 5050-02 / 5050-03 / 5050-04 / 5050-05 / 5050-06

Ball coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
5050-02	female	BSP	1/4	DIN3852-2	6	6.3	5.3	300	12	20
5010-02	male	BSP	1/4	DIN3852-2	6	6.3	5.3	300	12	20
5050-03	female	BSP	3/8	DIN3852-2	10	10	7.4	250	23	35
5010-03	male	BSP	3/8	DIN3852-2	10	10	7.4	250	23	35
5050-04	female	BSP	1/2	DIN3852-2	13	12.5	8.9	200	30	55
5010-04	male	BSP	1/2	DIN3852-2	13	12.5	8.9	200	30	55
5050-05	female	BSP	3/4	DIN3852-2	20	19	12.4	200	60	120
5010-05	male	BSP	3/4	DIN3852-2	20	19	12.4	200	60	120
5050-06	female	BSP	1	DIN3852-2	25	25	13.1	200	80	160

Ball coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
5010-06	male	BSP	1	DIN3852-2	25	25	13.1	200	80	160

Identifying columns are repeated. Read all column groups together for the complete row specification.

Ball coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Hex (mm)	Mass (g)	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)	Coupled-pair burst pressure (MPa)
5050-02	27	76.3	19	127	0.5	120	120	150
5010-02	16.9	38	19	47	0.5	120	120	150
5050-03	34	85.5	24	207	1.4	100	100	160
5010-03	21.5	42.5	24	86	1.4	100	100	160
5050-04	38	96.5	27	273	1.9	80	95	130
5010-04	23.75	48	27	101	1.9	80	95	130
5050-05	47	114.5	34	494	4.6	80	110	120
5010-05	31.05	57	34	205	4.6	80	110	120
5050-06	52	131.5	41	768	5.9	85	110	100
5010-06	34.5	65.5	41	302	5.9	85	110	100

Identifying columns are repeated. Read all column groups together for the complete row specification.

Ball coupling exact-part specifications / column group 3 of 3

Part code	Bg size	Port gender
5050-02	1	female
5010-02	1	female
5050-03	2	female

Ball coupling exact-part specifications / column group 3 of 3

Part code	Bg size	Port gender
5010-03	2	female
5050-04	3	female
5010-04	3	female
5050-05	4	female
5010-05	4	female
5050-06	5	female
5010-06	5	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Ball coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25
Temperature max c (°C)	100
Connection under residual pressure	No

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

004 / Flat Face Couplers - NPT

Matched coupling halves selected by connection type, size and application.

Ordering references: 4010-03F / 4010-04F / 4010-05F / 4010-06F / 4050-03F / 4050-04F / 4050-05F / 4050-06F

Flat coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
4050-03F	female	NPT	3/8	ANSI B1.20.1	13	10	8.6	250	23	46
4010-03F	male	NPT	3/8	ANSI B1.20.1	13	10	8.6	250	23	46
4050-04F	female	NPT	1/2	ANSI B1.20.1	13	10	8.6	250	23	46
4010-04F	male	NPT	1/2	ANSI B1.20.1	13	10	8.6	250	23	46
4050-05F	female	NPT	3/4	ANSI B1.20.1	20	12.5	10.7	250	45	90
4010-05F	male	NPT	3/4	ANSI B1.20.1	20	12.5	10.7	250	45	90
4050-06F	female	NPT	1	ANSI B1.20.1	25	19	14.8	250	100	200
4010-06F	male	NPT	1	ANSI B1.20.1	25	19	14.8	250	100	200

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flat coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Installation length	Hex (mm)	Mass (g)	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)
4050-03F	32	Confirm	L2 + L3 - 15.7	27	259	0.01	160	100
4010-03F	19.76	Confirm	Confirm	27	159	0.01	160	100
4050-04F	32	Confirm	L2 + L3 - 15.7	27	256	0.01	160	100
4010-04F	19.76	Confirm	Confirm	27	154	0.01	160	100

Flat coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Installation length	Hex (mm)	Mass (g)	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)
4050-05F	38	Confirm	L2 + L3 - 17.3	36	451	0.012	150	110
4010-05F	24.55	Confirm	Confirm	36	290	0.012	150	110
4050-06F	48	157.5	Confirm	46	801	0.02	140	110
4010-06F	29.95	86	Confirm	46	435	0.02	140	110

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flat coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
4050-03F	160	2	female
4010-03F	160	2	female
4050-04F	160	2	female
4010-04F	160	2	female
4050-05F	190	3	female
4010-05F	190	3	female
4050-06F	140	4	female
4010-06F	140	4	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Flat coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified

Flat coupling exact-part specifications - construction & conditions

Parameter	Specification
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25
Temperature max c (°C)	100
Connection under residual pressure	No
Coupling interface reference	ISO16028

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

005 / Flat Face Couplers - BSP

Matched coupling halves selected by connection type, size and application.

Ordering references: 5010-02F / 5010-03F / 5010-04F / 5010-05F / 5010-06F / 5050-02F / 5050-03F / 5050-04F / 5050-05F / 5050-06F

Flat coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
5050-02F	female	BSP	1/4	DIN3852-2	6	6.3	6	300	12	24
5010-02F	male	BSP	1/4	DIN3852-2	6	6.3	6	300	12	24
5050-03F	female	BSP	3/8	DIN3852-2	13	10	8.6	250	23	46
5010-03F	male	BSP	3/8	DIN3852-2	13	10	8.6	250	23	46

Flat coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
5050-04F	female	BSP	1/2	DIN3852-2	13	10	8.6	250	23	46
5010-04F	male	BSP	1/2	DIN3852-2	13	10	8.6	250	23	46
5050-05F	female	BSP	3/4	DIN3852-2	20	12.5	10.7	250	45	90
5010-05F	male	BSP	3/4	DIN3852-2	20	12.5	10.7	250	45	90
5050-06F	female	BSP	1	DIN3852-2	25	19	14.8	250	100	200
5010-06F	male	BSP	1	DIN3852-2	25	19	14.8	250	100	200

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flat coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Installation length	Hex (mm)	Mass (g)	Spillage per disconnection (cm ³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)
5050-02F	28	100	Confirm	22	181	0.008	180	120
5010-02F	16.2	52	Confirm	22	96	0.008	180	120
5050-03F	32	Confirm	L2 + L3 - 15.7	27	256	0.01	160	100
5010-03F	19.76	Confirm	Confirm	27	156	0.01	160	100
5050-04F	32	Confirm	L2 + L3 - 15.7	27	253	0.01	160	100
5010-04F	19.76	Confirm	Confirm	27	151	0.01	160	100
5050-05F	38	Confirm	L2 + L3 - 17.3	36	445	0.012	150	110
5010-05F	24.55	Confirm	Confirm	36	282	0.012	150	110
5050-06F	48	157.5	Confirm	46	789	0.02	140	110
5010-06F	29.95	86	Confirm	46	423	0.02	140	110

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flat coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
5050-02F	140	1	female
5010-02F	140	1	female
5050-03F	160	2	female
5010-03F	160	2	female
5050-04F	160	2	female
5010-04F	160	2	female
5050-05F	190	3	female
5010-05F	190	3	female
5050-06F	140	4	female
5010-06F	140	4	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Flat coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25
Temperature max c (°C)	100

Flat coupling exact-part specifications - construction & conditions

Parameter	Specification
Connection under residual pressure	No
Coupling interface reference	ISO16028

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

006 / Pin Type Couplers - NPT

Matched coupling halves selected by connection type, size and application.

Ordering references: 4010-02P / 4010-03P / 4010-04P / 4010-05P / 4010-06P / 4050-02P / 4050-03P / 4050-04P / 4050-05P / 4050-06P

Pin coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
4050-02P	female	NPT	1/4	ANSI B1.20.1	6	6.3	5	350	12	17
4010-02P	male	NPT	1/4	ANSI B1.20.1	6	6.3	5	350	12	17
4050-03P	female	NPT	3/8	ANSI B1.20.1	10	10	8.5	350	23	46
4010-03P	male	NPT	3/8	ANSI B1.20.1	10	10	8.5	350	23	46
4050-04P	female	NPT	1/2	ANSI B1.20.1	13	12.5	10.5	250	45	90
4010-04P	male	NPT	1/2	ANSI B1.20.1	13	12.5	10.5	250	45	90
4050-05P	female	NPT	3/4	ANSI B1.20.1	20	19	15.8	250	100	190
4010-05P	male	NPT	3/4	ANSI B1.20.1	20	19	15.8	250	100	190
4050-06P	female	NPT	1	ANSI B1.20.1	25	25	17.3	250	189	280

Pin coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
4010-06P	male	NPT	1	ANSI B1.20.1	25	25	17.3	250	189	280

Identifying columns are repeated. Read all column groups together for the complete row specification.

Pin coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Installation length	Hex (mm)	Mass (g)	Spillage per disconnection (cm³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)
4050-02P	26	70.5	Confirm	19	107	0.5	150	170
4010-02P	13	35	Confirm	19	38	0.5	150	170
4050-03P	30	85	Confirm	22	156	1.9	140	150
4010-03P	18.4	42.5	Confirm	22	60	1.9	140	150
4050-04P	38	Confirm	L2 + 26.5	27	269	2.7	100	140
4010-04P	23.75	48	Confirm	27	98	2.7	100	140
4050-05P	45	114.5	Confirm	34	434	9.3	90	150
4010-05P	30.5	57	Confirm	34	186	9.3	90	150
4050-06P	52	135.5	Confirm	41	708	16.0	130	130
4010-06P	36.6	67.5	Confirm	41	313	16.0	130	130

Identifying columns are repeated. Read all column groups together for the complete row specification.

Pin coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
4050-02P	140	1	female
4010-02P	140	1	female
4050-03P	150	2	female

Pin coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
4010-03P	150	2	female
4050-04P	120	3	female
4010-04P	120	3	female
4050-05P	100	4	female
4010-05P	100	4	female
4050-06P	120	5	female
4010-06P	120	5	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Pin coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25
Temperature max c (°C)	100
Connection under residual pressure	No
Coupling interface reference	ISO7241 A

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before

mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

007 / Pin Type Couplers - BSP

Matched coupling halves selected by connection type, size and application.

Ordering references: 5010-02P / 5010-03P / 5010-04P / 5010-05P / 5010-06P / 5010-07P / 5050-02P / 5050-03P / 5050-04P / 5050-05P / 5050-06P / 5050-07P

Pin coupling exact-part specifications / column group 1 of 3

Part code	Coupling half	Thread system	Port size (in)	Port standard	nominal size	ISO interface size	Bore (mm)	Working pressure (bar)	Rated flow (L/min)	Maximum flow (L/min)
5050-02P	female	BSP	1/4	DIN3852-2	6	6.3	5	350	12	17
5010-02P	male	BSP	1/4	DIN3852-2	6	6.3	5	350	12	17
5050-03P	female	BSP	3/8	DIN3852-2	10	10	8.5	350	23	46
5010-03P	male	BSP	3/8	DIN3852-2	10	10	8.5	350	23	46
5050-04P	female	BSP	1/2	DIN3852-2	13	12.5	10.5	250	45	90
5010-04P	male	BSP	1/2	DIN3852-2	13	12.5	10.5	250	45	90
5050-05P	female	BSP	3/4	DIN3852-2	20	19	15.8	250	100	190
5010-05P	male	BSP	3/4	DIN3852-2	20	19	15.8	250	100	190
5050-06P	female	BSP	1	DIN3852-2	25	25	17.3	250	189	280
5010-06P	male	BSP	1	DIN3852-2	25	25	17.3	250	189	280
5050-07P	female	BSP	1-1/4	DIN3852-2	30	31.5	22.8	200	288	480
5010-07P	male	BSP	1-1/4	DIN3852-2	30	31.5	22.8	200	288	480

Identifying columns are repeated. Read all column groups together for the complete row specification.

Pin coupling exact-part specifications / column group 2 of 3

Part code	Body diameter (mm)	Overall length (mm)	Installation length	Hex (mm)	Mass (g)	Spillage per disconnection (cm ³)	Male-half burst pressure (MPa)	Female-half burst pressure (MPa)
5050-02P	26	70.5	Confirm	19	106	0.5	150	170
5010-02P	13	35	Confirm	19	37	0.5	150	170
5050-03P	30	85	Confirm	22	155	1.9	140	150
5010-03P	18.4	42.5	Confirm	22	59	1.9	140	150
5050-04P	38	Confirm	L2 + 26.5	27	268	2.7	100	140
5010-04P	23.75	48	Confirm	27	97	2.7	100	140
5050-05P	45	114.5	Confirm	34	428	9.3	90	150
5010-05P	30.5	57	Confirm	34	180	9.3	90	150
5050-06P	52	135.5	Confirm	41	700	16.0	130	130
5010-06P	36.6	67.5	Confirm	41	304	16.0	130	130
5050-07P	70	150.6	Confirm	50	1515	30.0	110	85
5010-07P	47.8	75	Confirm	50	559	30.0	110	85

Identifying columns are repeated. Read all column groups together for the complete row specification.

Pin coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
5050-02P	140	1	female
5010-02P	140	1	female
5050-03P	150	2	female
5010-03P	150	2	female
5050-04P	120	3	female
5010-04P	120	3	female

Pin coupling exact-part specifications / column group 3 of 3

Part code	Coupled-pair burst pressure (MPa)	Bg size	Port gender
5050-05P	100	4	female
5010-05P	100	4	female
5050-06P	120	5	female
5010-06P	120	5	female
5050-07P	100	6	female
5010-07P	100	6	female

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Pin coupling exact-part specifications - construction & conditions

Parameter	Specification
Body material	steel; grade not specified
Finish	Zn-Fe (Cr III)
Standard seal	NBR
Optional seal materials	FKM / EPDM / FFKM
Temperature min c (°C)	-25
Temperature max c (°C)	100
Connection under residual pressure	No
Coupling interface reference	ISO7241 A

Exact male and female coupling halves with model-specific working pressure, flow and dimensions. Standard construction: steel body, Zn-Fe (Cr III) finish and NBR seals, -25°C to +100°C. Alternative seal materials require a separately confirmed configuration. Working pressure is in bar; burst pressure is in MPa and is not an operating rating. Do not connect or disconnect this family under residual pressure. Confirm interface compatibility before mating components. Installation lengths are confirmed against the dimensional drawing.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

008 / Camlock type A - male adaptor x female BSP

Camlock type A - male adaptor x female BSP for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: AA050 / AA075 / AA100 / AA125 / AA150 / AA200 / AA250 / AA300 / AA400 / AA500 / AA600 / AA800 / AB050 / AB075 / AB100 / AB125 / AB150 / AB200 / AB250 / AB300 / AB400 / AB500 / AB600 / AP050 / AP075 / AP100 / AP125 / AP150 / AP200 / AP250 / AP300 / AP400 / AB400N / AB500N / AS050 / AS075 / AS100 / AS125 / AS150 / AS200 / AS250 / AS300 / AS400 / AS500 / AS600

316 stainless camlock type A

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
AS050	Stainless steel 316	0.5	12.0	10
AS075	Stainless steel 316	0.75	20.0	10
AS100	Stainless steel 316	1.0	25.0	10
AS125	Stainless steel 316	1.25	32.0	10
AS150	Stainless steel 316	1.5	40.0	10
AS200	Stainless steel 316	2.0	50.0	10
AS250	Stainless steel 316	2.5	65.0	10
AS300	Stainless steel 316	3.0	80.0	8
AS400	Stainless steel 316	4.0	100.0	8
AS500	Stainless steel 316	5.0	125.0	8
AS600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type A. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type A - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type A. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
AA050	Camlock type A - male adaptor x female BSP	Aluminium	0.5 in	10
AA075	Camlock type A - male adaptor x female BSP	Aluminium	0.75 in	10
AA100	Camlock type A - male adaptor x female BSP	Aluminium	1 in	10
AA125	Camlock type A - male adaptor x female BSP	Aluminium	1.25 in	10
AA150	Camlock type A - male adaptor x female BSP	Aluminium	1.5 in	10
AA200	Camlock type A - male adaptor x female BSP	Aluminium	2 in	10
AA250	Camlock type A - male adaptor x female BSP	Aluminium	2.5 in	10
AA300	Camlock type A - male adaptor x female BSP	Aluminium	3 in	8
AA400	Camlock type A - male adaptor x female BSP	Aluminium	4 in	6
AA500	Camlock type A - male adaptor x female BSP	Aluminium	5 in	5
AA600	Camlock type A - male adaptor x female BSP	Aluminium	6 in	5
AA800	Camlock type A - male adaptor x female BSP	Aluminium	8 in	5
AB050	Camlock type A - male adaptor x female BSP	Brass	0.5 in	Confirm for this configuration
AB075	Camlock type A - male adaptor x female BSP	Brass	0.75 in	Confirm for this configuration
AB100	Camlock type A - male adaptor x female BSP	Brass	1 in	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
AB125	Camlock type A - male adaptor x female BSP	Brass	1.25 in	Confirm for this configuration
AB150	Camlock type A - male adaptor x female BSP	Brass	1.5 in	Confirm for this configuration
AB200	Camlock type A - male adaptor x female BSP	Brass	2 in	Confirm for this configuration
AB250	Camlock type A - male adaptor x female BSP	Brass	2.5 in	Confirm for this configuration
AB300	Camlock type A - male adaptor x female BSP	Brass	3 in	Confirm for this configuration
AB400	Camlock type A - male adaptor x female BSP	Brass	4 in	Confirm for this configuration
AB500	Camlock type A - male adaptor x female BSP	Brass	5 in	Confirm for this configuration
AB600	Camlock type A - male adaptor x female BSP	Brass	6 in	Confirm for this configuration
AP050	Camlock type A - male adaptor x female BSP	Polypropylene	0.5 in	3
AP075	Camlock type A - male adaptor x female BSP	Polypropylene	0.75 in	3
AP100	Camlock type A - male adaptor x female BSP	Polypropylene	1 in	3
AP125	Camlock type A - male adaptor x female BSP	Polypropylene	1.25 in	3
AP150	Camlock type A - male adaptor x female BSP	Polypropylene	1.5 in	3
AP200	Camlock type A - male adaptor x female BSP	Polypropylene	2 in	3
AP250	Camlock type A - male adaptor x female BSP	Polypropylene	2.5 in	3
AP300	Camlock type A - male adaptor x female BSP	Polypropylene	3 in	3
AP400	Camlock type A - male adaptor x female BSP	Polypropylene	4 in	3
AB400N	Bronze NPT camlock type A, 4 inch	Bronze	4 in	Confirm for this configuration
AB500N	Bronze NPT camlock type A, 5 inch	Bronze	5 in	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

009 / Camlock type B - female coupler x male BSP

Camlock type B - female coupler x male BSP for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: BA050 / BA075 / BA100 / BA125 / BA150 / BA200 / BA250 / BA300 / BA400 / BA500 / BA600 / BA800 / BB050 / BB075 / BB100 / BB125 / BB150 / BB200 / BB250 / BB300 / BB400 / BB500 / BB600 / BP050 / BP075 / BP100 / BP125 / BP150 / BP200 / BP250 / BP300 / BP400 / BS050 / BS075 / BS100 / BS125 / BS150 / BS200 / BS250 / BS300 / BS400 / BS500 / BS600

316 stainless camlock type B

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
BS050	Stainless steel 316	0.5	12.0	10
BS075	Stainless steel 316	0.75	20.0	10
BS100	Stainless steel 316	1.0	25.0	10
BS125	Stainless steel 316	1.25	32.0	10
BS150	Stainless steel 316	1.5	40.0	10
BS200	Stainless steel 316	2.0	50.0	10
BS250	Stainless steel 316	2.5	65.0	10
BS300	Stainless steel 316	3.0	80.0	8
BS400	Stainless steel 316	4.0	100.0	8
BS500	Stainless steel 316	5.0	125.0	8
BS600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type B. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type B - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type B. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
BA050	Camlock type B - female coupler x male BSP	Aluminium	0.5 in	10
BA075	Camlock type B - female coupler x male BSP	Aluminium	0.75 in	10
BA100	Camlock type B - female coupler x male BSP	Aluminium	1 in	10
BA125	Camlock type B - female coupler x male BSP	Aluminium	1.25 in	10
BA150	Camlock type B - female coupler x male BSP	Aluminium	1.5 in	10
BA200	Camlock type B - female coupler x male BSP	Aluminium	2 in	10
BA250	Camlock type B - female coupler x male BSP	Aluminium	2.5 in	10
BA300	Camlock type B - female coupler x male BSP	Aluminium	3 in	8
BA400	Camlock type B - female coupler x male BSP	Aluminium	4 in	6
BA500	Camlock type B - female coupler x male BSP	Aluminium	5 in	5
BA600	Camlock type B - female coupler x male BSP	Aluminium	6 in	5
BA800	Camlock type B - female coupler x male BSP	Aluminium	8 in	5
BB050	Camlock type B - female coupler x male BSP	Brass	0.5 in	Confirm for this configuration
BB075	Camlock type B - female coupler x male BSP	Brass	0.75 in	Confirm for this configuration
BB100	Camlock type B - female coupler x male BSP	Brass	1 in	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
BB125	Camlock type B - female coupler x male BSP	Brass	1.25 in	Confirm for this configuration
BB150	Camlock type B - female coupler x male BSP	Brass	1.5 in	Confirm for this configuration
BB200	Camlock type B - female coupler x male BSP	Brass	2 in	Confirm for this configuration
BB250	Camlock type B - female coupler x male BSP	Brass	2.5 in	Confirm for this configuration
BB300	Camlock type B - female coupler x male BSP	Brass	3 in	Confirm for this configuration
BB400	Camlock type B - female coupler x male BSP	Brass	4 in	Confirm for this configuration
BB500	Camlock type B - female coupler x male BSP	Brass	5 in	Confirm for this configuration
BB600	Camlock type B - female coupler x male BSP	Brass	6 in	Confirm for this configuration
BP050	Camlock type B - female coupler x male BSP	Polypropylene	0.5 in	3
BP075	Camlock type B - female coupler x male BSP	Polypropylene	0.75 in	3
BP100	Camlock type B - female coupler x male BSP	Polypropylene	1 in	3
BP125	Camlock type B - female coupler x male BSP	Polypropylene	1.25 in	3
BP150	Camlock type B - female coupler x male BSP	Polypropylene	1.5 in	3
BP200	Camlock type B - female coupler x male BSP	Polypropylene	2 in	3
BP250	Camlock type B - female coupler x male BSP	Polypropylene	2.5 in	3
BP300	Camlock type B - female coupler x male BSP	Polypropylene	3 in	3
BP400	Camlock type B - female coupler x male BSP	Polypropylene	4 in	3

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

010 / Camlock type C - female coupler x hosetail

Camlock type C - female coupler x hosetail for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: CA050 / CA075 / CA100 / CA125 / CA150 / CA200 / CA250 / CA300 / CA400 / CA500 / CA600 / CA800 / CB050 / CB075 / CB100 / CB125 / CB150 / CB200 / CB250 / CB300 / CB400 / CB500 / CB600 / CP050 / CP075 / CP100 / CP125 / CP150 / CP200 / CP250 / CP300 / CP400 / CS050 / CS075 / CS100 / CS125 / CS150 / CS200 / CS250 / CS300 / CS400 / CS500 / CS600 / CS150DIN / CS200DIN

316 stainless camlock type C

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
CS050	Stainless steel 316	0.5	12.0	10
CS075	Stainless steel 316	0.75	20.0	10
CS100	Stainless steel 316	1.0	25.0	10
CS125	Stainless steel 316	1.25	32.0	10
CS150	Stainless steel 316	1.5	40.0	10
CS200	Stainless steel 316	2.0	50.0	10
CS250	Stainless steel 316	2.5	65.0	10
CS300	Stainless steel 316	3.0	80.0	8
CS400	Stainless steel 316	4.0	100.0	8
CS500	Stainless steel 316	5.0	125.0	8
CS600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type C. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type C - construction & conditions

Parameter	Specification
Arm material	Stainless steel

316 stainless camlock type C - construction & conditions

Parameter	Specification
Standard seal	NBR option; verify selected compound

316 stainless camlock type C. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type c

Part code	Material	Nominal size inch	Tail style
CS150DIN	Stainless steel 316	1.5	Smooth DIN tail
CS200DIN	Stainless steel 316	2.0	Smooth DIN tail

316 stainless camlock type c. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
CA050	Camlock type C - female coupler x hosetail	Aluminium	0.5 in	10
CA075	Camlock type C - female coupler x hosetail	Aluminium	0.75 in	10
CA100	Camlock type C - female coupler x hosetail	Aluminium	1 in	10
CA125	Camlock type C - female coupler x hosetail	Aluminium	1.25 in	10
CA150	Camlock type C - female coupler x hosetail	Aluminium	1.5 in	10
CA200	Camlock type C - female coupler x hosetail	Aluminium	2 in	10
CA250	Camlock type C - female coupler x hosetail	Aluminium	2.5 in	10
CA300	Camlock type C - female coupler x hosetail	Aluminium	3 in	8
CA400	Camlock type C - female coupler x hosetail	Aluminium	4 in	6
CA500	Camlock type C - female coupler x hosetail	Aluminium	5 in	5
CA600	Camlock type C - female coupler x hosetail	Aluminium	6 in	5

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
CA800	Camlock type C - female coupler x hosetail	Aluminium	8 in	5
CB050	Camlock type C - female coupler x hosetail	Brass	0.5 in	Confirm for this configuration
CB075	Camlock type C - female coupler x hosetail	Brass	0.75 in	Confirm for this configuration
CB100	Camlock type C - female coupler x hosetail	Brass	1 in	Confirm for this configuration
CB125	Camlock type C - female coupler x hosetail	Brass	1.25 in	Confirm for this configuration
CB150	Camlock type C - female coupler x hosetail	Brass	1.5 in	Confirm for this configuration
CB200	Camlock type C - female coupler x hosetail	Brass	2 in	Confirm for this configuration
CB250	Camlock type C - female coupler x hosetail	Brass	2.5 in	Confirm for this configuration
CB300	Camlock type C - female coupler x hosetail	Brass	3 in	Confirm for this configuration
CB400	Camlock type C - female coupler x hosetail	Brass	4 in	Confirm for this configuration
CB500	Camlock type C - female coupler x hosetail	Brass	5 in	Confirm for this configuration
CB600	Camlock type C - female coupler x hosetail	Brass	6 in	Confirm for this configuration
CP050	Camlock type C - female coupler x hosetail	Polypropylene	0.5 in	3
CP075	Camlock type C - female coupler x hosetail	Polypropylene	0.75 in	3
CP100	Camlock type C - female coupler x hosetail	Polypropylene	1 in	3
CP125	Camlock type C - female coupler x hosetail	Polypropylene	1.25 in	3
CP150	Camlock type C - female coupler x hosetail	Polypropylene	1.5 in	3
CP200	Camlock type C - female coupler x hosetail	Polypropylene	2 in	3
CP250	Camlock type C - female coupler x hosetail	Polypropylene	2.5 in	3
CP300	Camlock type C - female coupler x hosetail	Polypropylene	3 in	3
CP400	Camlock type C - female coupler x hosetail	Polypropylene	4 in	3

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

011 / Camlock type D - female coupler x female BSP

Camlock type D - female coupler x female BSP for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: DA050 / DA075 / DA100 / DA125 / DA150 / DA200 / DA250 / DA300 / DA400 / DA500 / DA600 / DA800 / DB050 / DB075 / DB100 / DB125 / DB150 / DB200 / DB250 / DB300 / DB400 / DB500 / DB600 / DP050 / DP075 / DP100 / DP125 / DP150 / DP200 / DP250 / DP300 / DP400 / DB400N / DB500N / DS050 / DS075 / DS100 / DS125 / DS150 / DS200 / DS250 / DS300 / DS400 / DS500 / DS600

316 stainless camlock type D

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
DS050	Stainless steel 316	0.5	12.0	10
DS075	Stainless steel 316	0.75	20.0	10
DS100	Stainless steel 316	1.0	25.0	10
DS125	Stainless steel 316	1.25	32.0	10
DS150	Stainless steel 316	1.5	40.0	10
DS200	Stainless steel 316	2.0	50.0	10
DS250	Stainless steel 316	2.5	65.0	10
DS300	Stainless steel 316	3.0	80.0	8
DS400	Stainless steel 316	4.0	100.0	8
DS500	Stainless steel 316	5.0	125.0	8
DS600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type D. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type D - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type D. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DA050	Camlock type D - female coupler x female BSP	Aluminium	0.5 in	10
DA075	Camlock type D - female coupler x female BSP	Aluminium	0.75 in	10
DA100	Camlock type D - female coupler x female BSP	Aluminium	1 in	10
DA125	Camlock type D - female coupler x female BSP	Aluminium	1.25 in	10
DA150	Camlock type D - female coupler x female BSP	Aluminium	1.5 in	10
DA200	Camlock type D - female coupler x female BSP	Aluminium	2 in	10
DA250	Camlock type D - female coupler x female BSP	Aluminium	2.5 in	10
DA300	Camlock type D - female coupler x female BSP	Aluminium	3 in	8
DA400	Camlock type D - female coupler x female BSP	Aluminium	4 in	6
DA500	Camlock type D - female coupler x female BSP	Aluminium	5 in	5
DA600	Camlock type D - female coupler x female BSP	Aluminium	6 in	5
DA800	Camlock type D - female coupler x female BSP	Aluminium	8 in	5
DB050	Camlock type D - female coupler x female BSP	Brass	0.5 in	Confirm for this configuration
DB075	Camlock type D - female coupler x female BSP	Brass	0.75 in	Confirm for this configuration
DB100	Camlock type D - female coupler x female BSP	Brass	1 in	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DB125	Camlock type D - female coupler x female BSP	Brass	1.25 in	Confirm for this configuration
DB150	Camlock type D - female coupler x female BSP	Brass	1.5 in	Confirm for this configuration
DB200	Camlock type D - female coupler x female BSP	Brass	2 in	Confirm for this configuration
DB250	Camlock type D - female coupler x female BSP	Brass	2.5 in	Confirm for this configuration
DB300	Camlock type D - female coupler x female BSP	Brass	3 in	Confirm for this configuration
DB400	Camlock type D - female coupler x female BSP	Brass	4 in	Confirm for this configuration
DB500	Camlock type D - female coupler x female BSP	Brass	5 in	Confirm for this configuration
DB600	Camlock type D - female coupler x female BSP	Brass	6 in	Confirm for this configuration
DP050	Camlock type D - female coupler x female BSP	Polypropylene	0.5 in	3
DP075	Camlock type D - female coupler x female BSP	Polypropylene	0.75 in	3
DP100	Camlock type D - female coupler x female BSP	Polypropylene	1 in	3
DP125	Camlock type D - female coupler x female BSP	Polypropylene	1.25 in	3
DP150	Camlock type D - female coupler x female BSP	Polypropylene	1.5 in	3
DP200	Camlock type D - female coupler x female BSP	Polypropylene	2 in	3
DP250	Camlock type D - female coupler x female BSP	Polypropylene	2.5 in	3
DP300	Camlock type D - female coupler x female BSP	Polypropylene	3 in	3
DP400	Camlock type D - female coupler x female BSP	Polypropylene	4 in	3
DB400N	Bronze NPT camlock type D, 4 inch	Bronze	4 in	Confirm for this configuration
DB500N	Bronze NPT camlock type D, 5 inch	Bronze	5 in	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

012 / Camlock type E - male adaptor x hosetail

Camlock type E - male adaptor x hosetail for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: EA050 / EA075 / EA100 / EA125 / EA150 / EA200 / EA250 / EA300 / EA400 / EA500 / EA600 / EA800 / EB050 / EB075 / EB100 / EB125 / EB150 / EB200 / EB250 / EB300 / EB400 / EB500 / EB600 / EP050 / EP075 / EP100 / EP125 / EP150 / EP200 / EP250 / EP300 / EP400 / ES050 / ES075 / ES100 / ES125 / ES150 / ES200 / ES250 / ES300 / ES400 / ES500 / ES600 / ES150DIN / ES200DIN

316 stainless camlock type E

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
ES050	Stainless steel 316	0.5	12.0	10
ES075	Stainless steel 316	0.75	20.0	10
ES100	Stainless steel 316	1.0	25.0	10
ES125	Stainless steel 316	1.25	32.0	10
ES150	Stainless steel 316	1.5	40.0	10
ES200	Stainless steel 316	2.0	50.0	10
ES250	Stainless steel 316	2.5	65.0	10
ES300	Stainless steel 316	3.0	80.0	8
ES400	Stainless steel 316	4.0	100.0	8
ES500	Stainless steel 316	5.0	125.0	8
ES600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type E. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type E - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type E. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type e

Part code	Material	Nominal size inch	Tail style
ES150DIN	Stainless steel 316	1.5	Smooth DIN tail
ES200DIN	Stainless steel 316	2.0	Smooth DIN tail

316 stainless camlock type e. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
EA050	Camlock type E - male adaptor x hosetail	Aluminium	0.5 in	10
EA075	Camlock type E - male adaptor x hosetail	Aluminium	0.75 in	10
EA100	Camlock type E - male adaptor x hosetail	Aluminium	1 in	10
EA125	Camlock type E - male adaptor x hosetail	Aluminium	1.25 in	10
EA150	Camlock type E - male adaptor x hosetail	Aluminium	1.5 in	10
EA200	Camlock type E - male adaptor x hosetail	Aluminium	2 in	10
EA250	Camlock type E - male adaptor x hosetail	Aluminium	2.5 in	10
EA300	Camlock type E - male adaptor x hosetail	Aluminium	3 in	8
EA400	Camlock type E - male adaptor x hosetail	Aluminium	4 in	6
EA500	Camlock type E - male adaptor x hosetail	Aluminium	5 in	5

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
EA600	Camlock type E - male adaptor x hosetail	Aluminium	6 in	5
EA800	Camlock type E - male adaptor x hosetail	Aluminium	8 in	5
EB050	Camlock type E - male adaptor x hosetail	Brass	0.5 in	Confirm for this configuration
EB075	Camlock type E - male adaptor x hosetail	Brass	0.75 in	Confirm for this configuration
EB100	Camlock type E - male adaptor x hosetail	Brass	1 in	Confirm for this configuration
EB125	Camlock type E - male adaptor x hosetail	Brass	1.25 in	Confirm for this configuration
EB150	Camlock type E - male adaptor x hosetail	Brass	1.5 in	Confirm for this configuration
EB200	Camlock type E - male adaptor x hosetail	Brass	2 in	Confirm for this configuration
EB250	Camlock type E - male adaptor x hosetail	Brass	2.5 in	Confirm for this configuration
EB300	Camlock type E - male adaptor x hosetail	Brass	3 in	Confirm for this configuration
EB400	Camlock type E - male adaptor x hosetail	Brass	4 in	Confirm for this configuration
EB500	Camlock type E - male adaptor x hosetail	Brass	5 in	Confirm for this configuration
EB600	Camlock type E - male adaptor x hosetail	Brass	6 in	Confirm for this configuration
EP050	Camlock type E - male adaptor x hosetail	Polypropylene	0.5 in	3
EP075	Camlock type E - male adaptor x hosetail	Polypropylene	0.75 in	3
EP100	Camlock type E - male adaptor x hosetail	Polypropylene	1 in	3
EP125	Camlock type E - male adaptor x hosetail	Polypropylene	1.25 in	3
EP150	Camlock type E - male adaptor x hosetail	Polypropylene	1.5 in	3
EP200	Camlock type E - male adaptor x hosetail	Polypropylene	2 in	3
EP250	Camlock type E - male adaptor x hosetail	Polypropylene	2.5 in	3
EP300	Camlock type E - male adaptor x hosetail	Polypropylene	3 in	3

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
EP400	Camlock type E - male adaptor x hosetail	Polypropylene	4 in	3

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

013 / Camlock type F - male adaptor x male BSP

Camlock type F - male adaptor x male BSP for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: FA050 / FA075 / FA100 / FA125 / FA150 / FA200 / FA250 / FA300 / FA400 / FA500 / FA600 / FA800 / FB050 / FB075 / FB100 / FB125 / FB150 / FB200 / FB250 / FB300 / FB400 / FB500 / FB600 / FP050 / FP075 / FP100 / FP125 / FP150 / FP200 / FP250 / FP300 / FP400 / FS050 / FS075 / FS100 / FS125 / FS150 / FS200 / FS250 / FS300 / FS400 / FS500 / FS600

316 stainless camlock type F

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
FS050	Stainless steel 316	0.5	12.0	10
FS075	Stainless steel 316	0.75	20.0	10
FS100	Stainless steel 316	1.0	25.0	10
FS125	Stainless steel 316	1.25	32.0	10
FS150	Stainless steel 316	1.5	40.0	10
FS200	Stainless steel 316	2.0	50.0	10
FS250	Stainless steel 316	2.5	65.0	10
FS300	Stainless steel 316	3.0	80.0	8
FS400	Stainless steel 316	4.0	100.0	8

316 stainless camlock type F

Part code	Material	Nominal size inch	Metric designation mm	Catalogue pressure rating bar
FS500	Stainless steel 316	5.0	125.0	8
FS600	Stainless steel 316	6.0	150.0	8

316 stainless camlock type F. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type F - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type F. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
FA050	Camlock type F - male adaptor x male BSP	Aluminium	0.5 in	10
FA075	Camlock type F - male adaptor x male BSP	Aluminium	0.75 in	10
FA100	Camlock type F - male adaptor x male BSP	Aluminium	1 in	10
FA125	Camlock type F - male adaptor x male BSP	Aluminium	1.25 in	10
FA150	Camlock type F - male adaptor x male BSP	Aluminium	1.5 in	10
FA200	Camlock type F - male adaptor x male BSP	Aluminium	2 in	10
FA250	Camlock type F - male adaptor x male BSP	Aluminium	2.5 in	10
FA300	Camlock type F - male adaptor x male BSP	Aluminium	3 in	8
FA400	Camlock type F - male adaptor x male BSP	Aluminium	4 in	6
FA500	Camlock type F - male adaptor x male BSP	Aluminium	5 in	5

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
FA600	Camlock type F - male adaptor x male BSP	Aluminium	6 in	5
FA800	Camlock type F - male adaptor x male BSP	Aluminium	8 in	5
FB050	Camlock type F - male adaptor x male BSP	Brass	0.5 in	Confirm for this configuration
FB075	Camlock type F - male adaptor x male BSP	Brass	0.75 in	Confirm for this configuration
FB100	Camlock type F - male adaptor x male BSP	Brass	1 in	Confirm for this configuration
FB125	Camlock type F - male adaptor x male BSP	Brass	1.25 in	Confirm for this configuration
FB150	Camlock type F - male adaptor x male BSP	Brass	1.5 in	Confirm for this configuration
FB200	Camlock type F - male adaptor x male BSP	Brass	2 in	Confirm for this configuration
FB250	Camlock type F - male adaptor x male BSP	Brass	2.5 in	Confirm for this configuration
FB300	Camlock type F - male adaptor x male BSP	Brass	3 in	Confirm for this configuration
FB400	Camlock type F - male adaptor x male BSP	Brass	4 in	Confirm for this configuration
FB500	Camlock type F - male adaptor x male BSP	Brass	5 in	Confirm for this configuration
FB600	Camlock type F - male adaptor x male BSP	Brass	6 in	Confirm for this configuration
FP050	Camlock type F - male adaptor x male BSP	Polypropylene	0.5 in	3
FP075	Camlock type F - male adaptor x male BSP	Polypropylene	0.75 in	3
FP100	Camlock type F - male adaptor x male BSP	Polypropylene	1 in	3
FP125	Camlock type F - male adaptor x male BSP	Polypropylene	1.25 in	3
FP150	Camlock type F - male adaptor x male BSP	Polypropylene	1.5 in	3
FP200	Camlock type F - male adaptor x male BSP	Polypropylene	2 in	3
FP250	Camlock type F - male adaptor x male BSP	Polypropylene	2.5 in	3
FP300	Camlock type F - male adaptor x male BSP	Polypropylene	3 in	3

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
FP400	Camlock type F - male adaptor x male BSP	Polypropylene	4 in	3

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

014 / Camlock type DC - female dust cap

Camlock type DC - female dust cap for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: DCA050 / DCA075 / DCA100 / DCA125 / DCA150 / DCA200 / DCA250 / DCA300 / DCA400 / DCA500 / DCA600 / DCA800 / DCB050 / DCB075 / DCB100 / DCB125 / DCB150 / DCB200 / DCB250 / DCB300 / DCB400 / DCB500 / DCB600 / DCP050 / DCP075 / DCP100 / DCP125 / DCP150 / DCP200 / DCP250 / DCP300 / DCP400 / DCS050 / DCS075 / DCS100 / DCS125 / DCS150 / DCS200 / DCS250 / DCS300 / DCS400 / DCS500 / DCS600

316 stainless camlock type DC

Part code	Material	Nominal size inch	Metric designation mm
DCS050	Stainless steel 316	0.5	12.0
DCS075	Stainless steel 316	0.75	20.0
DCS100	Stainless steel 316	1.0	25.0
DCS125	Stainless steel 316	1.25	32.0
DCS150	Stainless steel 316	1.5	40.0
DCS200	Stainless steel 316	2.0	50.0
DCS250	Stainless steel 316	2.5	65.0
DCS300	Stainless steel 316	3.0	80.0

316 stainless camlock type DC

Part code	Material	Nominal size inch	Metric designation mm
DCS400	Stainless steel 316	4.0	100.0
DCS500	Stainless steel 316	5.0	125.0
DCS600	Stainless steel 316	6.0	150.0

316 stainless camlock type DC. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type DC - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type DC. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DCA050	Camlock type DC - female dust cap	Aluminium	0.5 in	Confirm pressure-service approval for this closure
DCA075	Camlock type DC - female dust cap	Aluminium	0.75 in	Confirm pressure-service approval for this closure
DCA100	Camlock type DC - female dust cap	Aluminium	1 in	Confirm pressure-service approval for this closure
DCA125	Camlock type DC - female dust cap	Aluminium	1.25 in	Confirm pressure-service approval for this closure
DCA150	Camlock type DC - female dust cap	Aluminium	1.5 in	Confirm pressure-service approval for this closure
DCA200	Camlock type DC - female dust cap	Aluminium	2 in	Confirm pressure-service approval for this closure
DCA250	Camlock type DC - female dust cap	Aluminium	2.5 in	Confirm pressure-service approval for this closure
DCA300	Camlock type DC - female dust cap	Aluminium	3 in	Confirm pressure-service approval for this closure
DCA400	Camlock type DC - female dust cap	Aluminium	4 in	Confirm pressure-service approval for this closure

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DCA500	Camlock type DC - female dust cap	Aluminium	5 in	Confirm pressure-service approval for this closure
DCA600	Camlock type DC - female dust cap	Aluminium	6 in	Confirm pressure-service approval for this closure
DCA800	Camlock type DC - female dust cap	Aluminium	8 in	Confirm pressure-service approval for this closure
DCB050	Camlock type DC - female dust cap	Brass	0.5 in	Confirm pressure-service approval for this closure
DCB075	Camlock type DC - female dust cap	Brass	0.75 in	Confirm pressure-service approval for this closure
DCB100	Camlock type DC - female dust cap	Brass	1 in	Confirm pressure-service approval for this closure
DCB125	Camlock type DC - female dust cap	Brass	1.25 in	Confirm pressure-service approval for this closure
DCB150	Camlock type DC - female dust cap	Brass	1.5 in	Confirm pressure-service approval for this closure
DCB200	Camlock type DC - female dust cap	Brass	2 in	Confirm pressure-service approval for this closure
DCB250	Camlock type DC - female dust cap	Brass	2.5 in	Confirm pressure-service approval for this closure
DCB300	Camlock type DC - female dust cap	Brass	3 in	Confirm pressure-service approval for this closure
DCB400	Camlock type DC - female dust cap	Brass	4 in	Confirm pressure-service approval for this closure
DCB500	Camlock type DC - female dust cap	Brass	5 in	Confirm pressure-service approval for this closure
DCB600	Camlock type DC - female dust cap	Brass	6 in	Confirm pressure-service approval for this closure
DCP050	Camlock type DC - female dust cap	Polypropylene	0.5 in	Confirm pressure-service approval for this closure
DCP075	Camlock type DC - female dust cap	Polypropylene	0.75 in	Confirm pressure-service approval for this closure
DCP100	Camlock type DC - female dust cap	Polypropylene	1 in	Confirm pressure-service approval for this closure
DCP125	Camlock type DC - female dust cap	Polypropylene	1.25 in	Confirm pressure-service approval for this closure
DCP150	Camlock type DC - female dust cap	Polypropylene	1.5 in	Confirm pressure-service approval for this closure
DCP200	Camlock type DC - female dust cap	Polypropylene	2 in	Confirm pressure-service approval for this closure
DCP250	Camlock type DC - female dust cap	Polypropylene	2.5 in	Confirm pressure-service approval for this closure

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DCP300	Camlock type DC - female dust cap	Polypropylene	3 in	Confirm pressure-service approval for this closure
DCP400	Camlock type DC - female dust cap	Polypropylene	4 in	Confirm pressure-service approval for this closure

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

015 / Camlock type DP - male dust plug

Camlock type DP - male dust plug for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Available configurations: Aluminium; Brass; Polypropylene; Stainless steel 316

Ordering references: DPA050 / DPA075 / DPA100 / DPA125 / DPA150 / DPA200 / DPA250 / DPA300 / DPA400 / DPA500 / DPA600 / DPA800 / DPB050 / DPB075 / DPB100 / DPB125 / DPB150 / DPB200 / DPB250 / DPB300 / DPB400 / DPB500 / DPB600 / DPP050 / DPP075 / DPP100 / DPP125 / DPP150 / DPP200 / DPP250 / DPP300 / DPP400 / DPS050 / DPS075 / DPS100 / DPS125 / DPS150 / DPS200 / DPS250 / DPS300 / DPS400 / DPS500 / DPS600

316 stainless camlock type DP

Part code	Material	Nominal size inch	Metric designation mm
DPS050	Stainless steel 316	0.5	12.0
DPS075	Stainless steel 316	0.75	20.0
DPS100	Stainless steel 316	1.0	25.0
DPS125	Stainless steel 316	1.25	32.0
DPS150	Stainless steel 316	1.5	40.0
DPS200	Stainless steel 316	2.0	50.0
DPS250	Stainless steel 316	2.5	65.0

316 stainless camlock type DP

Part code	Material	Nominal size inch	Metric designation mm
DPS300	Stainless steel 316	3.0	80.0
DPS400	Stainless steel 316	4.0	100.0
DPS500	Stainless steel 316	5.0	125.0
DPS600	Stainless steel 316	6.0	150.0

316 stainless camlock type DP. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock type DP - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock type DP. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DPA050	Camlock type DP - male dust plug	Aluminium	0.5 in	Confirm pressure-service approval for this closure
DPA075	Camlock type DP - male dust plug	Aluminium	0.75 in	Confirm pressure-service approval for this closure
DPA100	Camlock type DP - male dust plug	Aluminium	1 in	Confirm pressure-service approval for this closure
DPA125	Camlock type DP - male dust plug	Aluminium	1.25 in	Confirm pressure-service approval for this closure
DPA150	Camlock type DP - male dust plug	Aluminium	1.5 in	Confirm pressure-service approval for this closure
DPA200	Camlock type DP - male dust plug	Aluminium	2 in	Confirm pressure-service approval for this closure
DPA250	Camlock type DP - male dust plug	Aluminium	2.5 in	Confirm pressure-service approval for this closure
DPA300	Camlock type DP - male dust plug	Aluminium	3 in	Confirm pressure-service approval for this closure

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DPA400	Camlock type DP - male dust plug	Aluminium	4 in	Confirm pressure-service approval for this closure
DPA500	Camlock type DP - male dust plug	Aluminium	5 in	Confirm pressure-service approval for this closure
DPA600	Camlock type DP - male dust plug	Aluminium	6 in	Confirm pressure-service approval for this closure
DPA800	Camlock type DP - male dust plug	Aluminium	8 in	Confirm pressure-service approval for this closure
DPB050	Camlock type DP - male dust plug	Brass	0.5 in	Confirm pressure-service approval for this closure
DPB075	Camlock type DP - male dust plug	Brass	0.75 in	Confirm pressure-service approval for this closure
DPB100	Camlock type DP - male dust plug	Brass	1 in	Confirm pressure-service approval for this closure
DPB125	Camlock type DP - male dust plug	Brass	1.25 in	Confirm pressure-service approval for this closure
DPB150	Camlock type DP - male dust plug	Brass	1.5 in	Confirm pressure-service approval for this closure
DPB200	Camlock type DP - male dust plug	Brass	2 in	Confirm pressure-service approval for this closure
DPB250	Camlock type DP - male dust plug	Brass	2.5 in	Confirm pressure-service approval for this closure
DPB300	Camlock type DP - male dust plug	Brass	3 in	Confirm pressure-service approval for this closure
DPB400	Camlock type DP - male dust plug	Brass	4 in	Confirm pressure-service approval for this closure
DPB500	Camlock type DP - male dust plug	Brass	5 in	Confirm pressure-service approval for this closure
DPB600	Camlock type DP - male dust plug	Brass	6 in	Confirm pressure-service approval for this closure
DPP050	Camlock type DP - male dust plug	Polypropylene	0.5 in	Confirm pressure-service approval for this closure
DPP075	Camlock type DP - male dust plug	Polypropylene	0.75 in	Confirm pressure-service approval for this closure
DPP100	Camlock type DP - male dust plug	Polypropylene	1 in	Confirm pressure-service approval for this closure
DPP125	Camlock type DP - male dust plug	Polypropylene	1.25 in	Confirm pressure-service approval for this closure
DPP150	Camlock type DP - male dust plug	Polypropylene	1.5 in	Confirm pressure-service approval for this closure
DPP200	Camlock type DP - male dust plug	Polypropylene	2 in	Confirm pressure-service approval for this closure

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
DPP250	Camlock type DP - male dust plug	Polypropylene	2.5 in	Confirm pressure-service approval for this closure
DPP300	Camlock type DP - male dust plug	Polypropylene	3 in	Confirm pressure-service approval for this closure
DPP400	Camlock type DP - male dust plug	Polypropylene	4 in	Confirm pressure-service approval for this closure

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

016 / 316 stainless steel camlock type C, three-arm

316 stainless steel camlock type C, three-arm for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: CS300-3 / CS400-3

316 stainless camlock c three arm

Part code	Material	Nominal size inch	Arm count	Catalogue pressure rating bar
CS300-3	Stainless steel 316	3.0	3	8
CS400-3	Stainless steel 316	4.0	3	8

316 stainless camlock c three arm. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock c three arm - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock c three arm. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

017 / 316 stainless steel camlock type D, three-arm

316 stainless steel camlock type D, three-arm for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: DS300-3 / DS400-3

316 stainless camlock d three arm

Part code	Material	Nominal size inch	Arm count	Catalogue pressure rating bar
DS300-3	Stainless steel 316	3.0	3	8
DS400-3	Stainless steel 316	4.0	3	8

316 stainless camlock d three arm. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock d three arm - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock d three arm. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

018 / Lockable stainless steel camlock dust cap

Lockable stainless steel camlock dust cap for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: DCS150LB / DCS200LB / DCS250LB / DCS300LB / DCS400LB

316 stainless camlock lockable dust cap

Part code	Material	Nominal size inch	Locking arms
DCS150LB	Stainless steel 316	1.5	Yes
DCS200LB	Stainless steel 316	2.0	Yes
DCS250LB	Stainless steel 316	2.5	Yes
DCS300LB	Stainless steel 316	3.0	Yes
DCS400LB	Stainless steel 316	4.0	Yes

316 stainless camlock lockable dust cap. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

316 stainless camlock lockable dust cap - construction & conditions

Parameter	Specification
Arm material	Stainless steel
Standard seal	NBR option; verify selected compound

316 stainless camlock lockable dust cap. Pressure bands apply only to these standard 316 stainless configurations; temperature and medium conditions require confirmation. Dust caps and plugs protect disconnected ends; pressure-closure suitability requires separate confirmation. Nominal metric and inch designations are identifiers, not measured passage dimensions.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

019 / Flanged stainless steel camlock female coupler

Flanged stainless steel camlock female coupler for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: FCS025ASA150 / FCS050ASA150 / FCS080ASA150 / FCS100ASA150 / FCS150ASA150 / FCS025T/D / FCS040T/D / FCS050T/D / FCS065T/D / FCS080T/D / FCS100T/D / FCS150T/D / FCS025PN16 / FCS050PN16 / FCS080PN16 / FCS100PN16 / FCS150PN16

316 stainless flanged camlock female coupler

Part code	Material	Nominal size inch	Flange designation	Flange pcd mm
FCS025ASA150	Stainless steel 316	1.0	ANSI class150	79.5
FCS050ASA150	Stainless steel 316	2.0	ANSI class150	120.5
FCS080ASA150	Stainless steel 316	3.0	ANSI class150	152.5
FCS100ASA150	Stainless steel 316	4.0	ANSI class150	190.5
FCS150ASA150	Stainless steel 316	6.0	ANSI class150	241.5
FCS025T/D	Stainless steel 316	1.0	Table D	90.0
FCS040T/D	Stainless steel 316	1.5	Table D	105.0
FCS050T/D	Stainless steel 316	2.0	Table D	120.0
FCS065T/D	Stainless steel 316	2.5	Table D	140.0
FCS080T/D	Stainless steel 316	3.0	Table D	150.0
FCS100T/D	Stainless steel 316	4.0	Table D	175.0
FCS150T/D	Stainless steel 316	6.0	Table D	240.0
FCS025PN16	Stainless steel 316	1.0	DIN PN16	85.0
FCS050PN16	Stainless steel 316	2.0	DIN PN16	125.0
FCS080PN16	Stainless steel 316	3.0	DIN PN16	160.0
FCS100PN16	Stainless steel 316	4.0	DIN PN16	180.0
FCS150PN16	Stainless steel 316	6.0	DIN PN16	240.0

316 stainless flanged camlock female coupler. PCD is the flange pitch-circle diameter. Match the complete drilling and mating flange before assembly. PN16 and class150 identify flange designs; they do not alone establish a working pressure for the complete camlock assembly.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

020 / Flanged stainless steel camlock male adaptor

Flanged stainless steel camlock male adaptor for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: FAS020ASA150 / FAS025ASA150 / FAS032ASA150 / FAS040ASA150 / FAS050ASA150 / FAS065ASA150 / FAS080ASA150 / FAS100ASA150 / FAS125ASA150 / FAS150ASA150 / FAS025T/D / FAS040T/D / FAS050T/D / FAS065T/D / FAS080T/D / FAS100T/D / FAS125T/D / FAS150T/D / FA020PN16SS / FA025PN16SS / FA032PN16SS / FA040PN16SS / FA050PN16SS / FA065PN16SS / FA080PN16SS / FA100PN16SS / FA125PN16SS / FA150PN16SS

[316 stainless flanged camlock male adaptor](#)

Part code	Material	Nominal size inch	Flange designation	Flange pcd mm
FAS020ASA150	Stainless steel 316	0.75	ANSI class150	70.0
FAS025ASA150	Stainless steel 316	1.0	ANSI class150	79.5
FAS032ASA150	Stainless steel 316	1.25	ANSI class150	89.0
FAS040ASA150	Stainless steel 316	1.5	ANSI class150	98.5
FAS050ASA150	Stainless steel 316	2.0	ANSI class150	120.5
FAS065ASA150	Stainless steel 316	2.5	ANSI class150	139.5
FAS080ASA150	Stainless steel 316	3.0	ANSI class150	152.5
FAS100ASA150	Stainless steel 316	4.0	ANSI class150	190.5
FAS125ASA150	Stainless steel 316	5.0	ANSI class150	216.0
FAS150ASA150	Stainless steel 316	6.0	ANSI class150	241.5
FAS025T/D	Stainless steel 316	1.0	Table D	90.0
FAS040T/D	Stainless steel 316	1.5	Table D	105.0
FAS050T/D	Stainless steel 316	2.0	Table D	120.0
FAS065T/D	Stainless steel 316	2.5	Table D	140.0

316 stainless flanged camlock male adaptor

Part code	Material	Nominal size inch	Flange designation	Flange pcd mm
FAS080T/D	Stainless steel 316	3.0	Table D	150.0
FAS100T/D	Stainless steel 316	4.0	Table D	175.0
FAS125T/D	Stainless steel 316	5.0	Table D	Confirm
FAS150T/D	Stainless steel 316	6.0	Table D	240.0
FA020PN16SS	Stainless steel 316	0.75	DIN PN16	75.0
FA025PN16SS	Stainless steel 316	1.0	DIN PN16	85.0
FA032PN16SS	Stainless steel 316	1.25	DIN PN16	100.0
FA040PN16SS	Stainless steel 316	1.5	DIN PN16	110.0
FA050PN16SS	Stainless steel 316	2.0	DIN PN16	125.0
FA065PN16SS	Stainless steel 316	2.5	DIN PN16	145.0
FA080PN16SS	Stainless steel 316	3.0	DIN PN16	160.0
FA100PN16SS	Stainless steel 316	4.0	DIN PN16	180.0
FA125PN16SS	Stainless steel 316	5.0	DIN PN16	210.0
FA150PN16SS	Stainless steel 316	6.0	DIN PN16	240.0

316 stainless flanged camlock male adaptor. PCD is the flange pitch-circle diameter. Match the complete drilling and mating flange before assembly. PN16 and class150 identify flange designs; they do not alone establish a working pressure for the complete camlock assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

021 / Stainless steel TTMA flanged adaptor

Stainless steel TTMA flanged adaptor for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: TTMA300

316 stainless TTMA fuel-offloading adaptor

Part code	Material	Male camlock nominal inch	Flange pcd mm
TTMA300	Stainless steel 316	3	124

316 stainless TTMA fuel-offloading adaptor. Match the TTMA flange and mating adaptor geometry. No assembly working pressure or temperature is inferred from flange designation.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

022 / Stainless steel butt-weld camlock type F

Stainless steel butt-weld camlock type F for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: FBW012 / FBW020 / FBW025 / FBW032 / FBW040 / FBW050 / FBW065 / FBW080 / FBW100

316 stainless camlock weldon f

Part code	Material	Nominal size inch	Weld end	Pipe schedule
FBW012	Stainless steel 316	0.5	Butt weld	Confirm
FBW020	Stainless steel 316	0.75	Butt weld	Confirm
FBW025	Stainless steel 316	1.0	Butt weld	40
FBW032	Stainless steel 316	1.25	Butt weld	40
FBW040	Stainless steel 316	1.5	Butt weld	40
FBW050	Stainless steel 316	2.0	Butt weld	40
FBW065	Stainless steel 316	2.5	Butt weld	40
FBW080	Stainless steel 316	3.0	Butt weld	40
FBW100	Stainless steel 316	4.0	Butt weld	40

316 stainless camlock weldon f. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

023 / Stainless steel socket-weld camlock type A

Stainless steel socket-weld camlock type A for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: ASW012 / ASW020 / ASW025 / ASW032 / ASW040 / ASW050 / ASW065 / ASW080 / ASW100

316 stainless camlock weldon a

Part code	Material	Nominal size inch	Weld end	Pipe schedule
ASW012	Stainless steel 316	0.5	Socket weld	Confirm
ASW020	Stainless steel 316	0.75	Socket weld	Confirm
ASW025	Stainless steel 316	1.0	Socket weld	40
ASW032	Stainless steel 316	1.25	Socket weld	40
ASW040	Stainless steel 316	1.5	Socket weld	40
ASW050	Stainless steel 316	2.0	Socket weld	40
ASW065	Stainless steel 316	2.5	Socket weld	40
ASW080	Stainless steel 316	3.0	Socket weld	40
ASW100	Stainless steel 316	4.0	Socket weld	40

316 stainless camlock weldon a. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

024 / Stainless steel butt-weld camlock type B

Stainless steel butt-weld camlock type B for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: BBW012 / BBW020 / BBW025 / BBW032 / BBW040 / BBW050 / BBW065 / BBW080 / BBW100

316 stainless camlock weldon b

Part code	Material	Nominal size inch	Weld end	Pipe schedule
BBW012	Stainless steel 316	0.5	Butt weld	Confirm
BBW020	Stainless steel 316	0.75	Butt weld	Confirm
BBW025	Stainless steel 316	1.0	Butt weld	40
BBW032	Stainless steel 316	1.25	Butt weld	40
BBW040	Stainless steel 316	1.5	Butt weld	40
BBW050	Stainless steel 316	2.0	Butt weld	40
BBW065	Stainless steel 316	2.5	Butt weld	40
BBW080	Stainless steel 316	3.0	Butt weld	40
BBW100	Stainless steel 316	4.0	Butt weld	40

316 stainless camlock weldon b. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

025 / Stainless steel socket-weld camlock type D

Stainless steel socket-weld camlock type D for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: DSW012 / DSW020 / DSW025 / DSW032 / DSW040 / DSW050 / DSW065 / DSW080 / DSW100

316 stainless camlock weldon d

Part code	Material	Nominal size inch	Weld end	Pipe schedule
DSW012	Stainless steel 316	0.5	Socket weld	Confirm
DSW020	Stainless steel 316	0.75	Socket weld	Confirm
DSW025	Stainless steel 316	1.0	Socket weld	40
DSW032	Stainless steel 316	1.25	Socket weld	40
DSW040	Stainless steel 316	1.5	Socket weld	40
DSW050	Stainless steel 316	2.0	Socket weld	40
DSW065	Stainless steel 316	2.5	Socket weld	40
DSW080	Stainless steel 316	3.0	Socket weld	40
DSW100	Stainless steel 316	4.0	Socket weld	40

316 stainless camlock weldon d. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

026 / Equal male-to-male stainless steel camlock adaptor

Equal male-to-male stainless steel camlock adaptor for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SAS050 / SAS075 / SAS100 / SAS125 / SAS150 / SAS200 / SAS250 / SAS300 / SAS400 / SAS500 / SAS600

316 stainless camlock male male equal

Part code	Material	End 1 nominal inch	End 2 nominal inch
SAS050	Stainless steel 316	0.5	0.5
SAS075	Stainless steel 316	0.75	Confirm

316 stainless camlock male male equal

Part code	Material	End 1 nominal inch	End 2 nominal inch
SAS100	Stainless steel 316	1.0	1.0
SAS125	Stainless steel 316	1.25	Confirm
SAS150	Stainless steel 316	1.5	Confirm
SAS200	Stainless steel 316	2.0	2.0
SAS250	Stainless steel 316	2.5	2.5
SAS300	Stainless steel 316	3.0	3.0
SAS400	Stainless steel 316	4.0	4.0
SAS500	Stainless steel 316	5.0	5.0
SAS600	Stainless steel 316	6.0	6.0

316 stainless camlock male male equal. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

027 / Reducing male-to-male stainless steel camlock adaptor

Reducing male-to-male stainless steel camlock adaptor for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SAS040X050 / SAS050X080 / SAS080X100

316 stainless camlock male male reducing

Part code	Material	End 1 nominal inch	End 2 nominal inch
SAS040X050	Stainless steel 316	1.5	2.0
SAS050X080	Stainless steel 316	2.0	3.0

316 stainless camlock male male reducing

Part code	Material	End 1 nominal inch	End 2 nominal inch
SAS080X100	Stainless steel 316	3.0	4.0

316 stainless camlock male male reducing. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

028 / Reducing female-to-male stainless steel camlock adaptor

Reducing female-to-male stainless steel camlock adaptor for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SCAS040X025 / SCAS080X040 / SCAS080X050 / SCAS100X050 / SCAS100X080

316 stainless camlock female male reducing

Part code	Material	Female end nominal inch	Male end nominal inch
SCAS040X025	Stainless steel 316	1.5	1.0
SCAS080X040	Stainless steel 316	3.0	1.5
SCAS080X050	Stainless steel 316	3.0	2.0
SCAS100X050	Stainless steel 316	4.0	2.0
SCAS100X080	Stainless steel 316	4.0	3.0

316 stainless camlock female male reducing. Weld-end compatibility, pipe schedule and weld procedure must match the selected assembly. No pressure rating is transferred from another camlock construction. Confirm both end sizes for SAS125 and SAS150 before manufacture.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

029 / Camlock replacement seals

Camlock replacement seals for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Camlock replacement seals - NBR

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWB050	NBR	0.5	12.0	-50	120
RWB075	NBR	0.75	20.0	-50	120
RWB100	NBR	1.0	25.0	-50	120
RWB125	NBR	1.25	32.0	-50	120
RWB150	NBR	1.5	40.0	-50	120
RWB200	NBR	2.0	50.0	-50	120
RWB250	NBR	2.5	65.0	-50	120
RWB300	NBR	3.0	80.0	-50	120
RWB400	NBR	4.0	100.0	-50	120
RWB500	NBR	5.0	125.0	-50	120
RWB600	NBR	6.0	150.0	-50	120

Camlock replacement seals - NBR. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - Chloroprene

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWN050	Chloroprene	0.5	12.0	-50	110
RWN075	Chloroprene	0.75	20.0	-50	110
RWN100	Chloroprene	1.0	25.0	-50	110

Camlock replacement seals - Chloroprene

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWN125	Chloroprene	1.25	32.0	-50	110
RWN150	Chloroprene	1.5	40.0	-50	110
RWN200	Chloroprene	2.0	50.0	-50	110
RWN250	Chloroprene	2.5	65.0	-50	110
RWN300	Chloroprene	3.0	80.0	-50	110
RWN400	Chloroprene	4.0	100.0	-50	110
RWN500	Chloroprene	5.0	125.0	-50	110
RWN600	Chloroprene	6.0	150.0	-50	110

Camlock replacement seals - Chloroprene. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - EPDM

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWE050	EPDM	0.5	12.0	-40	145
RWE075	EPDM	0.75	20.0	-40	145
RWE100	EPDM	1.0	25.0	-40	145
RWE125	EPDM	1.25	32.0	-40	145
RWE150	EPDM	1.5	40.0	-40	145
RWE200	EPDM	2.0	50.0	-40	145
RWE250	EPDM	2.5	65.0	-40	145
RWE300	EPDM	3.0	80.0	-40	145
RWE400	EPDM	4.0	100.0	-40	145

Camlock replacement seals - EPDM

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWE500	EPDM	5.0	125.0	-40	145
RWE600	EPDM	6.0	150.0	-40	145

Camlock replacement seals - EPDM. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - PTFE envelope / NBR core

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWTE050	PTFE envelope / NBR core	0.5	12.0	-40	120
RWTE075	PTFE envelope / NBR core	0.75	20.0	-40	120
RWTE100	PTFE envelope / NBR core	1.0	25.0	-40	120
RWTE125	PTFE envelope / NBR core	1.25	32.0	-40	120
RWTE150	PTFE envelope / NBR core	1.5	40.0	-40	120
RWTE200	PTFE envelope / NBR core	2.0	50.0	-40	120
RWTE250	PTFE envelope / NBR core	2.5	65.0	-40	120
RWTE300	PTFE envelope / NBR core	3.0	80.0	-40	120
RWTE400	PTFE envelope / NBR core	4.0	100.0	-40	120
RWTE500	PTFE envelope / NBR core	5.0	125.0	-40	120
RWTE600	PTFE envelope / NBR core	6.0	150.0	-40	120

Camlock replacement seals - PTFE envelope / NBR core. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - Silicone

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWSI012	Silicone	0.5	12.0	-70	250

Camlock replacement seals - Silicone

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWSI020	Silicone	0.75	20.0	-70	250
RWSI025	Silicone	1.0	25.0	-70	250
RWSI032	Silicone	1.25	32.0	-70	250
RWSI040	Silicone	1.5	40.0	-70	250
RWSI050	Silicone	2.0	50.0	-70	250
RWSI065	Silicone	2.5	65.0	-70	250
RWSI080	Silicone	3.0	80.0	-70	250
RWSI100	Silicone	4.0	100.0	-70	250
RWSI125	Silicone	5.0	125.0	-70	250
RWSI150	Silicone	6.0	150.0	-70	250

Camlock replacement seals - Silicone. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - FKM

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWV050	FKM	0.5	12.0	-20	200
RWV075	FKM	0.75	20.0	-20	200
RWV100	FKM	1.0	25.0	-20	200
RWV125	FKM	1.25	32.0	-20	200
RWV150	FKM	1.5	40.0	-20	200
RWV200	FKM	2.0	50.0	-20	200
RWV250	FKM	2.5	65.0	-20	200

Camlock replacement seals - FKM

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWV300	FKM	3.0	80.0	-20	200
RWV400	FKM	4.0	100.0	-20	200
RWV500	FKM	5.0	125.0	-20	200
RWV600	FKM	6.0	150.0	-20	200

Camlock replacement seals - FKM. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Camlock replacement seals - PTFE

Part code	Seal material	Nominal size inch	Metric designation mm	Compound temperature min c (°C)	Compound temperature max c (°C)
RWF050	PTFE	0.5	12.0	-25	100
RWF250	PTFE	2.5	65.0	-25	100
RWF075	PTFE	0.75	20.0	-25	100
RWF300	PTFE	3.0	80.0	-25	100
RWF100	PTFE	1.0	25.0	-25	100
RWF400	PTFE	4.0	100.0	-25	100
RWF125	PTFE	1.25	32.0	-25	100
RWF500	PTFE	5.0	125.0	-25	100
RWF150	PTFE	1.5	40.0	-25	100
RWF600	PTFE	6.0	150.0	-25	100
RWF200	PTFE	2.0	50.0	-25	100

Camlock replacement seals - PTFE. Temperature ranges describe these gasket compounds, not the complete coupling or a guaranteed chemical-pressure-temperature combination. Select compound, medium, concentration, seal profile and mechanical fit together. Colour marking alone is not sufficient identification for replacement.

Illustrated flat camlock gasket profile

Nominal designation mm	Nominal designation inch	Gasket od mm	Gasket id mm	Gasket thickness mm
15	0.5	26	17	4
20	0.75	35	22	5.54
25	1	40	27	6.35
32	1.25	49	35	6.35
40	1.5	56	41	6.35
50	2	67	51	6.35
65	2.5	79	60	6.35
80	3	94	76	6.35
100	4	124	102	6.35
125	5	149	124	6.35
150	6	180	154	6.35

Illustrated flat camlock gasket profile. Dimensions apply to the illustrated flat-gasket profile. Verify the selected material and envelope/profile geometry before fitting; these dimensions are not assigned to every seal code.

Ordering references / complete index

RWB050 / RWB075 / RWB100 / RWB125 / RWB150 / RWB200 / RWB250 / RWB300 / RWB400 / RWB500 / RWB600 / RWN050 / RWN075 / RWN100 / RWN125 / RWN150 / RWN200 / RWN250 / RWN300 / RWN400 / RWN500 / RWN600 / RWE050 / RWE075 / RWE100 / RWE125 / RWE150 / RWE200 / RWE250 / RWE300 / RWE400 / RWE500 / RWE600 / RWTE050 / RWTE075 / RWTE100 / RWTE125 / RWTE150 / RWTE200 / RWTE250 / RWTE300 / RWTE400 / RWTE500 / RWTE600 / RWSI012 / RWSI025 / RWSI032 / RWSI040 / RWSI050 / RWSI065 / RWSI080 / RWSI100 / RWSI125 / RWSI150 / RWV050 / RWV075 / RWV100 / RWV125 / RWV150 / RWV200 / RWV250 / RWV300 / RWV400 / RWV500 / RWV600 / RWF050 / RWF250 / RWF075 / RWF300 / RWF100 / RWF400 / RWF125 / RWF500 / RWF150 / RWF600 / RWF200

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

030 / European two-claw coupling - BSPT male

European two-claw coupling - BSPT male for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT1005 / RT1004 / RT1001 / RT1002 / RT1003 / RT1006 / RTS1001 / RTS1002 / RTS1003

Claw coupling EU - male bspt

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RT1005	EU	2	0.25	6.0	Mild steel	16
RT1004	EU	2	0.375	10.0	Mild steel	16
RT1001	EU	2	0.5	12.0	Mild steel	16
RT1002	EU	2	0.75	20.0	Mild steel	16
RT1003	EU	2	1.0	25.0	Mild steel	16
RT1006	EU	2	1.25	32.0	Mild steel	16
RTS1001	EU	2	0.5	12.0	Stainless steel 316	16
RTS1002	EU	2	0.75	20.0	Stainless steel 316	16
RTS1003	EU	2	1.0	25.0	Stainless steel 316	16

Claw coupling EU - male bspt. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling EU - male bspt - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling EU - male bspt. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

031 / European two-claw coupling - BSP female

European two-claw coupling - BSP female for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT0005 / RT0004 / RT0001 / RT0002 / RT0003 / RT0006 / RTS0001 / RTS0002 / RTS0003

Claw coupling EU - female bsp

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RT0005	EU	2	0.25	6.0	Mild steel	16
RT0004	EU	2	0.375	10.0	Mild steel	16
RT0001	EU	2	0.5	12.0	Mild steel	16
RT0002	EU	2	0.75	20.0	Mild steel	16
RT0003	EU	2	1.0	25.0	Mild steel	16
RT0006	EU	2	1.25	32.0	Mild steel	16
RTS0001	EU	2	0.5	12.0	Stainless steel 316	16
RTS0002	EU	2	0.75	20.0	Stainless steel 316	16
RTS0003	EU	2	1.0	25.0	Stainless steel 316	16

Claw coupling EU - female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling EU - female bsp - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling EU - female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

032 / European two-claw coupling - Hosetail

European two-claw coupling - Hosetail for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT2004 / RT2004-B / RT2001 / RT2001-B / RT2002 / RT2002-B / RT2003 / RT2003-B / RT2005-B / RTS2004 / RTS2001 / RTS2002 / RTS2003

Claw coupling EU - hosetail

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar	Tail construction
RT2004	EU	2	0.375	10.0	Mild steel	16	Confirm
RT2004-B	EU	2	0.375	10.0	Mild steel	16	With collar
RT2001	EU	2	0.5	12.0	Mild steel	16	Confirm
RT2001-B	EU	2	0.5	12.0	Mild steel	16	With collar
RT2002	EU	2	0.75	20.0	Mild steel	16	Confirm
RT2002-B	EU	2	0.75	20.0	Mild steel	16	With collar
RT2003	EU	2	1.0	25.0	Mild steel	16	Confirm
RT2003-B	EU	2	1.0	25.0	Mild steel	16	With collar
RT2005-B	EU	2	1.25	32.0	Mild steel	16	With collar
RTS2004	EU	2	0.375	10.0	Stainless steel 316	16	Confirm
RTS2001	EU	2	0.5	12.0	Stainless steel 316	16	Confirm
RTS2002	EU	2	0.75	20.0	Stainless steel 316	16	Confirm
RTS2003	EU	2	1.0	25.0	Stainless steel 316	16	Confirm

Claw coupling EU - hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling EU - hosetail - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling EU - hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hositails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

033 / US two-claw coupling - BSPT male

US two-claw coupling - BSPT male for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT4229 / RT4221 / RT4222 / RT4223 / RT4224 / RT4225 / RT4226 / RT4227 / RT4228 / RTS4226 / RTS4227 / RTS4228

Claw coupling US - male bspt

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RT4229	US	2	0.25	8.0	Mild steel	16
RT4221	US	2	0.375	10.0	Mild steel	16
RT4222	US	2	0.5	12.0	Mild steel	16
RT4223	US	2	0.75	20.0	Mild steel	16
RT4224	US	2	1.0	25.0	Mild steel	16
RT4225	US	2	0.375	10.0	Brass	16
RT4226	US	2	0.5	12.0	Brass	16
RT4227	US	2	0.75	20.0	Brass	16
RT4228	US	2	1.0	25.0	Brass	16

Claw coupling US - male bspt

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RTS4226	US	2	0.5	12.0	Stainless steel 316	16
RTS4227	US	2	0.75	20.0	Stainless steel 316	16
RTS4228	US	2	1.0	25.0	Stainless steel 316	16

Claw coupling US - male bspt. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - male bspt - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - male bspt. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

034 / US two-claw coupling - BSP female

US two-claw coupling - BSP female for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT4119 / RT4111 / RT4112 / RT4113 / RT4114 / RT4115 / RT4116 / RT4117 / RT4118 / RTS4116 / RTS4117 / RTS4118

Claw coupling US - female bsp

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RT4119	US	2	0.25	8.0	Mild steel	16
RT4111	US	2	0.375	10.0	Mild steel	16

Claw coupling US - female bsp

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Working pressure bar
RT4112	US	2	0.5	12.0	Mild steel	16
RT4113	US	2	0.75	20.0	Mild steel	16
RT4114	US	2	1.0	25.0	Mild steel	16
RT4115	US	2	0.375	10.0	Brass	16
RT4116	US	2	0.5	12.0	Brass	16
RT4117	US	2	0.75	20.0	Brass	16
RT4118	US	2	1.0	25.0	Brass	16
RTS4116	US	2	0.5	12.0	Stainless steel 316	16
RTS4117	US	2	0.75	20.0	Stainless steel 316	16
RTS4118	US	2	1.0	25.0	Stainless steel 316	16

Claw coupling US - female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - female bsp - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

035 / US two-claw coupling - Hosetail

US two-claw coupling - Hosetail for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT4001 / RT4002 / RTCS4002 / RT4003 / RT4004 / RT4005 / RT4006 / RT4007 / RT4008 / RTS4005 / RTS4006 / RTS4007 / RTS4008

Claw coupling US - hosetail

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material	Tail construction
RT4001	US	2	0.375	10.0	Mild steel	Confirm
RT4002	US	2	0.5	12.0	Mild steel	Confirm
RTCS4002	US	2	0.5	12.0	Mild steel	With crimping sleeve
RT4003	US	2	0.75	20.0	Mild steel	Confirm
RT4004	US	2	1.0	25.0	Mild steel	Confirm
RT4005	US	2	0.375	10.0	Brass	Confirm
RT4006	US	2	0.5	12.0	Brass	Confirm
RT4007	US	2	0.75	20.0	Brass	Confirm
RT4008	US	2	1.0	25.0	Brass	Confirm
RTS4005	US	2	0.375	10.0	Stainless steel 316	Confirm
RTS4006	US	2	0.5	12.0	Stainless steel 316	Confirm
RTS4007	US	2	0.75	20.0	Stainless steel 316	Confirm
RTS4008	US	2	1.0	25.0	Stainless steel 316	Confirm

Claw coupling US - hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - hosetail - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

036 / US four-claw coupling - BSP female

US four-claw coupling - BSP female for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT4441 / RT4442 / RT4443 / RT4438 / RT4439 / RT4440 / RTS4444

Claw coupling US - four female bsp

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material
RT4441	US	4	1.25	32.0	Mild steel
RT4442	US	4	1.5	40.0	Mild steel
RT4443	US	4	2.0	50.0	Mild steel
RT4438	US	4	1.25	32.0	Brass
RT4439	US	4	1.5	40.0	Brass
RT4440	US	4	2.0	50.0	Brass
RTS4444	US	4	1.5	40.0	Stainless steel 316

Claw coupling US - four female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - four female bsp - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - four female bsp. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

037 / US four-claw coupling - Hosetail

US four-claw coupling - Hosetail for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT4331 / RT4332 / RT4333 / RT4435 / RT4436 / RT4437 / RTS4334

Claw coupling US - four hosetail

Part code	Connection pattern	Claw count	Nominal size inch	Metric designation mm	Material
RT4331	US	4	1.25	32.0	Mild steel
RT4332	US	4	1.5	40.0	Mild steel
RT4333	US	4	2.0	50.0	Mild steel
RT4435	US	4	1.25	32.0	Brass
RT4436	US	4	1.5	40.0	Brass
RT4437	US	4	2.0	50.0	Brass
RTS4334	US	4	1.5	40.0	Stainless steel 316

Claw coupling US - four hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - four hosetail - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - four hosetail. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hositails or four-claw variants. No generic temperature or torque value is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

038 / Water-service claw couplings

Water-service claw couplings for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: GCF010 / GCF012 / GCF020 / GCF025 / GCF032 / GCF040 / GCM010 / GCM012 / GCM020 / GCM025 / GCM032 / GCM040 / GCT010 / GCT012 / GCT016 / GCT020 / GCT025 / GCT032 / GCT040

Brass water-service claw connection variants / column group 1 of 2

Part code	Material	Connection	Nominal size inch	Working pressure max bar	Temperature min c (°C)	Temperature max c (°C)	Seal material	Metric designation mm
GCF010	Hot-pressed brass	Female Thread Bsp	0.375	6	-30	60	NBR	10.0
GCF012	Hot-pressed brass	Female Thread Bsp	0.5	6	-30	60	NBR	12.0
GCF020	Hot-pressed brass	Female Thread Bsp	0.75	6	-30	60	NBR	20.0
GCF025	Hot-pressed brass	Female Thread Bsp	1.0	6	-30	60	NBR	25.0
GCF032	Hot-pressed brass	Female Thread Bsp	1.25	6	-30	60	NBR	32.0
GCF040	Hot-pressed brass	Female Thread Bsp	1.5	6	-30	60	NBR	40.0
GCM010	Hot-pressed brass	Male Thread Bsp	0.375	6	-30	60	NBR	10.0
GCM012	Hot-pressed brass	Male Thread Bsp	0.5	6	-30	60	NBR	12.0
GCM020	Hot-pressed brass	Male Thread Bsp	0.75	6	-30	60	NBR	20.0

Brass water-service claw connection variants / column group 1 of 2

Part code	Material	Connection	Nominal size inch	Working pressure max bar	Temperature min c (°C)	Temperature max c (°C)	Seal material	Metric designation mm
GCM025	Hot-pressed brass	Male Thread Bsp	1.0	6	-30	60	NBR	25.0
GCM032	Hot-pressed brass	Male Thread Bsp	1.25	6	-30	60	NBR	32.0
GCM040	Hot-pressed brass	Male Thread Bsp	1.5	6	-30	60	NBR	40.0
GCT010	Hot-pressed brass	Hosetail	0.375	6	-30	60	NBR	10.0
GCT012	Hot-pressed brass	Hosetail	0.5	6	-30	60	NBR	12.0
GCT016	Hot-pressed brass	Hosetail	Confirm	6	-30	60	NBR	Confirm
GCT020	Hot-pressed brass	Hosetail	0.75	6	-30	60	NBR	20.0
GCT025	Hot-pressed brass	Hosetail	1.0	6	-30	60	NBR	25.0
GCT032	Hot-pressed brass	Hosetail	1.25	6	-30	60	NBR	32.0
GCT040	Hot-pressed brass	Hosetail	1.5	6	-30	60	NBR	40.0

Identifying columns are repeated. Read all column groups together for the complete row specification.

Brass water-service claw connection variants / column group 2 of 2

Part code	Hosetail od mm
GCF010	Confirm
GCF012	Confirm
GCF020	Confirm
GCF025	Confirm
GCF032	Confirm
GCF040	Confirm
GCM010	Confirm
GCM012	Confirm

Brass water-service claw connection variants / column group 2 of 2

Part code	Hosetail od mm
GCM020	Confirm
GCM025	Confirm
GCM032	Confirm
GCM040	Confirm
GCT010	Confirm
GCT012	Confirm
GCT016	16
GCT020	Confirm
GCT025	Confirm
GCT032	Confirm
GCT040	Confirm

Identifying columns are repeated. Read all column groups together for the complete row specification.

Brass water-service claw connection variants. Maximum working pressure: 6 bar; compound temperature range: -30°C to 60°C. Select the actual pressure-temperature combination, water duty and seal compatibility for the assembly. The 16 mm dimension on GCT016 is explicitly hosetail outside diameter; other metric numbers are nominal designations.

Brass water-service claw connection variants - construction & conditions

Parameter	Specification
Thread standard	ISO228/1 BSP
Brass copper content percent min	57
Brass lead content percent max	0.3

Brass water-service claw connection variants. Maximum working pressure: 6 bar; compound temperature range: -30°C to 60°C. Select the actual pressure-temperature combination, water duty and seal compatibility for the assembly. The 16 mm dimension on GCT016 is explicitly hosetail outside diameter; other metric numbers are nominal designations.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

039 / Symmetrical fire-hose coupling - Hosetail

Symmetrical fire-hose coupling - Hosetail for symmetrical-lug hose and threaded connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SCH020 / SCH025 / SCH032 / SCH040 / SCH050 / SCH/S050 / SCH065 / SCH070 / SCH080 / SCH081 / SCH100 / SCH101 / SCH/S100 / SCH115 / SCH133 / SCH133FS / SCH125 / SCH150 / SCH200 / SCH250

Symmetrical lug coupling - hosetail

Part code	Nominal size inch	Lug designation	Material	Configuration	Hosetail metric designation mm	Lug count
SCH020	0.75	31	Aluminium	Confirm	Confirm	Confirm
SCH025	1.0	31	Aluminium	Confirm	Confirm	Confirm
SCH032	1.25	44	Aluminium	Confirm	Confirm	Confirm
SCH040	1.5	51	Aluminium	Confirm	Confirm	Confirm
SCH050	2.0	66	Aluminium	Confirm	Confirm	Confirm
SCH/S050	2.0	66	Stainless steel316	Confirm	Confirm	Confirm
SCH065	2.5	81	Aluminium	Confirm	Confirm	Confirm
SCH070	2.5	89	Aluminium	Confirm	Confirm	Confirm
SCH080	3.0	89	Aluminium	Confirm	Confirm	Confirm
SCH081	3.0	89	Aluminium head / steel tail	Confirm	Confirm	Confirm
SCH100	4.0	133	Aluminium	Confirm	Confirm	Confirm
SCH101	4.0	133	Aluminium	Special133-lug configuration; drawing confirmation required	Confirm	Confirm
SCH/S100	4.0	133	Stainless steel316	Confirm	Confirm	Confirm
SCH115	4.0	115	Aluminium	Fire-fighting lug pattern	Confirm	Confirm
SCH133	4.0	133	Aluminium head / steel tail	Confirm	Confirm	Confirm

Symmetrical lug coupling - hosetail

Part code	Nominal size inch	Lug designation	Material	Configuration	Hosetail metric designation mm	Lug count
SCH133FS	4.0	133	Steel	Confirm	Confirm	Confirm
SCH125	5.0	148	Aluminium	Confirm	Confirm	Confirm
SCH150	6.0	160	Aluminium	Confirm	Confirm	Confirm
SCH200	8.0	220	Aluminium	Confirm	205	2
SCH250	10.0	278	Aluminium	Confirm	258	3

Symmetrical lug coupling - hosetail. Match lug designation, claw count, nominal end size and material; nominal hose size alone does not establish compatibility. Lug designations are retained as identifiers; no unit is guessed for an unlabelled lug number. Pressure requires exact construction confirmation: an aluminium6-8 bar note and a broader16 bar family claim must not be flattened into one rating.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

040 / Symmetrical fire-hose coupling - Female BSP

Symmetrical fire-hose coupling - Female BSP for symmetrical-lug hose and threaded connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SCF020 / SCF025 / SCF032 / SCF040 / SCF050 / SCF050SW / SCF/S050 / SCF065 / SCF070 / SCF080 / SCF080SW / SCF100 / SCF100SW / SCF/S100 / SCF115 / SCF133 FS / SCF125 / SCF150 / SCF200 / SCF250

Symmetrical lug coupling - female bsp

Part code	Nominal size inch	Lug designation	Material	Thread construction	Configuration
SCF020	0.75	31	Aluminium	Confirm	Confirm
SCF025	1.0	31	Aluminium	Confirm	Confirm
SCF032	1.25	44	Aluminium	Confirm	Confirm
SCF040	1.5	51	Aluminium	Confirm	Confirm
SCF050	2.0	66	Aluminium	Confirm	Confirm

Symmetrical lug coupling - female bsp

Part code	Nominal size inch	Lug designation	Material	Thread construction	Configuration
SCF050SW	2.0	66	Aluminium	Swivel BSP thread	Confirm
SCF/S050	2.0	66	Stainless steel316	Confirm	Confirm
SCF065	2.5	81	Aluminium	Confirm	Confirm
SCF070	2.5	89	Aluminium	Confirm	Confirm
SCF080	3.0	89	Aluminium	Confirm	Confirm
SCF080SW	3.0	89	Aluminium	Swivel BSP thread	Confirm
SCF100	4.0	133	Aluminium	Confirm	Confirm
SCF100SW	4.0	133	Aluminium	Swivel BSP thread	Confirm
SCF/S100	4.0	133	Stainless steel316	Confirm	Confirm
SCF115	4.0	115	Aluminium	Confirm	Fire-fighting lug pattern
SCF133 FS	4.0	133	Steel	Confirm	Confirm
SCF125	5.0	148	Aluminium	Confirm	Confirm
SCF150	6.0	160	Aluminium	Confirm	Confirm
SCF200	8.0	220	Aluminium	Confirm	Confirm
SCF250	10.0	278	Aluminium	Confirm	Confirm

Symmetrical lug coupling - female bsp. Match lug designation, claw count, nominal end size and material; nominal hose size alone does not establish compatibility. Lug designations are retained as identifiers; no unit is guessed for an unlabelled lug number. Pressure requires exact construction confirmation: an aluminium6-8 bar note and a broader16 bar family claim must not be flattened into one rating.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

041 / Symmetrical fire-hose coupling - Blind end cap

Symmetrical fire-hose coupling - Blind end cap for symmetrical-lug hose and threaded connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SCB025 / SCB032 / SCB040 / SCB050 / SCB/S050 / SCB065 / SCB080 / SCB100 / SCB/S100 / SCB115 / SCB125 / SCB150 / SCB200 / SCB250

Symmetrical lug coupling - cap

Part code	Nominal size inch	Lug designation	Material	Configuration
SCB025	1.0	31	Aluminium	Confirm
SCB032	1.25	44	Aluminium	Confirm
SCB040	1.5	51	Aluminium	Confirm
SCB050	2.0	66	Aluminium	Confirm
SCB/S050	2.0	66	Stainless steel316	Confirm
SCB065	2.5	81	Aluminium	Confirm
SCB080	3.0	89	Aluminium	Confirm
SCB100	4.0	133	Aluminium	Confirm
SCB/S100	4.0	133	Stainless steel316	Confirm
SCB115	4.0	115	Aluminium	Fire-fighting lug pattern
SCB125	5.0	148	Aluminium	Confirm
SCB150	6.0	160	Aluminium	Confirm
SCB200	8.0	220	Aluminium	Confirm
SCB250	10.0	278	Aluminium	Confirm

Symmetrical lug coupling - cap. Match lug designation, claw count, nominal end size and material; nominal hose size alone does not establish compatibility. Lug designations are retained as identifiers; no unit is guessed for an unlabelled lug number. Pressure requires exact construction confirmation: an aluminium6-8 bar note and a broader16 bar family claim must not be flattened into one rating.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

042 / Lever-lock coupling pattern P - male x male BSP

Lever-lock coupling pattern P - male x male BSP for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCMT050 / PCMT089 / PCMT100 / PCMT150

Pattern references: KVG / QC75

Lever-lock pattern P - male bspt

Part code	Material	Nominal head size inch	Max working pressure bar	Male thread metric designation mm	Thread family	Configuration reference	Dimensional reference
PCMT050	Galvanized mild steel	2.0	10	50.0	BSP	KVG QC75	50X50
PCMT089	Galvanized mild steel	3.0	10	75.0	BSP	KVG QC75	89X80
PCMT100	Galvanized mild steel	4.0	10	100.0	BSP	KVG QC75	108X100
PCMT150	Galvanized mild steel	6.0	10	150.0	BSP	KVG QC75	159X150

Lever-lock pattern P - male bspt. The10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

043 / Lever-lock coupling pattern P - male hosetail

Lever-lock coupling pattern P - male hosetail for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCMHT050 / PCMHT089 / PCMHT080B / PCMHT089B / PCMHT100 / PCMHT100B / PCMHT101 / PCMHT150 / PCMHT150B / PCMHT151

Pattern references: KVS / QC78

Lever-lock pattern P - male hosetail

Part code	Material	Nominal head size inch	Max working pressure bar	Hosetail size mm	Tail style	Configuration reference	Dimensional reference
PCMHT050	Galvanized mild steel	2.0	10	50.0	Serrated / standard	KVS QC78	50X50

Lever-lock pattern P - male hosetail

Part code	Material	Nominal head size inch	Max working pressure bar	Hosetail size mm	Tail style	Configuration reference	Dimensional reference
PCMHT089	Galvanized mild steel	3.0	10	75.0	Serrated / standard	KVS QC78	89X80
PCMHT080B	Galvanized mild steel	3.0	10	75.0	Bump	KVS QC78	89X80
PCMHT089B	Galvanized mild steel	3.0	10	89.0	Bump	USED ON BLACK POLYPIPE	Confirm
PCMHT100	Galvanized mild steel	4.0	10	100.0	Serrated / standard	KVS QC78	108X100
PCMHT100B	Galvanized mild steel	4.0	10	100.0	Bump	KVS QC78	108X100
PCMHT101	Galvanized mild steel	4.0	10	75.0	Serrated / standard	KVS QC78	108X80
PCMHT150	Galvanized mild steel	6.0	10	150.0	Serrated / standard	KVS QC78	159X150
PCMHT150B	Galvanized mild steel	6.0	10	150.0	Bump	KVS QC78	159X150
PCMHT151	Galvanized mild steel	6.0	10	100.0	Serrated / standard	KVS QC78	159X100

Lever-lock pattern P - male hosetail. The10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

044 / Lever-lock coupling pattern P - male flanged

Lever-lock coupling pattern P - male flanged for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCMT/D089 / PCMT/D100 / PCMT/D150

Pattern references: KVF / QC73

Lever-lock pattern P - male flanged

Part code	Material	Nominal head size inch	Max working pressure bar	Flange designation	Configuration reference	Dimensional reference
PCMT/D089	Galvanized mild steel	3.0	10	Table D	KVF QC73	89X80

Lever-lock pattern P - male flanged

Part code	Material	Nominal head size inch	Max working pressure bar	Flange designation	Configuration reference	Dimensional reference
PCMT/D100	Galvanized mild steel	4.0	10	Table D	KVF QC73	108X100
PCMT/D150	Galvanized mild steel	6.0	10	Table D	KVF QC73	159X150

Lever-lock pattern P - male flanged. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

045 / Lever-lock coupling pattern P - female hosetail

Lever-lock coupling pattern P - female hosetail for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCFHT050 / PCFHT089 / PCFHT080B / PCFHT089B / PCFHT100 / PCFHT100B / PCFHT101 / PCFHT150 / PCFHT150B / PCFHT151

Pattern references: KMS / QC77

Lever-lock pattern P - female hosetail

Part code	Material	Nominal head size inch	Max working pressure bar	Hosetail size mm	Tail style	Configuration reference	Dimensional reference
PCFHT050	Galvanized mild steel	2.0	10	50.0	Serrated / standard	KMS QC77	50X50
PCFHT089	Galvanized mild steel	3.0	10	75.0	Serrated / standard	KMS QC77	89X80
PCFHT080B	Galvanized mild steel	3.0	10	75.0	Bump	KMS QC77	89X80
PCFHT089B	Galvanized mild steel	3.0	10	89.0	Bump	USED ON BLACK POLYPIPE	Confirm
PCFHT100	Galvanized mild steel	4.0	10	100.0	Serrated / standard	KMS QC77	108X100
PCFHT100B	Galvanized mild steel	4.0	10	100.0	Bump	KMS QC77	108X100
PCFHT101	Galvanized mild steel	4.0	10	75.0	Serrated / standard	KMS QC77	108X80
PCFHT150	Galvanized mild steel	6.0	10	150.0	Serrated / standard	KMS QC77	159X150

Lever-lock pattern P - female hosetail

Part code	Material	Nominal head size inch	Max working pressure bar	Hosetail size mm	Tail style	Configuration reference	Dimensional reference
PCFHT150B	Galvanized mild steel	6.0	10	150.0	Bump	KMS QC77	159X150
PCFHT151	Galvanized mild steel	6.0	10	100.0	Serrated / standard	KMS QC77	159X100

Lever-lock pattern P - female hosetail. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

046 / Lever-lock coupling pattern P - female x male BSP

Lever-lock coupling pattern P - female x male BSP for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCFT050 / PCFT089 / PCFT100 / PCFT150 / PCFT151

Pattern references: KMG / QC74

Lever-lock pattern P - female bspt

Part code	Material	Nominal head size inch	Max working pressure bar	Male thread metric designation mm	Thread family	Configuration reference	Dimensional reference
PCFT050	Galvanized mild steel	2.0	10	50.0	BSP	KMG QC74	50X50
PCFT089	Galvanized mild steel	3.0	10	75.0	BSP	KMG QC74	89X80
PCFT100	Galvanized mild steel	4.0	10	100.0	BSP	KMG QC74	108X100
PCFT150	Galvanized mild steel	6.0	10	150.0	BSP	KMG QC74	159X150
PCFT151	Galvanized mild steel	6.0	10	100.0	BSP	KMG QC74	159X100

Lever-lock pattern P - female bspt. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

047 / Lever-lock coupling pattern P - female flanged

Lever-lock coupling pattern P - female flanged for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PCFT/D089 / PCFT/D100 / PCFT/D150

Pattern references: KMF / QC70

Lever-lock pattern P - female flanged

Part code	Material	Nominal head size inch	Max working pressure bar	Flange designation	Configuration reference	Dimensional reference
PCFT/D089	Galvanized mild steel	3.0	10	Table D	KMF QC70	89X80
PCFT/D100	Galvanized mild steel	4.0	10	Table D	KMF QC70	108X100
PCFT/D150	Galvanized mild steel	6.0	10	Table D	KMF QC70	159X150

Lever-lock pattern P - female flanged. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

048 / Lever-lock coupling pattern P - male end plug

Lever-lock coupling pattern P - male end plug for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PFM050 / PFM080 / PFM100 / PFM150

Pattern references: KXV / QC8

Lever-lock pattern P - male plug

Part code	Material	Nominal head size inch	Max working pressure bar	Configuration reference	Dimensional reference
PFM050	Galvanized mild steel	2.0	10	KXV QC8	50X50
PFM080	Galvanized mild steel	3.0	10	KXV QC8	89X80

Lever-lock pattern P - male plug

Part code	Material	Nominal head size inch	Max working pressure bar	Configuration reference	Dimensional reference
PFM100	Galvanized mild steel	4.0	10	KXV QC8	108X100
PFM150	Galvanized mild steel	6.0	10	KXV QC8	159X150

Lever-lock pattern P - male plug. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

049 / Lever-lock coupling pattern P - female end cap

Lever-lock coupling pattern P - female end cap for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: PFF050 / PFF080 / PFF100 / PFF150

Pattern references: KXM / QC9

Lever-lock pattern P - female cap

Part code	Material	Nominal head size inch	Max working pressure bar	Configuration reference	Dimensional reference
PFF050	Galvanized mild steel	2.0	10	KXM QC9	50X50
PFF080	Galvanized mild steel	3.0	10	KXM QC9	89X80
PFF100	Galvanized mild steel	4.0	10	KXM QC9	108X100
PFF150	Galvanized mild steel	6.0	10	KXM QC9	159X150

Lever-lock pattern P - female cap. The 10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

050 / Lever-lock coupling pattern B

Lever-lock coupling pattern B for lever-lock hose and pipework connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: BCFHT080 / BCFHT100 / BCFHT150 / BCFHT200 / BCFHT250 / BCFHT300 / BCMHT080 / BCMHT100 / BCMHT150 / BCMHT200 / BCMHT250 / BCMHT300 / BCFMT080 / BCFMT100 / BCFMT150 / BCFMT200 / BCMMT080 / BCMMT100 / BCMMT150 / BCMMT200 / BCFT/D100 / BCFT/D150 / BCFT/D200 / BCMT/D100 / BCMT/D150 / BCMT/D200 / BCSRG050 / BCSRG080 / BCSRG100 / BCSRG150 / BCSRG200

Lever-lock pattern B end configurations

Part code	Configuration	Nominal size inch	Material	Configuration reference	Dimensional reference	Flange designation	Component
BCFHT080	Female Pattern B Hosetail	3.0	Hot-dip galvanized mild steel	BMS B78	89X80	Confirm	Confirm
BCFHT100	Female Pattern B Hosetail	4.0	Hot-dip galvanized mild steel	BMS B78	108X100	Confirm	Confirm
BCFHT150	Female Pattern B Hosetail	6.0	Hot-dip galvanized mild steel	BMS B78	159X150	Confirm	Confirm
BCFHT200	Female Pattern B Hosetail	8.0	Hot-dip galvanized mild steel	BMS B78	194X200	Confirm	Confirm
BCFHT250	Female Pattern B Hosetail	10.0	Hot-dip galvanized mild steel	BMS B78	Confirm	Confirm	Confirm
BCFHT300	Female Pattern B Hosetail	12.0	Hot-dip galvanized mild steel	BMS B78	Confirm	Confirm	Confirm
BCMHT080	Male Pattern B Hosetail With Lever Arms	3.0	Hot-dip galvanized mild steel	BVS B77	89X80	Confirm	Confirm
BCMHT100	Male Pattern B Hosetail With Lever Arms	4.0	Hot-dip galvanized mild steel	BVS B77	108X100	Confirm	Confirm
BCMHT150	Male Pattern B Hosetail With Lever Arms	6.0	Hot-dip galvanized mild steel	BVS B77	159X150	Confirm	Confirm
BCMHT200	Male Pattern B Hosetail With Lever Arms	8.0	Hot-dip galvanized mild steel	BVS B77	194X200	Confirm	Confirm
BCMHT250	Male Pattern B Hosetail With Lever Arms	10.0	Hot-dip galvanized mild steel	BVS B77	Confirm	Confirm	Confirm
BCMHT300	Male Pattern B Hosetail With Lever Arms	12.0	Hot-dip galvanized mild steel	BVS B78	Confirm	Confirm	Confirm
BCFMT080	Female Pattern B Threaded	3.0	Hot-dip galvanized mild steel	BMG B75	89X80	Confirm	Confirm
BCFMT100	Female Pattern B Threaded	4.0	Hot-dip galvanized mild steel	BMG B75	108X100	Confirm	Confirm

Lever-lock pattern B end configurations

Part code	Configuration	Nominal size inch	Material	Configuration reference	Dimensional reference	Flange designation	Component
BCFMT150	Female Pattern B Threaded	6.0	Hot-dip galvanized mild steel	BMG B75	159X150	Confirm	Confirm
BCFMT200	Female Pattern B Threaded	8.0	Hot-dip galvanized mild steel	BMG B75	194X200	Confirm	Confirm
BCMMT080	Male Pattern B Bsp Thread With Lever Arms	3.0	Hot-dip galvanized mild steel	BVG B74	89X80	Confirm	Confirm
BCMMT100	Male Pattern B Bsp Thread With Lever Arms	4.0	Hot-dip galvanized mild steel	BVG B74	108X100	Confirm	Confirm
BCMMT150	Male Pattern B Bsp Thread With Lever Arms	6.0	Hot-dip galvanized mild steel	BVG B74	159X150	Confirm	Confirm
BCMMT200	Male Pattern B Bsp Thread With Lever Arms	8.0	Hot-dip galvanized mild steel	BVG B74	194X200	Confirm	Confirm
BCFT/D100	Flanged Female- Table D	4.0	Hot-dip galvanized mild steel	B73	108X100	Table D	Confirm
BCFT/D150	Flanged Female- Table D	6.0	Hot-dip galvanized mild steel	B73	159X150	Table D	Confirm
BCFT/D200	Flanged Female- Table D	8.0	Hot-dip galvanized mild steel	B73	194X200	Table D	Confirm
BCMT/D100	Flanged Male Table D With Lever Arms	4.0	Hot-dip galvanized mild steel	B70	108X100	Table D	Confirm
BCMT/D150	Flanged Male Table D With Lever Arms	6.0	Hot-dip galvanized mild steel	B70	159X150	Table D	Confirm
BCMT/D200	Flanged Male Table D With Lever Arms	8.0	Hot-dip galvanized mild steel	B70	194X200	Table D	Confirm
BCSRG050	Spare Rubber Gaskets	2.0	Confirm	B4-50	Confirm	Confirm	Replacement rubber gasket
BCSRG080	Spare Rubber Gaskets	3.0	Confirm	B4-89	Confirm	Confirm	Replacement rubber gasket
BCSRG100	Spare Rubber Gaskets	4.0	Confirm	B4-108	Confirm	Confirm	Replacement rubber gasket
BCSRG150	Spare Rubber Gaskets	6.0	Confirm	B4-159	Confirm	Confirm	Replacement rubber gasket
BCSRG200	Spare Rubber Gaskets	8.0	Confirm	B4-194	Confirm	Confirm	Replacement rubber gasket

Lever-lock pattern B end configurations. Pattern B and pattern P are separate interfaces. No working-pressure or temperature value is transferred between patterns or manufacturers. Nominal size/reference pairs are not measured bore dimensions.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

051 / Mining push-fit quick connectors

Mining push-fit quick connectors for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Mining push-fit quick connectors

Size range inch	End connections
0.5 / 2	Hosetail / Male BSP / Female BSP

Mining push-fit quick connectors. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

052 / Mining quick-fit couplings

Mining quick-fit couplings for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Mining quick-fit end-spud configurations

Nominal size min inch	Nominal size max inch	End connections	Construction options
0.5	1	Hosetail / FemaleBSP / MaleBSP	Light / Standard / Heavy

Mining quick-fit end-spud configurations. Light, standard and heavy constructions are distinct selections. No working-pressure or temperature value is inferred for this range.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

053 / Instantaneous Fire-Hose Couplings

Instantaneous Fire-Hose Couplings for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: MCB065/SET / MCBFXM065 / MCF065 / MCMB065 / MCA065X040/SET / MCA065X045/SET / MCA065X050/SET / MCA065X065/SET

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
MCB065/SET	Bronze instantaneous fire hose coupling set	Bronze	See configuration	Confirm for this configuration
MCBFXM065	Bronze instantaneous female coupling x male thread	Bronze	See configuration	Confirm for this configuration
MCF065	Instantaneous female coupling x female thread	Confirm with quotation	See configuration	Confirm for this configuration
MCMB065	Bronze instantaneous male coupling x female thread	Bronze	See configuration	Confirm for this configuration
MCA065X040/SET	Aluminium instantaneous hose coupling set - 40 mm	Aluminium	See configuration	Confirm for this configuration
MCA065X045/SET	Aluminium instantaneous hose coupling set - 45 mm	Aluminium	See configuration	Confirm for this configuration
MCA065X050/SET	Aluminium instantaneous hose coupling set - 50 mm	Aluminium	See configuration	Confirm for this configuration
MCA065X065/SET	Aluminium instantaneous hose coupling set - 65 mm	Aluminium	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

054 / Gravity-drop fuel delivery coupler x female BSP

Gravity-drop fuel delivery coupler x female BSP for specified fuel-transfer connection arrangements. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

[Gravity-drop fuel delivery coupler x female BSP](#)

Api connection inch	Coupler size inch	Outlet
6	4	4 inch female BSP

Gravity-drop fuel delivery coupler x female BSP. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

055 / Gravity-drop fuel delivery coupler x camlock

Gravity-drop fuel delivery coupler x camlock for cam-and-groove hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

[Gravity-drop fuel delivery coupler x camlock](#)

Api connection inch	Coupler size inch	Outlet options
6	4	4 inch male camlock / 3 inch male camlock

Gravity-drop fuel delivery coupler x camlock. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

056 / Petrol delivery hose coupling - 12-tooth

Petrol delivery hose coupling - 12-tooth for specified fuel-transfer connection arrangements. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

[Petrol delivery hose coupling - 12-tooth](#)

Nominal size inch	Tooth count	Application
4	12	Petrol transfer

Petrol delivery hose coupling - 12-tooth. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

057 / Diesel delivery hose coupling - 18-tooth

Diesel delivery hose coupling - 18-tooth for specified fuel-transfer connection arrangements. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Diesel delivery hose coupling - 18-tooth

Nominal size inch	Tooth count	Application
4	18	Diesel transfer

Diesel delivery hose coupling - 18-tooth. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

058 / Fuel coupling tooth-pattern converters

Fuel coupling tooth-pattern converters for specified fuel-transfer connection arrangements. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Fuel coupling tooth-pattern converters

Pattern conversions
12-tooth female x 18-tooth male / 18-tooth female x 12-tooth male

Fuel coupling tooth-pattern converters. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

059 / Fuel coupling dust caps and spare locking components

Fuel coupling dust caps and spare locking components for specified fuel-transfer connection arrangements. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Fuel coupling dust caps and spare locking components

Components	Dust cap note
Dust caps / 12/18-tooth brass male adaptors / 12/18-tooth brass female locking rings	Dust exclusion only; not intended to retain hose pressure

Fuel coupling dust caps and spare locking components. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

060 / Ground-Joint Steam Couplings

Ground-Joint Steam Couplings for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: GJS012 / GJS025 / GJH012 / GJH025 / GJW012 / GJW025

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
GJS012	Ground-joint steam female BSP fitting - 0.5 inch	Carbon steel	0.5 in	Confirm for this configuration
GJS025	Ground-joint steam female BSP fitting - 1 inch	Carbon steel	1 in	Confirm for this configuration
GJH012	Ground-joint steam hosetail - 0.5 inch	Carbon steel	0.5 in	Confirm for this configuration
GJH025	Ground-joint steam hosetail - 1 inch	Carbon steel	1 in	Confirm for this configuration
GJW012	Ground-joint steam wingnut - 0.5 inch	Carbon steel	0.5 in	Confirm for this configuration
GJW025	Ground-joint steam wingnut - 1 inch	Carbon steel	1 in	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

061 / Backhead hose nipple - 10 mm tail

Backhead hose nipple - 10 mm tail for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT10742

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RT10742	Backhead hose nipple - 10 mm tail	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

062 / Backhead hose nipple - 12 mm tail

Backhead hose nipple - 12 mm tail for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT10743

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RT10743	Backhead hose nipple - 12 mm tail	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

063 / Backhead hose nipple - 10 mm tail

Backhead hose nipple - 10 mm tail for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT10744

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RT10744	Backhead hose nipple - 10 mm tail	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

064 / Backhead hose nipple - 12 mm tail

Backhead hose nipple - 12 mm tail for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT10745

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RT10745	Backhead hose nipple - 12 mm tail	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

065 / Backhead hose nipple gland spare

Backhead hose nipple gland spare for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT10746

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RT10746	Backhead hose nipple gland spare	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

066 / Shot-blast pot coupling - 32 mm

Shot-blast pot coupling - 32 mm for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SBPC032

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
SBPC032	Shot-blast pot coupling - 32 mm	Carbon steel	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

067 / Shot-blast pot coupling - 40 mm

Shot-blast pot coupling - 40 mm for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SBPC040

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
SBPC040	Shot-blast pot coupling - 40 mm	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

068 / Shot-blast hose-end coupling - 48 mm

Shot-blast hose-end coupling - 48 mm for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SBHC048

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
SBHC048	Shot-blast hose-end coupling - 48 mm	Carbon steel	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

069 / Shot-blast hose-end coupling - 56 mm

Shot-blast hose-end coupling - 56 mm for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SBHC056

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
SBHC056	Shot-blast hose-end coupling - 56 mm	Confirm with quotation	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

070 / Shot-blast coupling rubber gasket

Shot-blast coupling rubber gasket for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RW1155

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
RW1155	Shot-blast coupling rubber gasket	Rubber	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

071 / Flanged hose nipples

Flanged hose nipples for connecting compatible hose and pipework. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SNF6040 / SNF6050 / SNF6065 / SNF6080 / SNF6100 / SNF6125 / SNF6150 / SNF6200 / SNF6250 / SNF6300 / SNF6051 / SNF6081 / SNF6101 / SNF6151 / SNF6201 / SNF6251 / SNF6067 / SNF6082 / SNF6105 / SNF6107 / SNF6202 / SNF6104 / SNF6106 / SNF9040 / SNF9050 / SNF9065 / SNF9080 / SNF9100 / SNF9125 / SNF9150 / SNF9200 / SNF9104

Flanged hose nipples

Material options	Size range inch
Galvanized mild steel / Stainless steel	2 / 12

Flanged hose nipples. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Flanged hose nipples - exact configurations

Part code	Nominal hose size inch	Material	Flange interface	Flange face	Retaining collar
SNF6040	1.5	Galvanized mild steel	Table D	Confirm	Confirm
SNF6050	2	Galvanized mild steel	Table D	Confirm	Confirm
SNF6065	2.5	Galvanized mild steel	Table D	Confirm	Confirm
SNF6080	3	Galvanized mild steel	Table D	Confirm	Confirm
SNF6100	4	Galvanized mild steel	Table D	Confirm	Confirm
SNF6125	5	Galvanized mild steel	Table D	Confirm	Confirm
SNF6150	6	Galvanized mild steel	Table D	Confirm	Confirm
SNF6200	8	Galvanized mild steel	Table D	Confirm	Confirm
SNF6250	10	Galvanized mild steel	Table D	Confirm	Confirm
SNF6300	12	Galvanized mild steel	Table D	Confirm	Confirm

Flanged hose nipples - exact configurations

Part code	Nominal hose size inch	Material	Flange interface	Flange face	Retaining collar
SNF6051	2	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6081	3	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6101	4	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6151	6	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6201	8	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6251	10	Galvanized mild steel	1000/3	Confirm	Confirm
SNF6067	2.5	Galvanized mild steel	ASA150	Raised face	Confirm
SNF6082	3	Galvanized mild steel	ASA150	Raised face	Confirm
SNF6105	4	Galvanized mild steel	ASA150	Raised face	Confirm
SNF6107	4	Galvanized mild steel	ASA150	Raised face	Yes
SNF6202	8	Galvanized mild steel	ASA150	Raised face	Confirm
SNF6104	4	Galvanized mild steel	TTMA	Confirm	Confirm
SNF6106	4	Galvanized mild steel	TTMA	Confirm	Yes
SNF9040	1.5	Stainless steel316	Table D	Confirm	Confirm
SNF9050	2	Stainless steel316	Table D	Confirm	Confirm
SNF9065	2.5	Stainless steel316	Table D	Confirm	Confirm
SNF9080	3	Stainless steel316	Table D	Confirm	Confirm
SNF9100	4	Stainless steel316	Table D	Confirm	Confirm
SNF9125	5	Stainless steel316	Table D	Confirm	Confirm
SNF9150	6	Stainless steel316	Table D	Confirm	Confirm
SNF9200	8	Stainless steel316	Table D	Confirm	Confirm

Flanged hose nipples - exact configurations

Part code	Nominal hose size inch	Material	Flange interface	Flange face	Retaining collar
SNF9104	4	Stainless steel316	TTMA	Confirm	Confirm

Flanged hose nipples - exact configurations. Match flange drilling, face, material and the mating component. A flange interface or class does not establish the complete hose-assembly pressure rating. No flange thickness or bolt dimensions are inferred from the interface label.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

072 / Threaded swage hose nipples

Threaded swage hose nipples for connecting compatible hose and pipework. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Threaded swage hose nipples

Thread options	Size range inch
BSPT / NPT / BSPP	0.375 / 10

Threaded swage hose nipples. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Threaded carbon-steel and cast hose nipples

Part code	Thread nominal size inch	Thread form	Material	Body form	Hosetail od mm	Pipe schedule	Tail length mm	Overall length mm	Hosetail nominal size inch
SHHN012	0.5	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm
SHHN016	0.5	BSPT	Galvanized mild steel	Hex / spanner indents	16	Confirm	Confirm	Confirm	Confirm
SHHN020	0.75	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm
SHHN025	1	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm
SHHN032	1.25	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm
SHHN040	1.5	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm
SHHN050	2	BSPT	Galvanized mild steel	Hex / spanner indents	Confirm	Confirm	Confirm	Confirm	Confirm

Threaded carbon-steel and cast hose nipples

Part code	Thread nominal size inch	Thread form	Material	Body form	Hosetail od mm	Pipe schedule	Tail length mm	Overall length mm	Hosetail nominal size inch
RT8025	1	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8025	1	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8032	1.25	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8032	1.25	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8040	1.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8041	1.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	100	160	Confirm
RT8042	1.5	BSPP	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8040	1.5	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8050	2	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8051	2	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	100	175	Confirm
RT8052	2	BSPP	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8050	2	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8065	2.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8066	2.5	BSPP	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8065	2.5	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8080DIN	2.5	BSPT	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm	3
RT8080	3	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8083	3	BSPP	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8080	3	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8100	4	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8100	4	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm

Threaded carbon-steel and cast hose nipples

Part code	Thread nominal size inch	Thread form	Material	Body form	Hosetail od mm	Pipe schedule	Tail length mm	Overall length mm	Hosetail nominal size inch
RT8105	4	BSPP	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8100DIN	3.5	BSPT	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm	4
RT8125	5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8125	5	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8150	6	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTN8150	6	NPT	Mild steel	Confirm	Confirm	40	Confirm	Confirm	Confirm
RT8200	8	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT8250	10	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RT6031	0.5	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT6025	1	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT6026	1	BSPT	Cast iron	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
NPT025	1	NPT	Cast iron	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT6032	1.25	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT6041	1.5	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT6051	2	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT8080C	3	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RT8100C	4	BSPT	Confirm	Retaining collar	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8012	0.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8020	0.75	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8025	1	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8032	1.25	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm

Threaded carbon-steel and cast hose nipples

Part code	Thread nominal size inch	Thread form	Material	Body form	Hosetail od mm	Pipe schedule	Tail length mm	Overall length mm	Hosetail nominal size inch
RTM8040	1.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8050	2	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8065	2.5	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8080	3	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8100	4	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm
RTM8150	6	BSPT	Galvanized mild steel	Confirm	Confirm	Confirm	Confirm	Confirm	Confirm

Threaded carbon-steel and cast hose nipples. BSPT tapered, BSPP parallel and NPT threads are separate interfaces. Thread size and hosetail size may differ; use the exact coded row. No working-pressure or temperature rating is inferred from pipe schedule or thread form.

Threaded stainless hose nipples

Part code	Thread nominal size inch	Thread form	Pipe schedule	Material	Overall length mm	Tail length mm
RT9025	1	BSPT	40	Stainless steel316	95	Confirm
RT9032	1.25	BSPT	40	Stainless steel316	120	Confirm
RT9033	1.25	BSPT	40	Stainless steel316	160	100
RT9040	1.5	BSPT	40	Stainless steel316	120	Confirm
RT9041	1.5	BSPT	40	Stainless steel316	170	100
RT9050	2	BSPT	40	Stainless steel316	130	Confirm
RT9051	2	BSPT	40	Stainless steel316	165	100
RT9065	2.5	BSPT	40	Stainless steel316	160	Confirm
RT9066	2.5	BSPT	40	Confirm	185	100
RT9080	3	BSPT	40	Stainless steel316	170	Confirm
RT9100	4	BSPT	40	Stainless steel316	185	Confirm

Threaded stainless hose nipples

Part code	Thread nominal size inch	Thread form	Pipe schedule	Material	Overall length mm	Tail length mm
RT9125	5	BSPT	40	Stainless steel316	220	Confirm
RT9150	6	BSPT	40	Stainless steel316	220	Confirm
RT9200	8	BSPT	40	Stainless steel316	Confirm	Confirm

Threaded stainless hose nipples. Dimensions and material apply to the exact code shown. The RT9066 material grade requires confirmation; no grade is inferred from adjacent rows. No assembly pressure or temperature is inferred from schedule 40.

Ordering references / complete index

SHHN012 / SHHN016 / SHHN020 / SHHN025 / SHHN032 / SHHN040 / SHHN050 / RT8025 / RTN8025 / RT8032 / RTN8032 / RT8040 / RT8041 / RT8042 / RTN8040 / RT8050 / RT8051 / RT8052 / RTN8050 / RT8065 / RT8066 / RTN8065 / RT8080DIN / RT8080 / RT8083 / RTN8080 / RT8100 / RTN8100 / RT8105 / RT8100DIN / RT8125 / RTN8125 / RT8150 / RTN8150 / RT8200 / RT8250 / RT6031 / RT6025 / RT6026 / NPT025 / RT6032 / RT6041 / RT6051 / RT8080C / RT8100C / RTM8012 / RTM8020 / RTM8025 / RTM8032 / RTM8040 / RTM8050 / RTM8065 / RTM8080 / RTM8100 / RTM8150 / RT9025 / RT9032 / RT9033 / RT9040 / RT9041 / RT9050 / RT9051 / RT9065 / RT9066 / RT9080 / RT9100 / RT9125 / RT9150 / RT9200

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

073 / 316 stainless hex hose nipples

316 stainless hex hose nipples for connecting compatible hose and pipework. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: HSNS006 / HSNS010 / HSNS012 / HSNS020 / HSNS025 / HSNS032 / HSNS040 / HSNS050

316 stainless hex hose nipples

Material	Size range inch
Stainless steel 316	0.375 / 2

316 stainless hex hose nipples. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

316 stainless hex hose nipples

Part code	Thread nominal size inch	Thread form	Material	Body form
HSNS006	0.25	BSPT	Stainless steel316	Hex
HSNS010	0.375	BSPT	Stainless steel316	Hex
HSNS012	0.5	BSPT	Stainless steel316	Hex
HSNS020	0.75	BSPT	Stainless steel316	Hex
HSNS025	1	BSPT	Stainless steel316	Hex
HSNS032	1.25	BSPT	Stainless steel316	Hex
HSNS040	1.5	BSPT	Stainless steel316	Hex
HSNS050	2	BSPT	Stainless steel316	Hex

316 stainless hex hose nipples. Hex hose nipples use the exact thread size shown. No hosetail outside diameter, overall length or pressure-temperature rating is inferred.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

074 / Hose joiners and menders

Hose joiners and menders for connecting compatible hose and pipework. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT7012 / RT7020 / RT7025 / RT7004 / RT7032 / RT7038 / RT7040 / RT7050 / RT7011 / RT7065 / RT7080 / RT7100 / RT7125 / RT7150 / RT7151 / RT7200 / RT7250 / RT7300 / RTS7012 / RTS7020 / RTS7025 / RTS7032 / RTS7040 / RTS7050 / RTS7065 / RTS7080 / RTS7100 / RTS7125 / RTS7150 / RTS7200 / PHM010 / PHM012 / PHM025 / PHM032

Hose joiners and menders

Material options family	Family size range inch
Galvanized mild steel / Stainless steel 316 schedule 40 / Polypropylene	0.5 / 12

Hose joiners and menders. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Hose joiners - exact material and size configurations

Part code	Nominal hose size inch	Material	Retaining collar	Outside diameter mm	Size
RT7012	0.5	Galvanized mild steel	Confirm	Confirm	Confirm
RT7020	0.75	Galvanized mild steel	Confirm	Confirm	Confirm
RT7025	1	Galvanized mild steel	Confirm	Confirm	Confirm
RT7004	1	Galvanized mild steel	Yes	Confirm	Confirm
RT7032	1.25	Galvanized mild steel	Confirm	Confirm	Confirm
RT7038	1.25	Galvanized mild steel	Confirm	38	Confirm
RT7040	1.5	Galvanized mild steel	Confirm	Confirm	Confirm
RT7050	2	Galvanized mild steel	Confirm	Confirm	Confirm
RT7011	2	Galvanized mild steel	Yes	Confirm	Confirm
RT7065	2.5	Galvanized mild steel	Confirm	Confirm	Confirm
RT7080	3	Galvanized mild steel	Confirm	Confirm	Confirm
RT7100	4	Galvanized mild steel	Confirm	Confirm	Confirm
RT7125	5	Galvanized mild steel	Confirm	Confirm	Confirm
RT7150	6	Galvanized mild steel	Confirm	Confirm	Confirm
RT7151	Confirm	Galvanized mild steel	Confirm	Confirm	6" - 8"
RT7200	8	Galvanized mild steel	Confirm	Confirm	Confirm
RT7250	10	Galvanized mild steel	Confirm	Confirm	Confirm
RT7300	12	Galvanized mild steel	Confirm	Confirm	Confirm
RTS7012	0.5	Stainless steel316	Confirm	Confirm	Confirm
RTS7020	0.75	Stainless steel316	Confirm	Confirm	Confirm
RTS7025	1	Stainless steel316	Confirm	Confirm	Confirm

Hose joiners - exact material and size configurations

Part code	Nominal hose size inch	Material	Retaining collar	Outside diameter mm	Size
RTS7032	1.25	Stainless steel316	Confirm	Confirm	Confirm
RTS7040	1.5	Stainless steel316	Confirm	Confirm	Confirm
RTS7050	2	Stainless steel316	Confirm	Confirm	Confirm
RTS7065	2.5	Stainless steel316	Confirm	Confirm	Confirm
RTS7080	3	Stainless steel316	Confirm	Confirm	Confirm
RTS7100	4	Stainless steel316	Confirm	Confirm	Confirm
RTS7125	5	Stainless steel316	Confirm	Confirm	Confirm
RTS7150	6	Stainless steel316	Confirm	Confirm	Confirm
RTS7200	8	Stainless steel316	Confirm	Confirm	Confirm
PHM010	0.375	Polypropylene	Confirm	Confirm	Confirm
PHM012	0.5	Polypropylene	Confirm	Confirm	Confirm
PHM025	1	Polypropylene	Confirm	Confirm	Confirm
PHM032	1.25	Polypropylene	Confirm	Confirm	Confirm

Hose joiners - exact material and size configurations. Match both hose ends and their actual outside diameters to the retaining method. The RT7151 size designation is preserved ; confirm its end geometry. No assembly pressure or temperature is inferred from material alone.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

075 / Heavy-duty mining hose clamps

Heavy-duty mining hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RT5009 / RT5001 / RT5002 / RT5003 / RT5006 / RT5007 / RT5005 / RT5004 / RT5008

Heavy-duty mining hose clamps

Size range inch
0.5 / 3

Heavy-duty mining hose clamps. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

RT-series cast hose clamps

Part code	Nominal hose size inch	Configuration	Lug	Bolt count	Clamp piece count
RT5009	0.375	RT-series cast hose clamps	Without lug	2	Confirm
RT5001	0.5	RT-series cast hose clamps	Without lug	2	Confirm
RT5002	0.75	RT-series cast hose clamps	Without lug	2	Confirm
RT5003	1	RT-series cast hose clamps	Without lug	2	Confirm
RT5006	1	RT-series cast hose clamps	With lug	2	Confirm
RT5007	1.25	RT-series cast hose clamps	With lug	2	Confirm
RT5005	1.5	RT-series cast hose clamps	With lug	2	Confirm
RT5004	2	RT-series cast hose clamps	With lug	2	Confirm
RT5008	3	RT-series cast hose clamps	With lug	Confirm	3

RT-series cast hose clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly. The 16 bar working-pressure figure applies to the RT cast-clamp range only; it is not a rating for the SL, SK or steam-clamp ranges.

RT-series cast hose clamps - construction & conditions

Parameter	Specification
Construction	Cast hose clamp
Working pressure bar	16

RT-series cast hose clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly. The 16 bar working-pressure figure applies to the RT cast-clamp range only; it is not a rating for the SL, SK or steam-clamp ranges.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

076 / Safety-lock aluminium hose clamps

Safety-lock aluminium hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RTSCA012 / RTSCA020 / RTSCA025 / RTSCA032 / RTSCA040 / RTSCA050 / RTSCA065 / RTSCA080 / RTSCA100 / RTSCA101 / RTSCA150

Construction & application

Parameter	Specification
Material	aluminium
Working pressure bar	18
Size range inch	min: 0.5; max: 6

Safety-lock hose clamp in the specified material and size range. The listed limit applies to this exact clamp construction and material. It is not a generic hose-assembly rating; confirm hose, coupling, sealing and installation compatibility.

DIN 2817 safety-lock aluminium clamps

Part code	Nominal hose size inch	Hose size	Hose od min mm	Hose od max mm
RTSCA012	0.5	13 x 5	22	24
RTSCA020	0.75	19 x 6	30	33
RTSCA025	1	25 x 6	36	39
RTSCA032	1.25	32 x 6	43	46
RTSCA040	1.5	38 x 6.5	50	53
RTSCA050	2	50 x 8	63	67
RTSCA065	2.5	63 x 8	78	82
RTSCA080	3	75 x 7.5	89	93

DIN 2817 safety-lock aluminium clamps

Part code	Nominal hose size inch	Hose size	Hose od min mm	Hose od max mm
RTSCA100	4	100 x 8	114	119
RTSCA101	4	100 x 10	118	122
RTSCA150	6	150 x 10	168	174

DIN 2817 safety-lock aluminium clamps. Use the exact hose outside-diameter window and a matching retaining tail. The 18 bar figure is the maximum range working pressure; the finished assembly is limited by its selected components and service. Temperature limits and bolt torque require the selected assembly specification.

DIN 2817 safety-lock aluminium clamps - construction & conditions

Parameter	Specification
Material	Aluminium
Interface standard	DIN2817
Maximum working pressure bar	18

DIN 2817 safety-lock aluminium clamps. Use the exact hose outside-diameter window and a matching retaining tail. The 18 bar figure is the maximum range working pressure; the finished assembly is limited by its selected components and service. Temperature limits and bolt torque require the selected assembly specification.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

077 / Safety-lock stainless hose clamps

Safety-lock stainless hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: RTSC012 / RTSC020 / RTSC025 / RTSC032 / RTSC040 / RTSC050 / RTSC051 / RTSC065 / RTSC080 / RTSC100/8

Construction & application

Parameter	Specification
Material	316 stainless steel

Construction & application

Parameter	Specification
Working pressure bar	25
Size range inch	min: 0.5; max: 4

Safety-lock hose clamp in the specified material and size range. The listed limit applies to this exact clamp construction and material. It is not a generic hose-assembly rating; confirm hose, coupling, sealing and installation compatibility.

DIN 2817 safety-lock stainless steel316 clamps

Part code	Nominal hose size inch	Hose size	Hose od min mm	Hose od max mm
RTSC012	0.5	13 x 5	22	24
RTSC020	0.75	19 x 6	30	33
RTSC025	1	25 x 6	36	39
RTSC032	1.25	32 x 6	43	46
RTSC040	1.5	38 x 6.5	50	53
RTSC050	2	50 x 8	63	67
RTSC051	2	50 x 10	69	71
RTSC065	2.5	63 x 8	78	82
RTSC080	3	75 x 7.5	89	93
RTSC100/8	4	100 x 8	114	119

DIN 2817 safety-lock stainless steel316 clamps. Use the exact hose outside-diameter window and a matching retaining tail. The 25 bar figure is the maximum range working pressure; the finished assembly is limited by its selected components and service. Temperature limits and bolt torque require the selected assembly specification.

DIN 2817 safety-lock stainless steel316 clamps - construction & conditions

Parameter	Specification
Material	Stainless steel316
Interface standard	DIN2817

DIN 2817 safety-lock stainless steel316 clamps - construction & conditions

Parameter	Specification
Maximum working pressure bar	25

DIN 2817 safety-lock stainless steel316 clamps. Use the exact hose outside-diameter window and a matching retaining tail. The 25 bar figure is the maximum range working pressure; the finished assembly is limited by its selected components and service. Temperature limits and bolt torque require the selected assembly specification.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

078 / Hose restraint whipchecks

Hose restraint whipchecks for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Hose restraint whipchecks

Function
Hose restraint

Hose restraint whipchecks. Range values describe the named configuration; intermediate sizes or material combinations are not inferred. Confirm exact interface, seal and operating duty for the assembly.

Hose-to-hose restraint slings

Nominal hose size min inch	Nominal hose size max inch	Material options	End construction	Length options
0.5	12	Galvanized mild steel / Stainless steel316	Spring-loaded cable loops	Various lengths; exact lengths require selection

Hose-to-hose restraint slings. Select a restraint for the actual hose, attachment layout and failure load. The nominal hose-size envelope is not a load, pressure or length rating.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

079 / Mining claw couplings

Mining claw couplings for claw-pattern hose and pipe connections. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Mining claw interface range

Nominal size min mm	Nominal size max mm	Connection forms	Distinct locking sizes mm
12	50	Male threaded / Female threaded / Hosetail	40 / 50

Mining claw interface range. The 40 mm and 50 mm options use a distinct positive-lock profile. Match the exact mating profile; do not assume interchangeability with European or US claw couplings. No working pressure, seal compound or temperature is established for an unspecified configuration.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

080 / Double-bolt hose clamps

Double-bolt hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Ordering references: SL22 / SL29 / SL34 / SL40 / SL49 / SL60 / SL76 / SL94 / SL115 / SL400 / SL463 / SL525 / SL550 / SL600 / SL675 / SL769 / SL818 / SL875 / SL988 / SL1125 / SL1275 / SK29 / SK34 / SK40 / SK49 / SK60 / SK76

SL-series two-bolt carbon-steel clamps

Part code	Nominal hose size inch	Configuration	Hose fit min mm	Hose fit max mm	Bolt count
SL22	0.5	SL-series two-bolt carbon-steel clamps	20	22	2
SL29	0.75	SL-series two-bolt carbon-steel clamps	22	29	2
SL34	1	SL-series two-bolt carbon-steel clamps	27	32	2
SL40	1.25	SL-series two-bolt carbon-steel clamps	32	39	2
SL49	1.5	SL-series two-bolt carbon-steel clamps	39	49	2
SL60	2	SL-series two-bolt carbon-steel clamps	48	60	2
SL76	2.5	SL-series two-bolt carbon-steel clamps	60	76	2
SL94	3	SL-series two-bolt carbon-steel clamps	77	94	2

SL-series two-bolt carbon-steel clamps

Part code	Nominal hose size inch	Configuration	Hose fit min mm	Hose fit max mm	Bolt count
SL115	4	SL-series two-bolt carbon-steel clamps	94	115	2
SL400	3.5	SL-series two-bolt carbon-steel clamps	89	101	2
SL463	3.75	SL-series two-bolt carbon-steel clamps	96	103	2
SL525	4.75	SL-series two-bolt carbon-steel clamps	103	125	2
SL550	5	SL-series two-bolt carbon-steel clamps	114	128	2
SL600	5.5	SL-series two-bolt carbon-steel clamps	130	144	2
SL675	6.5	SL-series two-bolt carbon-steel clamps	151	165	2
SL769	7.5	SL-series two-bolt carbon-steel clamps	165	192	2
SL818	8	SL-series two-bolt carbon-steel clamps	192	208	2
SL875	9	SL-series two-bolt carbon-steel clamps	210	225	2
SL988	10	SL-series two-bolt carbon-steel clamps	227	239	2
SL1125	11	SL-series two-bolt carbon-steel clamps	252	289	2
SL1275	12	SL-series two-bolt carbon-steel clamps	300	336	2

SL-series two-bolt carbon-steel clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly.

SL-series two-bolt carbon-steel clamps - construction & conditions

Parameter	Specification
Material	Carbon steel

SL-series two-bolt carbon-steel clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly.

SK-series cast two-bolt carbon-steel clamps

Part code	Nominal hose size inch	Configuration	Hose fit min mm	Hose fit max mm	Bolt count
SK29	0.5	SK-series cast two-bolt carbon-steel clamps	22	29	2

SK-series cast two-bolt carbon-steel clamps

Part code	Nominal hose size inch	Configuration	Hose fit min mm	Hose fit max mm	Bolt count
SK34	0.75	SK-series cast two-bolt carbon-steel clamps	27	32	2
SK40	1	SK-series cast two-bolt carbon-steel clamps	32	39	2
SK49	1.25	SK-series cast two-bolt carbon-steel clamps	39	49	2
SK60	1.5	SK-series cast two-bolt carbon-steel clamps	48	60	2
SK76	2	SK-series cast two-bolt carbon-steel clamps	60	76	2

SK-series cast two-bolt carbon-steel clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly.

SK-series cast two-bolt carbon-steel clamps - construction & conditions

Parameter	Specification
Material	Carbon steel

SK-series cast two-bolt carbon-steel clamps. Nominal hose size is distinct from the outside-diameter clamping window. Confirm hose construction, tail geometry and installation torque for the complete assembly.

Two-piece cast-iron double-bolt clamp

Body material	Body halves	Bolt count	Fasteners
Cast iron	2	2	Galvanized bolts and nuts

Two-piece cast-iron double-bolt clamp. Choose clamp diameter, band or body form, material and installation torque for the actual hose. No numerical temperature or pressure is established by this construction description.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

081 / Single-bolt heavy-duty hose clamps

Single-bolt heavy-duty hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Single-bolt heavy-duty clamp

Bolt count	Fasteners
1	Bolt and nut

Single-bolt heavy-duty clamp. Choose clamp diameter, band or body form, material and installation torque for the actual hose. No numerical temperature or pressure is established by this construction description.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

082 / Worm-drive hose clamps

Worm-drive hose clamps for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Worm-drive clamp material options

Material options	Fastening
Mild steel / Composite construction / Stainless steel	Worm drive

Worm-drive clamp material options. Choose clamp diameter, band or body form, material and installation torque for the actual hose. No numerical temperature or pressure is established by this construction description.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

083 / Flexible-hose couplings

Flexible-hose couplings for the specified hose, pipework and operating configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

084 / Pipe repair clamp couplings

Pipe repair clamp couplings for securing the matched hose and tail configuration. Select the size, material and interface for the complete connection.

Application: Application-led selection for the specified operating conditions.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

085 / Screw-to-Connect Hydraulic Couplings

Threaded coupling interfaces for specified hydraulic duties.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

086 / Weir Type Coupling Enquiries

Application-specific coupling selection and replacement identification.

[Application & quotation checklist](#)

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

087 / Hygienic & Dairy Couplings

Hygienic connection systems for compatible transfer hose.

[DIN-type weld/weld hygienic unions](#)

Configuration	D1 - bore (mm)	D2 - coupling outside diameter (mm)	B - axial length (mm)	Nominal diameter mm
DIN-type weld/weld hygienic union	10	38	34	10

DIN-type weld/weld hygienic unions

Configuration	D1 - bore (mm)	D2 - coupling outside diameter (mm)	B - axial length (mm)	Nominal diameter mm
DIN-type weld/weld hygienic union	15	44	34	15
DIN-type weld/weld hygienic union	20	54	36	20
DIN-type weld/weld hygienic union	26	63	45	25
DIN-type weld/weld hygienic union	32	70	51	32
DIN-type weld/weld hygienic union	38	78	53	40
DIN-type weld/weld hygienic union	50	92	57	50
DIN-type weld/weld hygienic union	66	112	65	65
DIN-type weld/weld hygienic union	81	127	75	80
DIN-type weld/weld hygienic union	100	148	89	100
DIN-type weld/weld hygienic union	125	178	70	125
DIN-type weld/weld hygienic union	150	210	76	150

DIN-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection.

DIN-type weld/weld hygienic unions - construction & conditions

Parameter	Specification
Body material	AISI304stainless steel
Gasket material	Rubber; compound to be confirmed
Maximum temperature c	130
Components	Liner / Male part / Nut / Gasket

DIN-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection.

SMS-type weld/weld hygienic unions

Configuration	D1 - bore (mm)	D2 - coupling outside diameter (mm)	B - axial length (mm)	Nominal diameter mm
SMS-type weld/weld hygienic union	25.4	51	23.5	25
SMS-type weld/weld hygienic union	38.1	74	30	38
SMS-type weld/weld hygienic union	50.8	84	30	51
SMS-type weld/weld hygienic union	63.5	100	34	63.5
SMS-type weld/weld hygienic union	76.2	114	35	76
SMS-type weld/weld hygienic union	101.6	154	48	101.6

SMS-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection.

SMS-type weld/weld hygienic unions - construction & conditions

Parameter	Specification
Body material	AISI304stainless steel
Gasket material	Rubber; compound to be confirmed
Maximum temperature c	130
Components	Liner / Male part / Nut / Gasket

SMS-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection.

ISO-DS-type weld/weld hygienic unions

Configuration	D1 - bore (mm)	D2 - coupling outside diameter (mm)	B - axial length (mm)	Nominal size
ISO-DS-type weld/weld hygienic union	25.4	57	36	1
ISO-DS-type weld/weld hygienic union	38.1	71	38	1½
ISO-DS-type weld/weld hygienic union	51	86	40	2
ISO-DS-type weld/weld hygienic union	63.5	103	46	2½

ISO-DS-type weld/weld hygienic unions

Configuration	D1 - bore (mm)	D2 - coupling outside diameter (mm)	B - axial length (mm)	Nominal size
ISO-DS-type weld/weld hygienic union	76.2	115	48	3
ISO-DS-type weld/weld hygienic union	101.6	147	48	4

ISO-DS-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection. ISO-DS nominal labels are preserved ; no incorrect millimetre unit is assigned to the 1-4 labels.

ISO-DS-type weld/weld hygienic unions - construction & conditions

Parameter	Specification
Body material	AISI304stainless steel
Gasket material	Rubber; compound to be confirmed
Maximum temperature c	130
Components	Liner / Male part / Nut / Gasket

ISO-DS-type weld/weld hygienic unions. The 130°C maximum applies to this AISI 304/rubber-gasket union construction; it does not establish a pressure rating. Match the exact interface type and drawn D1, D2 and B dimensions; material and hygiene documentation require selection. ISO-DS nominal labels are preserved ; no incorrect millimetre unit is assigned to the 1-4 labels.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

088 / Coupling Seals & Gaskets

Seal compounds selected to the medium and operating conditions.

Ordering references: PCSRG050 / PCSRG070 / PCSRG089 / PCSRG100 / PCSRG150 / CCC025EU / RW9999 / CCC025 / CCBS025 / RW6666 / RWGC025 / GCB025 / RWS031 / RWS044 / RWS051 / RWS066 / RWS081 / RWS089B / RWS115 / RWS133B / RWS145 / RWS160 / RWSC075 / RWSC100 / RWSC125 / RWSC150 / RWSC200 / RWSC250 / RWSC300 / RWSC400 / RWSC500 / RWSC600

Lever-lock pattern P - seals gaskets

Part code	Seal type	Nominal coupling size inch	Configuration reference
PCSRG050	PatternP replacement gasket	2.0	QC4-50
PCSRG070	PatternP replacement gasket	2.5	QC4-70

Lever-lock pattern P - seals gaskets

Part code	Seal type	Nominal coupling size inch	Configuration reference
PCSRG089	PatternP replacement gasket	3.0	QC4-89
PCSRG100	PatternP replacement gasket	4.0	QC4-108
PCSRG150	PatternP replacement gasket	6.0	QC4-159

Lever-lock pattern P - seals gaskets. The10 bar maximum working pressure applies to the galvanized mild-steel pattern P construction shown; temperature and medium conditions require confirmation. KVG/KVS/KVF/KMS/KMG/KMF/KXV/KXM and QC references identify configurations, not complete size-specific ordering codes. Head sizes and dimensional reference pairs are nominal designations, not measured bore/OD.

Claw coupling EU - seals gaskets

Part code	Connection pattern	Component
CCC025EU	EU	End cap
RW9999	EU	Nitrile gasket

Claw coupling EU - seals gaskets. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling EU - seals gaskets - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling EU - seals gaskets. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - seals gaskets

Part code	Connection pattern	Component	Nominal designation inch	Fit description
CCC025	US	End cap	1.0	MILD STEEL
CCBS025	US	End cap	1.0	STAINLESS STEEL 316
RW9999	US	Nitrile gasket	1.0	FITS ¼" - 1" NITRILE RUBBER

Claw coupling US - seals gaskets

Part code	Connection pattern	Component	Nominal designation inch	Fit description
RW6666	US	Nitrile gasket	2.0	FITS 1¼" - 2" NITRILE RUBBER

Claw coupling US - seals gaskets. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Claw coupling US - seals gaskets - construction & conditions

Parameter	Specification
Seal material	Nitrile
Interface note	EU: double-lock geometry without R-clip hole; US: R-clip retention

Claw coupling US - seals gaskets. EU and US claw interfaces must not be treated as interchangeable. Use the exact claw count, material, end connection and locking arrangement. For US, 16 bar is carried only on the two-claw threaded sections; no16 bar rating is assigned here to hosetails or four-claw variants. No generic temperature or torque value is inferred.

Brass water-service claw cap and gasket

Part code	Component	Fit
RWGC025	Rubber gasket	One size fits the brass water-service claw range
GCB025	Blind end cap	One size fits the brass water-service claw range

Brass water-service claw cap and gasket. Use only with the matching brass water-service claw interface. Cap or gasket fit does not establish pressure-closure suitability for a different coupling pattern.

Symmetrical coupling replacement front seals

Part code	Seal position	Size	Lug designation	Seal material
RWS031	Lug side	¾" - 1"	31 Lug	Nitrile
RWS044	Lug side	1¼"	44 Lug	Nitrile
RWS051	Lug side	1½"	51 Lug	Nitrile
RWS066	Lug side	2"	66 Lug	Nitrile
RWS081	Lug side	2½"	81 Lug	Nitrile
RWS089B	Lug side	3"	89 Lug BLACK	Nitrile

Symmetrical coupling replacement front seals

Part code	Seal position	Size	Lug designation	Seal material
RWS115	Lug side	4"	115 Lug	Nitrile
RWS133B	Lug side	4"	133 Lug BLACK	Nitrile
RWS145	Lug side	5"	148 Lug	Nitrile
RWS160	Lug side	6"	160 Lug	Nitrile

Symmetrical coupling replacement front seals. Match lug designation, claw count, nominal end size and material; nominal hose size alone does not establish compatibility. Lug designations are retained as identifiers; no unit is guessed for an unlabelled lug number. Pressure requires exact construction confirmation: an aluminium 6-8 bar note and a broader 16 bar family claim must not be flattened into one rating.

Symmetrical coupling replacement rear seals

Part code	Seal position	Size
RWSC075	Thread side	¾"
RWSC100	Thread side	1"
RWSC125	Thread side	1¼"
RWSC150	Thread side	1½"
RWSC200	Thread side	2"
RWSC250	Thread side	2½"
RWSC300	Thread side	3"
RWSC400	Thread side	4"
RWSC500	Thread side	5"
RWSC600	Thread side	6"

Symmetrical coupling replacement rear seals. Match lug designation, claw count, nominal end size and material; nominal hose size alone does not establish compatibility. Lug designations are retained as identifiers; no unit is guessed for an unlabelled lug number. Pressure requires exact construction confirmation: an aluminium 6-8 bar note and a broader 16 bar family claim must not be flattened into one rating.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

089 / Weld-on hose nipples

Weld-on hose nipples in black mild steel and 316 stainless steel.

Ordering references: RTU8025 / RTU8032 / RTU8040 / RTU8050 / RTU8065 / RTU8080 / RTU8100 / RTU8125 / RTU8150 / RTU8200 / RTU8250 / RTU8300 / RTU9025 / RTU9032 / RTU9040 / RTU9050 / RTU9065 / RTU9080 / RTU9100 / RTU9125 / RTU9150 / RTU9200 / RTU9250

Weld-on hose nipples

Part code	Nominal hose size inch	Material	End connection
RTU8025	1.0	Black mild steel	Weld-on
RTU8032	1.25	Black mild steel	Weld-on
RTU8040	1.5	Black mild steel	Weld-on
RTU8050	2.0	Black mild steel	Weld-on
RTU8065	2.5	Black mild steel	Weld-on
RTU8080	3.0	Black mild steel	Weld-on
RTU8100	4.0	Black mild steel	Weld-on
RTU8125	5.0	Black mild steel	Weld-on
RTU8150	6.0	Black mild steel	Weld-on
RTU8200	8.0	Black mild steel	Weld-on
RTU8250	10.0	Black mild steel	Weld-on
RTU8300	12.0	Black mild steel	Weld-on

Weld-on hose nipples. Match hose bore, tail geometry, material and weld procedure to the assembly. No working pressure or temperature is inferred from material or nominal size.

Weld-on hose nipples

Part code	Nominal hose size inch	Material	End connection
RTU9025	1	Stainless steel316	Weld-on
RTU9032	1.25	Stainless steel316	Weld-on

Weld-on hose nipples

Part code	Nominal hose size inch	Material	End connection
RTU9040	1.5	Stainless steel316	Weld-on
RTU9050	2	Stainless steel316	Weld-on
RTU9065	2.5	Stainless steel316	Weld-on
RTU9080	3	Stainless steel316	Weld-on
RTU9100	4	Stainless steel316	Weld-on
RTU9125	5	Stainless steel316	Weld-on
RTU9150	6	Stainless steel316	Weld-on
RTU9200	8	Stainless steel316	Weld-on
RTU9250	10	Stainless steel316	Weld-on

Weld-on hose nipples. Match hose bore, tail geometry, material and weld procedure to the assembly. No working pressure or temperature is inferred from material or nominal size.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

090 / Cast steam-hose clamps

Cast-iron retaining clamps with two-bolt and four-bolt steam-hose configurations.

Ordering references: HDC020 / HDC025 / HDC050

Cast steam-hose clamps

Part code	Nominal hose size inch	Bolt count	Material	Application
HDC020	1	2	Cast iron	Steam hose retention
HDC025	1	4	Cast iron	Steam hose retention
HDC050	2	4	Cast iron	Steam hose retention

Cast steam-hose clamps. Use the exact bolt arrangement and matching steam-hose tail. A clamp size does not establish a steam operating pressure or temperature.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

091 / Symmetrical lug couplings - male BSPT

Male BSPT symmetrical-lug adaptors with exact lug designations.

Ordering references: SCM020 / SCM025 / SCM040 / SCM050 / SCM065 / SCM070 / SCM080 / SCM100

Symmetrical lug couplings - male BSPT

Part code	Nominal thread size inch	Lug designation	Material	Thread form
SCM020	0.75	31	Aluminium	BSPT
SCM025	1.0	31	Aluminium	BSPT
SCM040	1.5	51	Aluminium	BSPT
SCM050	2.0	66	Aluminium	BSPT
SCM065	2.5	81	Aluminium	BSPT
SCM070	2.5	89	Aluminium	BSPT
SCM080	3.0	89	Aluminium	BSPT
SCM100	4.0	133	Aluminium	BSPT

Symmetrical lug couplings - male BSPT. Match lug designation and threaded end; nominal thread size alone does not establish coupling compatibility. No working-pressure value is assigned without exact construction confirmation.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

092 / Lever-lock pattern P female-to-male reducer

Galvanized steel female-to-male pattern P reducing connection.

Ordering references: PCFM151

Lever-lock pattern P female-to-male reducer

Part code	Female head nominal inch	Male head nominal inch	Material	Max working pressure bar
PCFM151	6	4	Galvanized mild steel	10

Lever-lock pattern P female-to-male reducer. Female head6 inch to male head4 inch is the exact reducing configuration. Maximum working pressure10 bar applies to this galvanized pattern P construction; temperature and medium conditions require confirmation.

Application & quotation checklist

Coupling type, size and mating half; Medium, pressure and temperature; Body material and seal compound; Hose tail, thread, flange or weld connection

Tubing, Flanges & Pipe Fittings

Hydraulic tube systems, stainless steel flanges and pipe fittings for engineered installations.

001 / ST - Hydraulic Steel Tubing

Hydraulic tube connections and installation components selected to the specified interface.

Size configurations: 6×1 / 6×1.5 / 6×2 / 8×1 / 8×1.5 / 8×2 / 10×1 / 10×1.5 / 12×1 / 12×1.5 / 12×2 / 14×2 / 15×1 / 15×1.5 / 16×1.5 / 16×2 / 18×1.5 / 18×2 / 20×1.5 / 20×2 / 20×2.5 / 22×1.5 / 22×2 / 25×2 / 25×2.5 / 25×3 / 28×2 / 28×3 / 30×2.5 / 30×3 / 35×3 / 38×3 / 38×4 / 42×3

Precision hydraulic steel tube sizes

Size reference	Outside diameter (mm)	Wall thickness (mm)	Listed working pressure (bar)
6×1	6	1	389
6×1.5	6	1.5	549
6×2	6	2	692
8×1	8	1	333
8×1.5	8	1.5	431
8×2	8	2	549
10×1	10	1	282
10×1.5	10	1.5	373
12×1	12	1	235
12×1.5	12	1.5	353
12×2	12	2	409
14×2	14	2	403
15×1	15	1	188
15×1.5	15	1.5	282
16×1.5	16	1.5	264

Precision hydraulic steel tube sizes

Size reference	Outside diameter (mm)	Wall thickness (mm)	Listed working pressure (bar)
16×2	16	2	353
18×1.5	18	1.5	196
18×2	18	2	313
20×1.5	20	1.5	194
20×2	20	2	282
20×2.5	20	2.5	353
22×1.5	22	1.5	192
22×2	22	2	256
25×2	25	2	276
25×2.5	25	2.5	282
25×3	25	3	338
28×2	28	2	201
28×3	28	3	302
30×2.5	30	2.5	235
30×3	30	3	282
35×3	35	3	242
38×3	38	3	223
38×4	38	4	297
42×3	42	3	201

Choose the tube outside diameter and wall thickness together. Material reference: DIN 2391 / ST 37.4. Listed pressures are specific to the stated size; the pressure calculation and temperature basis are not provided. Confirm suitability for the system design and required material certification.

Precision hydraulic steel tube sizes - construction & conditions

Parameter	Specification
Material reference	DIN2391 / ST37.4

Choose the tube outside diameter and wall thickness together. Material reference: DIN 2391 / ST 37.4. Listed pressures are specific to the stated size; the pressure calculation and temperature basis are not provided. Confirm suitability for the system design and required material certification.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

002 / Bundy Tubing - Imperial

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: BUNDY-03 / BUNDY-04 / BUNDY-06 / BUNDY-08

Brake-tube exact codes

Part code	Outside diameter (mm)	Wall thickness (mm)	Listed working pressure (bar)
BUNDY-03	4.76	0.7	299
BUNDY-04	6.35	0.71	239
BUNDY-06	9.53	0.89	220
BUNDY-08	12.7	1.0	190

Exact brake-tube codes with outside diameter, wall thickness and listed pressure. Material reference: DIN 74234-B 6 / RST 34.2. Confirm the pressure and temperature basis, end connection and application requirements; dimensions alone do not establish brake-system approval.

Brake-tube exact codes - construction & conditions

Parameter	Specification
Material reference	DIN74234-B6 / RST34.2

Exact brake-tube codes with outside diameter, wall thickness and listed pressure. Material reference: DIN 74234-B 6 / RST 34.2. Confirm the pressure and temperature basis, end connection and application requirements; dimensions alone do not establish brake-system approval.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

003 / Bundy Tubing - Metric

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: BUNDY-06M / BUNDY-08M / BUNDY-10M / BUNDY-12M

Brake-tube exact codes

Part code	Outside diameter (mm)	Wall thickness (mm)	Listed working pressure (bar)
BUNDY-06M	6.0	0.7	253
BUNDY-08M	8.0	0.7	190
BUNDY-10M	10.0	1.0	236
BUNDY-12M	12.0	1.0	196

Exact brake-tube codes with outside diameter, wall thickness and listed pressure. Material reference: DIN 74234-B 6 / RST 34.2. Confirm the pressure and temperature basis, end connection and application requirements; dimensions alone do not establish brake-system approval.

Brake-tube exact codes - construction & conditions

Parameter	Specification
Material reference	DIN74234-B6 / RST34.2

Exact brake-tube codes with outside diameter, wall thickness and listed pressure. Material reference: DIN 74234-B 6 / RST 34.2. Confirm the pressure and temperature basis, end connection and application requirements; dimensions alone do not establish brake-system approval.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

004 / D - Cutting Ring

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: D04LL / D06L/S / D08L/S / D10L/S / D12L/S / D14S / D15L / D16S / D18L / D20S / D22L / D25S / D28L / D30S / D35L / D38S / D42L

D - Cutting Ring

Part code	Mass per 100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
D04LL	Confirm	LL	Confirm	4
D06L/S	Confirm	L/S	Confirm	6
D08L/S	Confirm	L/S	Confirm	8
D10L/S	Confirm	L/S	Confirm	10
D12L/S	Confirm	L/S	Confirm	12
D14S	0.36	S	630.0	14
D15L	0.41	L	315.0	15
D16S	0.41	S	400.0	16
D18L	0.46	L	315.0	18
D20S	0.85	S	400.0	20
D22L	0.6	L	160.0	22
D25S	1.06	S	400.0	25
D28L	0.75	L	160.0	28
D30S	1.6	S	400.0	30
D35L	1.6	L	160.0	35
D38S	2.0	S	315.0	38
D42L	2.1	L	160.0	42

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

005 / M - Nut

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: M04LL / M06L / M06LL / M06S / M08L / M08S / M10L / M10S / M12L / M12S / M14S / M15L / M16S / M18L / M20S / M22L / M25S / M28L / M30S / M35L / M38S / M42L

M - Nut

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per 100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
M04LL	Confirm	Confirm	LL	Confirm	4
M06L	12×1.5	0.9	L	315.0	6
M06LL	Confirm	Confirm	LL	Confirm	6
M06S	14×1.5	1.4	S	630.0	6
M08L	14×1.5	1.2	L	315.0	8
M08S	16×1.5	1.6	S	630.0	8
M10L	16×1.5	2.1	L	315.0	10
M10S	18×1.5	3.1	S	630.0	10
M12L	18×1.5	2.4	L	315.0	12
M12S	20×1.5	3.6	S	630.0	12
M14S	22×1.5	5.1	S	630.0	14
M15L	22×1.5	3.9	L	315.0	15
M16S	24×1.5	6.1	S	400.0	16
M18L	26×1.5	5.9	L	315.0	18
M20S	30×2	9.4	S	400.0	20
M22L	30×2	7.9	L	160.0	22
M25S	36×2	19.5	S	400.0	25
M28L	36×2	8.4	L	160.0	28

M - Nut

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
M30S	42×2	21.5	S	400.0	30
M35L	45×2	12.9	L	160.0	35
M38S	52×2	31.0	S	315.0	38
M42L	52×2	20.9	L	160.0	42

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

006 / G - STRAIGHT UNION COUPLING

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: G04LL / G06L / G06LL / G06S / G08L / G08LL / G08S / G10L / G10S / G12L / G12S / G14S / G15L / G16S / G18L / G20S / G22L / G25S / G28L / G30S / G35L / G38S / G42L

DIN compression union exact codes

Part code	Tube outside diameter (mm)	DIN series	Thread T1 (metric designation)	Thread T2 (metric designation)	pressure column (bar)	Mass per100 pieces (kg/100)
G04LL	4	LL	Confirm	Confirm	Confirm	Confirm
G06LL	6	LL	Confirm	Confirm	315	0.9
G08LL	8	LL	Confirm	Confirm	315	1.2
G06L	6	L	12×1.5	12×1.5	315	2.1
G08L	8	L	14×1.5	14×1.5	315	2.4
G10L	10	L	16×1.5	16×1.5	315	3.9
G12L	12	L	18×1.5	18×1.5	315	5.9

DIN compression union exact codes

Part code	Tube outside diameter (mm)	DIN series	Thread T1 (metric designation)	Thread T2 (metric designation)	pressure column (bar)	Mass per100 pieces (kg/100)
G15L	15	L	22×1.5	22×1.5	160	7.9
G18L	18	L	26×1.5	26×1.5	160	8.4
G22L	22	L	30×2	30×2	160	12.9
G28L	28	L	36×2	36×2	160	20.9
G35L	35	L	45×2	45×2	Confirm	Confirm
G42L	42	L	52×2	52×2	Confirm	Confirm
G06S	6	S	14×1.5	14×1.5	400	9.4
G08S	8	S	16×1.5	16×1.5	400	19.5
G10S	10	S	18×1.5	18×1.5	400	21.5
G12S	12	S	20×1.5	20×1.5	315	31.0
G14S	14	S	22×1.5	22×1.5	Confirm	Confirm
G16S	16	S	24×1.5	24×1.5	Confirm	Confirm
G20S	20	S	30×2	30×2	Confirm	Confirm
G25S	25	S	36×2	36×2	Confirm	Confirm
G30S	30	S	42×2	42×2	Confirm	Confirm
G38S	38	S	52×2	52×2	Confirm	Confirm

Metric tube connection selections by tube outside diameter, series and stated thread. Use the exact tube diameter, L/S series and thread together. Missing pressures, masses or dimensions require confirmation; do not infer a rating from thread size alone. Body material, seals and full outline dimensions must match the application.

DIN compression union exact codes - construction & conditions

Parameter	Specification
System reference	DIN2353

Metric tube connection selections by tube outside diameter, series and stated thread. Use the exact tube diameter, L/S series and thread together. Missing pressures, masses or dimensions require confirmation; do not infer a rating from thread size alone. Body material, seals and full outline dimensions must match the application.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

007 / T - METRIC MALE TEE

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: T06L / T06S / T08L / T08S / T10L / T10S / T12L / T12S / T14S / T15L / T16S / T18L / T20S / T22L / T25S / T28L / T30S / T35L / T38S / T42L

DIN equal-tee exact codes

Part code	Tube outside diameter (mm)	DIN series	Thread T1 (metric designation)	pressure column (bar)	Mass per100 pieces (kg/100)
T06L	6	L	12×1.5	315	6.3
T08L	8	L	14×1.5	315	8.5
T10L	10	L	16×1.5	315	11.5
T12L	12	L	18×1.5	315	15.0
T15L	15	L	22×1.5	315	24.5
T18L	18	L	26×1.5	315	35.8
T22L	22	L	30×2	160	47.9
T28L	28	L	36×2	160	74.5
T35L	35	L	45×2	160	100
T42L	42	L	52×2	160	150
T06S	6	S	14×1.5	630	11
T08S	8	S	16×1.5	630	14.2
T10S	10	S	18×1.5	630	19.1
T12S	12	S	20×1.5	630	24.3

DIN equal-tee exact codes

Part code	Tube outside diameter (mm)	DIN series	Thread T1 (metric designation)	pressure column (bar)	Mass per100 pieces (kg/100)
T14S	14	S	22×1.5	630	30.2
T16S	16	S	24×1.5	400	39.8
T20S	20	S	30×2	400	60
T25S	25	S	36×2	400	112
T30S	30	S	42×2	400	146
T38S	38	S	52×2	315	206

Metric tube connection selections by tube outside diameter, series and stated thread. Use the exact tube diameter, L/S series and thread together. Missing pressures, masses or dimensions require confirmation; do not infer a rating from thread size alone. Body material, seals and full outline dimensions must match the application.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

008 / W - METRIC MALE ELBOW

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: W04LL / W06L / W06S / W08L / W08S / W10L / W10S / W12L / W12S / W15L / W16S / W18L / W20S / W22L / W25S / W28L / W30S / W35L / W38S / W42L

W - METRIC MALE ELBOW

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
W04LL	90	Confirm	Confirm	Confirm	LL	Confirm	4
W06L	90	12×1.5	12×1.5	4.2	L	315.0	6
W06S	90	14×1.5	14×1.5	7.1	S	630.0	6
W08L	90	14×1.5	14×1.5	5.8	L	315.0	8
W08S	90	16×1.5	16×1.5	8.1	S	630.0	8

W - METRIC MALE ELBOW

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per 100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
W10L	90	16×1.5	16×1.5	7.7	L	315.0	10
W10S	90	18×1.5	18×1.5	12.9	S	630.0	10
W12L	90	18×1.5	18×1.5	9.8	L	315.0	12
W12S	90	20×1.5	20×1.5	15.0	S	630.0	12
W15L	90	22×1.5	22×1.5	16.0	L	315.0	15
W16S	90	24×1.5	24×1.5	26.0	S	400.0	16
W18L	90	26×1.5	26×1.5	24.0	L	315.0	18
W20S	90	30×2	30×2	42.0	S	400.0	20
W22L	90	30×2	30×2	32.0	L	160.0	22
W25S	90	36×2	36×2	78.0	S	400.0	25
W28L	90	36×2	36×2	42.4	L	160.0	28
W30S	90	42×2	42×2	99.0	S	400.0	30
W35L	90	45×2	45×2	76.5	L	160.0	35
W38S	90	52×2	52×2	133.0	S	315.0	38
W42L	90	52×2	52×2	109.0	L	160.0	42

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

009 / Metric Reducing Union Couplings

Metric Reducing Union Couplings configurations selected for the operating duty and connection.

Application: Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: GR10/08LGR / GR12/10LGR / GR15/12LGR / GR16/12SGR / GR18/15LGR / GR20/12SGR / GR22/15LGR / GR22/18LGR

Metric Reducing Union Couplings / column group 1 of 2

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	Second tube outside diameter (mm)	DIN series label	Listed pressure (bar)
GR10/08LGR	16×1.5	14×1.5	6.0	8	L	315.0
GR12/10LGR	Confirm	16×1.5	7.9	10	L	315.0
GR15/12LGR	22×1.5	18×1.5	11.4	12	L	315.0
GR16/12SGR	24×1.5	20×1.5	17.3	12	S	400.0
GR18/15LGR	26×1.5	22×1.5	17.0	15	L	315.0
GR20/12SGR	30×2	20×1.5	23.3	12	S	400.0
GR22/15LGR	30×2	22×1.5	20.3	15	L	160.0
GR22/18LGR	30×2	26×1.5	26.0	18	L	160.0

Identifying columns are repeated. Read all column groups together for the complete row specification.

Metric Reducing Union Couplings / column group 2 of 2

Part code	Tube outside diameter (mm)
GR10/08LGR	10
GR12/10LGR	12
GR15/12LGR	15
GR16/12SGR	16
GR18/15LGR	18
GR20/12SGR	20
GR22/15LGR	22
GR22/18LGR	22

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number. Some connection fields are awaiting a corrected dimensional drawing and are omitted; confirm the exact connection before ordering.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

010 / SV - BULKHEAD STRAIGHT

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: SV06L / SV06S / SV08L / SV08S / SV10L / SV10S / SV12L / SV12S / SV15L / SV16S / SV18L / SV20S / SV22L / SV25S / SV38S

SV - BULKHEAD STRAIGHT

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
SV06L	12×1.5	12×1.5	7.0	L	315.0	6
SV06S	14×1.5	14×1.5	10.0	S	630.0	6
SV08L	14×1.5	14×1.5	8.5	L	315.0	8
SV08S	16×1.5	16×1.5	13.0	S	630.0	8
SV10L	16×1.5	16×1.5	12.7	L	315.0	10
SV10S	18×1.5	18×1.5	19.0	S	630.0	10
SV12L	18×1.5	18×1.5	15.0	L	315.0	12
SV12S	20×1.5	20×1.5	22.0	S	630.0	12
SV15L	22×1.5	22×1.5	23.0	L	315.0	15
SV16S	24×1.5	24×1.5	32.0	S	400.0	16
SV18L	26×1.5	26×1.5	33.0	L	315.0	18
SV20S	30×2	30×2	55.0	S	400.0	20

SV - BULKHEAD STRAIGHT

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
SV22L	30×2	30×2	41.0	L	160.0	22
SV25S	36×2	36×2	91.0	S	400.0	25
SV38S	52×2	52×2	Confirm	S	315.0	38

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

011 / WSV - BULKHEAD ELBOW

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: WSV06L / WSV08L / WSV08S / WSV10L / WSV10S / WSV12L / WSV12S / WSV15L / WSV16S / WSV18L / WSV22L

WSV - BULKHEAD ELBOW

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WSV06L	90	12×1.5	12×1.5	7.0	L	315.0	6
WSV08L	90	14×1.5	14×1.5	10.0	L	315.0	8
WSV08S	90	16×1.5	16×1.5	13.0	S	630.0	8
WSV10L	90	16×1.5	16×1.5	13.0	L	315.0	10
WSV10S	90	18×1.5	18×1.5	20.0	S	630.0	10
WSV12L	90	18×1.5	18×1.5	19.0	L	315.0	12
WSV12S	90	20×1.5	20×1.5	24.0	S	630.0	12
WSV15L	90	22×1.5	22×1.5	28.0	L	315.0	15

WSV - BULKHEAD ELBOW

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WSV16S	90	24×1.5	24×1.5	37.0	S	400.0	16
WSV18L	90	26×1.5	26×1.5	38.0	L	315.0	18
WSV22L	90	30×2	30×2	49.0	L	160.0	22

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

012 / EVGE-ED - BSPP STRAIGHT STUD STAND PIPE

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: EVGE06LRED / EVGE06SRED / EVGE08LRED / EVGE08SRED / EVGE10LRED / EVGE10SRED / EVGE12LRED / EVGE12SRED / EVGE15LRED / EVGE16SRED / EVGE18LRED / EVGE20SRED / EVGE22LRED / EVGE25SRED / EVGE28LRED

EVGE-ED - BSPP STRAIGHT STUD STAND PIPE / column group 1 of 2

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	Seal form	DIN series label	Listed pressure (bar)
EVGE06LRED	12×1.5	2.5	BSPP	1/8	ED; compound unspecified	L	315.0
EVGE06SRED	14×1.5	4.5	BSPP	1/4	ED; compound unspecified	S	630.0
EVGE08LRED	14×1.5	4.3	BSPP	1/4	ED; compound unspecified	L	315.0
EVGE08SRED	16×1.5	5.0	BSPP	1/4	ED; compound unspecified	S	630.0
EVGE10LRED	16×1.5	4.8	BSPP	1/4	ED; compound unspecified	L	315.0
EVGE10SRED	18×1.5	7.5	BSPP	3/8	ED; compound unspecified	S	630.0
EVGE12LRED	18×1.5	6.9	BSPP	3/8	ED; compound unspecified	L	315.0

EVGE-ED - BSPP STRAIGHT STUD STAND PIPE / column group 1 of 2

Part code	Tube-end thread T1 (metric diameter x pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	Seal form	DIN series label	Listed pressure (bar)
EVGE12SRED	20×1.5	8.2	BSPP	3/8	ED; compound unspecified	S	630.0
EVGE15LRED	22×1.5	12.0	BSPP	1/2	ED; compound unspecified	L	315.0
EVGE16SRED	24×1.5	14.5	BSPP	1/2	ED; compound unspecified	S	400.0
EVGE18LRED	26×1.5	13.5	BSPP	1/2	ED; compound unspecified	L	315.0
EVGE20SRED	30×2	22.0	BSPP	3/4	ED; compound unspecified	S	400.0
EVGE22LRED	30×2	19.5	BSPP	3/4	ED; compound unspecified	L	160.0
EVGE25SRED	36×2	40.0	BSPP	1	ED; compound unspecified	S	400.0
EVGE28LRED	36×2	Confirm	BSPP	1	ED; compound unspecified	L	100

Identifying columns are repeated. Read all column groups together for the complete row specification.

EVGE-ED - BSPP STRAIGHT STUD STAND PIPE / column group 2 of 2

Part code	Tube outside diameter (mm)
EVGE06LRED	6
EVGE06SRED	6
EVGE08LRED	8
EVGE08SRED	8
EVGE10LRED	10
EVGE10SRED	10
EVGE12LRED	12
EVGE12SRED	12
EVGE15LRED	15
EVGE16SRED	16

EVGE-ED - BSPP STRAIGHT STUD STAND PIPE / column group 2 of 2

Part code	Tube outside diameter (mm)
EVGE18LRED	18
EVGE20SRED	20
EVGE22LRED	22
EVGE25SRED	25
EVGE28LRED	28

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

013 / GE-M/MED - METRIC STRAIGHT MALE STUD COUPLER

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: GE06LMED / GE08LM / GE08LM14X1.5 / GE08LM16X1.5 / GE08LM18X1.5 / GE08LM22X1.5 / GE08LMED / GE10LM / GE10LM12X1.5 / GE10LM16X1.5 / GE10LM18X1.5 / GE10LM22X1.5 / GE10LMED / GE10LMED16X1.5 / GE12LM / GE12LM14X1.5 / GE12LM18X1.5 / GE12LM22X1.5 / GE12LMED / GE15LM / GE15LM16X1.5 / GE15LM22X1.5 / GE16SM / GE18LM22X1.5

GE-M/MED - METRIC STRAIGHT MALE STUD COUPLER / column group 1 of 2

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (metric diameter × pitch (mm))	Seal form	DIN series label	Listed pressure (bar)
GE06LMED	Confirm	Confirm	metric parallel	Confirm	ED; compound unspecified	L	Confirm
GE08LM	14×1.5	4.5	metric parallel	12×1.5	Confirm	L	315.0
GE08LM14X1.5	14×1.5	5.5	metric parallel	14×1.5	Confirm	L	315.0
GE08LM16X1.5	14×1.5	5.8	metric parallel	16×1.5	Confirm	L	315.0
GE08LM18X1.5	14×1.5	6.7	metric parallel	18×1.5	Confirm	L	315.0

GE-M/MED - METRIC STRAIGHT MALE STUD COUPLER / column group 1 of 2

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per 100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (metric diameter × pitch (mm))	Seal form	DIN series label	Listed pressure (bar)
GE08LM22X1.5	14×1.5	7.6	metric parallel	22×1.5	Confirm	L	315.0
GE08LMED	Confirm	Confirm	metric parallel	Confirm	ED; compound unspecified	L	Confirm
GE10LM	16×1.5	4.7	metric parallel	14×1.5	Confirm	L	315.0
GE10LM12X1.5	16×1.5	4.0	metric parallel	12×1.5	Confirm	L	315.0
GE10LM16X1.5	16×1.5	6.0	metric parallel	16×1.5	Confirm	L	315.0
GE10LM18X1.5	16×1.5	7.0	metric parallel	18×1.5	Confirm	L	315.0
GE10LM22X1.5	16×1.5	9.2	metric parallel	22×1.5	Confirm	L	315.0
GE10LMED	Confirm	Confirm	metric parallel	Confirm	ED; compound unspecified	L	Confirm
GE10LMED16X1.5	Confirm	Confirm	metric parallel	Confirm	ED; compound unspecified	L	Confirm
GE12LM	18×1.5	6.5	metric parallel	16×1.5	Confirm	L	315.0
GE12LM14X1.5	18×1.5	5.7	metric parallel	14×1.5	Confirm	L	315.0
GE12LM18X1.5	18×1.5	7.4	metric parallel	18×1.5	Confirm	L	315.0
GE12LM22X1.5	18×1.5	10.3	metric parallel	22×1.5	Confirm	L	315.0
GE12LMED	Confirm	Confirm	metric parallel	Confirm	ED; compound unspecified	L	Confirm
GE15LM	22×1.5	11.5	metric parallel	18×1.5	Confirm	L	315.0
GE15LM16X1.5	22×1.5	9.7	metric parallel	16×1.5	Confirm	L	315.0
GE15LM22X1.5	22×1.5	12.1	metric parallel	22×1.5	Confirm	L	315.0
GE16SM	24×1.5	16.0	metric parallel	22×1.5	Confirm	S	400.0
GE18LM22X1.5	26×1.5	13.0	metric parallel	22×1.5	Confirm	L	315.0

Identifying columns are repeated. Read all column groups together for the complete row specification.

GE-M/MED - METRIC STRAIGHT MALE STUD COUPLER / column group 2 of 2

Part code	Tube outside diameter (mm)
GE06LMED	6
GE08LM	8
GE08LM14X1.5	8
GE08LM16X1.5	8
GE08LM18X1.5	8
GE08LM22X1.5	8
GE08LMED	8
GE10LM	10
GE10LM12X1.5	10
GE10LM16X1.5	10
GE10LM18X1.5	10
GE10LM22X1.5	10
GE10LMED	10
GE10LMED16X1.5	10
GE12LM	12
GE12LM14X1.5	12
GE12LM18X1.5	12
GE12LM22X1.5	12
GE12LMED	12
GE15LM	15
GE15LM16X1.5	15

GE-M/MED - METRIC STRAIGHT MALE STUD COUPLER / column group 2 of 2

Part code	Tube outside diameter (mm)
GE15LM22X1.5	15
GE16SM	16
GE18LM22X1.5	18

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number. Some connection fields are awaiting a corrected dimensional drawing and are omitted; confirm the exact connection before ordering.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

014 / GE-R - BSP STRAIGHT MALE STUD COUPLER

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: GE06LR-1/8 / GE06LR-3/8 / GE08LR-1/4 / GE08LR-1/8 / GE08LR-3/8 / GE08SR-1/4 / GE10LR-1/2 / GE10LR-1/4 / GE10LR-1/8 / GE10LR-3/8 / GE10SR-3/8 / GE12LR-1/2 / GE12LR-1/4 / GE12LR-3/8 / GE12SR-1/2 / GE12SR-1/4 / GE12SR-3/8 / GE15LR-1/2 / GE15LR-3/4 / GE15LR-3/8 / GE16SR-1/2 / GE16SR-3/4 / GE16SR-3/8 / GE18LR-1/2 / GE18LR-3/4 / GE20SR-1 / GE20SR-1/2 / GE20SR-3/4 / GE25SR-1 / GE25SR-3/4 / GE28LR-1 / GE28LR-3/4 / GE30SR-1 / GE30SR-11/4 / GE35LR-1 / GE35LR-11/4 / GE38SR-11/2

[GE-R - BSP STRAIGHT MALE STUD COUPLER](#)

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GE06LR-1/8	12×1.5	2.5	BSPP	1/8	L	315.0	6
GE06LR-3/8	12×1.5	5.6	BSPP	3/8	L	315.0	6
GE08LR-1/4	14×1.5	4.5	BSPP	1/4	L	315.0	8
GE08LR-1/8	14×1.5	3.1	BSPP	1/8	L	315.0	8
GE08LR-3/8	14×1.5	6.0	BSPP	3/8	L	315.0	8
GE08SR-1/4	16×1.5	6.0	BSPP	1/4	S	630.0	8

GE-R - BSP STRAIGHT MALE STUD COUPLER

Part code	Tube-end thread T1 (metric diameter x pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GE10LR-1/2	16x1.5	9.2	BSPP	1/2	L	315.0	10
GE10LR-1/4	16x1.5	4.7	BSPP	1/4	L	315.0	10
GE10LR-1/8	16x1.5	4.0	BSPP	1/8	L	315.0	10
GE10LR-3/8	16x1.5	6.0	BSPP	3/8	L	315.0	10
GE10SR-3/8	18x1.5	9.0	BSPP	3/8	S	630.0	10
GE12LR-1/2	18x1.5	9.5	BSPP	1/2	L	315.0	12
GE12LR-1/4	18x1.5	6.1	BSPP	1/4	L	315.0	12
GE12LR-3/8	18x1.5	6.5	BSPP	3/8	L	315.0	12
GE12SR-1/2	20x1.5	13.5	BSPP	1/2	S	630.0	12
GE12SR-1/4	20x1.5	9.3	BSPP	1/4	S	630.0	12
GE12SR-3/8	20x1.5	10.2	BSPP	3/8	S	630.0	12
GE15LR-1/2	22x1.5	11.5	BSPP	1/2	L	315.0	15
GE15LR-3/4	22x1.5	16.1	BSPP	3/4	L	315.0	15
GE15LR-3/8	22x1.5	9.7	BSPP	3/8	L	315.0	15
GE16SR-1/2	24x1.5	16.0	BSPP	1/2	S	400.0	16
GE16SR-3/4	24x1.5	22.6	BSPP	3/4	S	400.0	16
GE16SR-3/8	24x1.5	15.3	BSPP	3/8	S	400.0	16
GE18LR-1/2	26x1.5	13.0	BSPP	1/2	L	315.0	18
GE18LR-3/4	26x1.5	17.3	BSPP	3/4	L	315.0	18
GE20SR-1	30x2	41.5	BSPP	1	S	400.0	20
GE20SR-1/2	30x2	24.3	BSPP	1/2	S	400.0	20

GE-R - BSP STRAIGHT MALE STUD COUPLER

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GE20SR-3/4	30×2	27.0	BSPP	3/4	S	400.0	20
GE25SR-1	36×2	49.0	BSPP	1	S	400.0	25
GE25SR-3/4	36×2	46.5	BSPP	3/4	S	400.0	25
GE28LR-1	36×2	25.0	BSPP	1	L	160.0	28
GE28LR-3/4	36×2	25.6	BSPP	3/4	L	160.0	28
GE30SR-1	42×2	57.8	BSPP	1	S	400.0	30
GE30SR-11/4	42×2	82.0	BSPP	1-1/4	S	400.0	30
GE35LR-1	45×2	37.8	BSPP	1	L	160.0	35
GE35LR-11/4	45×2	41.0	BSPP	1-1/4	L	160.0	35
GE38SR-11/2	52×2	92.0	BSPP	1-1/2	S	315.0	38

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

015 / GE-NPT - NPT STRAIGHT MALE STUD COUPLER

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: GE04LL1/8NPT / GE06L1/4NPT / GE06L1/8NPT / GE06LL1/8NPT / GE06S1/4NPT / GE08L1/4NPT / GE08L1/8NPT / GE08L3/8NPT / GE08S1/4NPT / GE10L1/2NPT / GE10L1/4NPT / GE10L3/8NPT / GE10S1/4NPT / GE10S3/8NPT / GE12L1/2NPT / GE12L1/4NPT / GE12L3/8NPT / GE12S1/2NPT / GE12S1/4NPT / GE12S3/8NPT / GE14S1/2NPT / GE15L1/2NPT / GE15L3/8NPT / GE16S1/2NPT / GE16S3/4NPT / GE16S3/8NPT / GE18L1/2NPT / GE18L3/4NPT / GE20S1/2NPT / GE20S3/4NPT / GE22L1/2NPT / GE22L3/4NPT / GE25S1NPT / GE25S3/4NPT / GE30S1NPT / GE35L11/2NPT / GE35L11/4NPT / GE38S11/2NPT / GE42L11/2NPT

GE-NPT - NPT STRAIGHT MALE STUD COUPLER

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per 100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GE04LL1/8NPT	Confirm	Confirm	NPT taper	1/8	LL	Confirm	4
GE06L1/4NPT	12×1.5	3.9	NPT taper	Confirm	L	315.0	6
GE06L1/8NPT	12×1.5	2.4	NPT taper	Confirm	L	315.0	6
GE06LL1/8NPT	12×1.5	Confirm	NPT taper	Confirm	LL	Confirm	6
GE06S1/4NPT	14×1.5	5.4	NPT taper	1/4	S	630.0	6
GE08L1/4NPT	14×1.5	4.2	NPT taper	Confirm	L	315.0	8
GE08L1/8NPT	14×1.5	3.0	NPT taper	Confirm	L	315.0	8
GE08L3/8NPT	14×1.5	6.0	NPT taper	Confirm	L	315.0	8
GE08S1/4NPT	16×1.5	6.0	NPT taper	1/4	S	630.0	8
GE10L1/2NPT	16×1.5	8.3	NPT taper	Confirm	L	315.0	10
GE10L1/4NPT	16×1.5	4.7	NPT taper	1/4	L	315.0	10
GE10L3/8NPT	16×1.5	6.0	NPT taper	Confirm	L	315.0	10
GE10S1/4NPT	18×1.5	7.5	NPT taper	1/4	S	630.0	10
GE10S3/8NPT	18×1.5	8.0	NPT taper	3/8	S	630.0	10
GE12L1/2NPT	18×1.5	9.0	NPT taper	Confirm	L	315.0	12
GE12L1/4NPT	18×1.5	5.9	NPT taper	Confirm	L	315.0	12
GE12L3/8NPT	18×1.5	6.5	NPT taper	Confirm	L	315.0	12
GE12S1/2NPT	20×1.5	12.0	NPT taper	1/2	S	630.0	12
GE12S1/4NPT	20×1.5	9.0	NPT taper	1/4	S	630.0	12
GE12S3/8NPT	20×1.5	9.9	NPT taper	3/8	S	630.0	12
GE14S1/2NPT	22×1.5	14.4	NPT taper	1/2	S	630.0	14

GE-NPT - NPT STRAIGHT MALE STUD COUPLER

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Mass per 100 pieces (kg/100 pieces)	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GE15L1/2NPT	22×1.5	10.8	NPT taper	1/2	L	315.0	15
GE15L3/8NPT	22×1.5	9.3	NPT taper	Confirm	L	315.0	15
GE16S1/2NPT	24×1.5	16.5	NPT taper	1/2	S	400.0	16
GE16S3/4NPT	24×1.5	Confirm	NPT taper	3/4	S	400.0	16
GE16S3/8NPT	24×1.5	15.7	NPT taper	3/8	S	400.0	16
GE18L1/2NPT	26×1.5	14.3	NPT taper	1/2	L	315.0	18
GE18L3/4NPT	26×1.5	17.3	NPT taper	3/4	L	160.0	18
GE20S1/2NPT	30×2	Confirm	NPT taper	1/2	S	400.0	20
GE20S3/4NPT	30×2	26.0	NPT taper	3/4	S	400.0	20
GE22L1/2NPT	30×2	Confirm	NPT taper	1/2	L	160.0	22
GE22L3/4NPT	30×2	19.5	NPT taper	3/4	L	160.0	22
GE25S1NPT	36×2	49.5	NPT taper	1	S	400.0	25
GE25S3/4NPT	36×2	Confirm	NPT taper	3/4	S	400.0	25
GE30S1NPT	42×2	56.1	NPT taper	1	S	400.0	30
GE35L11/2NPT	45×2	Confirm	NPT taper	1-1/2	L	160.0	35
GE35L11/4NPT	45×2	44.0	NPT taper	1-1/4	L	160.0	35
GE38S11/2NPT	52×2	91.3	NPT taper	1-1/2	S	315.0	38
GE42L11/2NPT	52×2	58.3	NPT taper	1-1/2	L	160.0	42

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number. Some connection fields are awaiting a corrected dimensional drawing and are omitted; confirm the exact connection before ordering.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

016 / EVL - ADJUSTABLE RUN TEE

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: EVL06L / EVL08L / EVL10L / EVL12L / EVL12S / EVL15L / EVL16S / EVL18L / EVL20S / EVL22L / EVL25S

EVL - ADJUSTABLE RUN TEE

Part code	Adjustable connection	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
EVL06L	Yes	12×1.5	12×1.5	L	315.0	6
EVL08L	Yes	14×1.5	14×1.5	L	315.0	8
EVL10L	Yes	16×1.5	16×1.5	L	315.0	10
EVL12L	Yes	18×1.5	18×1.5	L	315.0	12
EVL12S	Yes	20×1.5	20×1.5	S	630.0	12
EVL15L	Yes	22×1.5	22×1.5	L	315.0	15
EVL16S	Yes	24×1.5	24×1.5	S	400.0	16
EVL18L	Yes	26×1.5	26×1.5	L	315.0	18
EVL20S	Yes	30×2	30×2	S	400.0	20
EVL22L	Yes	30×2	30×2	L	160.0	22
EVL25S	Yes	36×2	36×2	S	400.0	25

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

017 / EVT - ADJUSTABLE BRANCH TEE

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: EVT06L / EVT08L / EVT08S / EVT10L / EVT10S / EVT12L / EVT15L / EVT18L

EVT - ADJUSTABLE BRANCH TEE

Part code	Adjustable connection	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
EVT06L	Yes	12×1.5	12×1.5	L	315.0	6
EVT08L	Yes	14×1.5	14×1.5	L	315.0	8
EVT08S	Yes	16×1.5	Confirm	S	630.0	8
EVT10L	Yes	16×1.5	16×1.5	L	315.0	10
EVT10S	Yes	18×1.5	Confirm	S	630.0	10
EVT12L	Yes	18×1.5	18×1.5	L	315.0	12
EVT15L	Yes	22×1.5	22×1.5	L	315.0	15
EVT18L	Yes	26×1.5	26×1.5	L	315.0	18

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number. Some connection fields are awaiting a corrected dimensional drawing and are omitted; confirm the exact connection before ordering.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

018 / EVW - ADJUSTABLE ELBOW

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: EVW06L / EVW06S / EVW08L / EVW08S / EVW10L / EVW10S / EVW12L / EVW12S / EVW14S / EVW15L / EVW16S / EVW18L / EVW20S / EVW22L / EVW25S / EVW28L / EVW30S / EVW35L / EVW38S / EVW42L

EVW - ADJUSTABLE ELBOW

Part code	Adjustable connection	Fitting angle (degrees)	Tube-end thread T1 (metric diameter x pitch (mm))	Second fitting thread T2 (metric diameter x pitch (mm))	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
EVW06L	Yes	90	12x1.5	12x1.5	L	315.0	6
EVW06S	Yes	90	14x1.5	14x1.5	S	630.0	6
EVW08L	Yes	90	14x1.5	14x1.5	L	315.0	8
EVW08S	Yes	90	16x1.5	16x1.5	S	630.0	8
EVW10L	Yes	90	16x1.5	16x1.5	L	315.0	10
EVW10S	Yes	90	18x1.5	18x1.5	S	630.0	10
EVW12L	Yes	90	18x1.5	18x1.5	L	315.0	12
EVW12S	Yes	90	20x1.5	20x1.5	S	630.0	12
EVW14S	Yes	90	22x1.5	22x1.5	S	630.0	14
EVW15L	Yes	90	22x1.5	22x1.5	L	315.0	15
EVW16S	Yes	90	24x1.5	24x1.5	S	400.0	16
EVW18L	Yes	90	26x1.5	26x1.5	L	160.0	18
EVW20S	Yes	90	30x2	30x2	S	400.0	20
EVW22L	Yes	90	30x2	30x2	L	160.0	22
EVW25S	Yes	90	36x2	36x2	S	400.0	25
EVW28L	Yes	90	36x2	36x2	L	160.0	28
EVW30S	Yes	90	42x2	42x2	S	400.0	30
EVW35L	Yes	90	45x2	45x2	L	160.0	35
EVW38S	Yes	90	52x2	52x2	S	315.0	38
EVW42L	Yes	90	52x2	52x2	L	160.0	42

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

019 / KOR - REDUCING STAND PIPE

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: KOR08/06L / KOR10/08L / KOR12/06L / KOR12/08L / KOR12/10L / KOR15/12L / KOR16/12S / KOR18/10L / KOR18/12L / KOR18/15L / KOR20/12S / KOR22/18L / KOR25/12S / KOR25/20S

KOR - REDUCING STAND PIPE

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Second fitting thread T2 (metric diameter × pitch (mm))	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
KOR08/06L	14×1.5	12×1.5	L	315.0	8
KOR10/08L	16×1.5	14×1.5	L	315.0	10
KOR12/06L	18×1.5	12×1.5	L	315.0	12
KOR12/08L	18×1.5	14×1.5	L	315.0	12
KOR12/10L	18×1.5	16×1.5	L	315.0	12
KOR15/12L	22×1.5	18×1.5	L	315.0	15
KOR16/12S	24×1.5	20×1.5	S	400.0	16
KOR18/10L	26×1.5	16×1.5	L	315.0	18
KOR18/12L	26×1.5	18×1.5	L	315.0	18
KOR18/15L	26×1.5	22×1.5	L	315.0	18
KOR20/12S	30×2	20×1.5	S	400.0	20
KOR22/18L	30×2	26×1.5	L	315.0	22
KOR25/12S	36×2	20×1.5	S	400.0	25
KOR25/20S	36×2	30×2	S	400.0	25

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

020 / GAI - STRAIGHT FEMALE STUD COUPLING

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: GAI06LR / GAI06SR / GAI08LR / GAI08SR / GAI10LR / GAI10SR / GAI12LR / GAI12SR / GAI14SR / GAI18LR

GAI - STRAIGHT FEMALE STUD COUPLING

Part code	Tube-end thread T1 (metric diameter × pitch (mm))	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
GAI06LR	12×1.5	BSP female; parallel/taper not specified	1/8	L	315.0	6
GAI06SR	14×1.5	BSP female; parallel/taper not specified	1/4	S	630.0	6
GAI08LR	14×1.5	BSP female; parallel/taper not specified	1/4	L	315.0	8
GAI08SR	16×1.5	BSP female; parallel/taper not specified	1/4	S	630.0	8
GAI10LR	16×1.5	BSP female; parallel/taper not specified	1/4	L	315.0	10
GAI10SR	18×1.5	BSP female; parallel/taper not specified	3/8	S	630.0	10
GAI12LR	18×1.5	BSP female; parallel/taper not specified	3/8	L	315.0	12
GAI12SR	20×1.5	BSP female; parallel/taper not specified	3/8	S	630.0	12
GAI14SR	22×1.5	BSP female; parallel/taper not specified	1/2	S	630.0	14
GAI18LR	26×1.5	BSP female; parallel/taper not specified	1/2	L	315.0	18

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

021 / RI - MALE FEMALE REDUCING BUSH

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: RI1/2X1 / RI1/2X1/4 / RI1/2X3/8 / RI1/4X1/2 / RI1/4X1/8 / RI1/4X3/4 / RI1/4X3/8 / RI1/8X1/4 / RI11/4X1 / RI11/4X1/2 / RI11/4X3/4 / RI1X1/2 / RI1X3/4 / RI3/4X1/2 / RI3/4X1/4 / RI3/4X3/8 / RI3/8X1/2 / RI3/8X1/4 / RI3/8X1/8

RI - MALE FEMALE REDUCING BUSH

Part code	Female thread T2 (in)	Male thread T1 (in)	Thread family
RI1/2X1	1	1/2	BSP; parallel/taper not specified
RI1/2X1/4	1/4	1/2	BSP; parallel/taper not specified
RI1/2X3/8	3/8	1/2	BSP; parallel/taper not specified
RI1/4X1/2	1/2	1/4	BSP; parallel/taper not specified
RI1/4X1/8	1/8	1/4	BSP; parallel/taper not specified
RI1/4X3/4	3/4	1/4	BSP; parallel/taper not specified
RI1/4X3/8	3/8	1/4	BSP; parallel/taper not specified
RI1/8X1/4	1/4	1/8	BSP; parallel/taper not specified
RI11/4X1	1	1-1/4	BSP; parallel/taper not specified
RI11/4X1/2	1/2	1-1/4	BSP; parallel/taper not specified
RI11/4X3/4	3/4	1-1/4	BSP; parallel/taper not specified
RI1X1/2	1/2	1	BSP; parallel/taper not specified
RI1X3/4	3/4	1	BSP; parallel/taper not specified
RI3/4X1/2	1/2	3/4	BSP; parallel/taper not specified
RI3/4X1/4	1/4	3/4	BSP; parallel/taper not specified
RI3/4X3/8	3/8	3/4	BSP; parallel/taper not specified
RI3/8X1/2	1/2	3/8	BSP; parallel/taper not specified

RI - MALE FEMALE REDUCING BUSH

Part code	Female thread T2 (in)	Male thread T1 (in)	Thread family
RI3/8X1/4	1/4	3/8	BSP; parallel/taper not specified
RI3/8X1/8	1/8	3/8	BSP; parallel/taper not specified

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Nominal connection or tube size is listed only where explicitly stated. Confirm exact thread form, seals, material, working pressure, temperature and outline dimensions. No generic pressure rating is assigned.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

022 / WE-NPT - MALE STUD ELBOW - NPT

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: WE06L-1/4NPT / WE06L-1/8NPT / WE06S-1/4NPT / WE08L-1/4NPT / WE10L-1/4NPT / WE10L-3/8NPT / WE12L-1/2NPT / WE12L-1/4NPT / WE12L-3/8NPT / WE12S-1/2NPT / WE14S-1/2NPT / WE16S-1/2NPT / WE20S-3/4NPT / WE22L-3/4NPT / WE25S-1NPT / WE28L-1NPT

WE-NPT - MALE STUD ELBOW - NPT

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WE06L-1/4NPT	90	12×1.5	NPT taper	1/4	L	315.0	6
WE06L-1/8NPT	90	12×1.5	NPT taper	1/8	L	315.0	6
WE06S-1/4NPT	90	14×1.5	NPT taper	1/4	S	630.0	6
WE08L-1/4NPT	90	14×1.5	NPT taper	1/4	L	315.0	8
WE10L-1/4NPT	90	16×1.5	NPT taper	1/4	L	315.0	10
WE10L-3/8NPT	90	16×1.5	NPT taper	3/8	L	315.0	10
WE12L-1/2NPT	90	18×1.5	NPT taper	1/2	L	315.0	12
WE12L-1/4NPT	90	18×1.5	NPT taper	1/4	L	315.0	12
WE12L-3/8NPT	90	18×1.5	NPT taper	3/8	L	315.0	12

WE-NPT - MALE STUD ELBOW - NPT

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WE12S-1/2NPT	90	20×1.5	NPT taper	1/2	S	630.0	12
WE14S-1/2NPT	90	22×1.5	NPT taper	1/2	S	630.0	14
WE16S-1/2NPT	90	24×1.5	NPT taper	1/2	S	400.0	16
WE20S-3/4NPT	90	30×2	NPT taper	3/4	S	400.0	20
WE22L-3/4NPT	90	30×2	NPT taper	3/4	L	160.0	22
WE25S-1NPT	90	36×2	NPT taper	1	S	400.0	25
WE28L-1NPT	90	36×2	NPT taper	1	L	160.0	28

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

023 / WE-R - MALE STUD ELBOW - BSPP

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: WE06LR1/4 / WE06LR1/8 / WE08LR1/4 / WE10LR1/4 / WE12LR1/4 / WE12LR3/8 / WE16SR1/2 / WE18LR1/2

WE-R - MALE STUD ELBOW - BSPP

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WE06LR1/4	90	12×1.5	BSPP	1/4	L	315.0	6
WE06LR1/8	90	12×1.5	BSPP	1/8	L	315.0	6
WE08LR1/4	90	14×1.5	BSPP	1/4	L	315.0	8
WE10LR1/4	90	16×1.5	BSPP	1/4	L	315.0	10

WE-R - MALE STUD ELBOW - BSPP

Part code	Fitting angle (degrees)	Tube-end thread T1 (metric diameter × pitch (mm))	Port thread family	Port thread T2 (in)	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
WE12LR1/4	90	18×1.5	BSPP	1/4	L	315.0	12
WE12LR3/8	90	18×1.5	BSPP	3/8	L	315.0	12
WE16SR1/2	90	24×1.5	BSPP	1/2	S	400.0	16
WE18LR1/2	90	26×1.5	BSPP	1/2	L	315.0	18

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

024 / BUZ - BLANKING PLUGS

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: BUZ06L/S / BUZ08L/S / BUZ10L/S / BUZ12L/S / BUZ15L / BUZ16S / BUZ18L / BUZ20S / BUZ22L / BUZ25S / BUZ30S / BUZ38S

BUZ - BLANKING PLUGS

Part code	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
BUZ06L/S	L/S	315.0	6
BUZ08L/S	L/S	315.0	8
BUZ10L/S	L/S	315.0	10
BUZ12L/S	L/S	315.0	12
BUZ15L	L	315.0	15
BUZ16S	S	400.0	16
BUZ18L	L	315.0	18

BUZ - BLANKING PLUGS

Part code	DIN series label	Listed pressure (bar)	Tube outside diameter (mm)
BUZ20S	S	400.0	20
BUZ22L	L	160.0	22
BUZ25S	S	400.0	25
BUZ30S	S	400.0	30
BUZ38S	S	315.0	38

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Use the exact tube outside diameter, series and stated threads together. Listed pressure is specific to the row; material, seal compound, temperature basis, assembly requirements and installation dimensions require confirmation. Missing values are not inferred from a DIN series or similar part number.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

025 / VSTI-ED - LOCKING COMPONENT - BSP PLUG

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: VSTI1/2ED / VSTI1/4ED / VSTI1/8ED / VSTI11/2ED / VSTI11/4ED / VSTI1ED / VSTI3/4ED / VSTI3/8ED

VSTI-ED - LOCKING COMPONENT - BSP PLUG

Part code	Nominal plug thread	Seal form	Thread family
VSTI1/2ED	1/2	ED; compound unspecified	BSP; parallel/taper not specified
VSTI1/4ED	1/4	ED; compound unspecified	BSP; parallel/taper not specified
VSTI1/8ED	1/8	ED; compound unspecified	BSP; parallel/taper not specified
VSTI11/2ED	1-1/2	ED; compound unspecified	BSP; parallel/taper not specified
VSTI11/4ED	1-1/4	ED; compound unspecified	BSP; parallel/taper not specified
VSTI1ED	1	ED; compound unspecified	BSP; parallel/taper not specified
VSTI3/4ED	3/4	ED; compound unspecified	BSP; parallel/taper not specified

VSTI-ED - LOCKING COMPONENT - BSP PLUG

Part code	Nominal plug thread	Seal form	Thread family
VSTI3/8ED	3/8	ED; compound unspecified	BSP; parallel/taper not specified

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Nominal connection or tube size is listed only where explicitly stated. Confirm exact thread form, seals, material, working pressure, temperature and outline dimensions. No generic pressure rating is assigned.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

026 / MAV - BSP PRESSURE GAUGE CONNECTOR

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: MAV06LR / MAV06SR / MAV08LR / MAV08SR / MAV10LR / MAV10SR / MAV12LR / MAV12SR

MAV - BSP PRESSURE GAUGE CONNECTOR

Part code	Connection family	DIN series label	Tube outside diameter (mm)
MAV06LR	BSP gauge connection; nominal gauge thread not stated	L	6
MAV06SR	BSP gauge connection; nominal gauge thread not stated	S	6
MAV08LR	BSP gauge connection; nominal gauge thread not stated	L	8
MAV08SR	BSP gauge connection; nominal gauge thread not stated	S	8
MAV10LR	BSP gauge connection; nominal gauge thread not stated	L	10
MAV10SR	BSP gauge connection; nominal gauge thread not stated	S	10
MAV12LR	BSP gauge connection; nominal gauge thread not stated	L	12
MAV12SR	BSP gauge connection; nominal gauge thread not stated	S	12

Exact tube-fitting selections by tube outside diameter, series and the connection dimensions shown. Nominal connection or tube size is listed only where explicitly stated. Confirm exact thread form, seals, material, working pressure, temperature and outline dimensions. No generic pressure rating is assigned.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

027 / Single

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: CL06 / CL08 / CL10 / CL12 / CL14 / CL15 / CL16 / CL18 / CL20 / CL22 / CL25 / CL28 / CL30 / CL32 / CL35 / CL38 / CL42

Single and twin tube-clamp bores

Part code	Tube outside diameter (mm)	Tube positions	Block material
CL06	6	1	polypropylene
CL08	8	1	polypropylene
CL10	10	1	polypropylene
CL12	12	1	polypropylene
CL14	14	1	polypropylene
CL15	15	1	polypropylene
CL16	16	1	polypropylene
CL18	18	1	polypropylene
CL20	20	1	polypropylene
CL22	22	1	polypropylene
CL25	25	1	polypropylene
CL28	28	1	polypropylene
CL30	30	1	polypropylene
CL32	32	1	polypropylene
CL35	35	1	polypropylene
CL38	38	1	polypropylene
CL42	42	1	polypropylene

Single and twin polypropylene tube-clamp blocks selected by tube outside diameter. Confirm the mounting hardware, plate material, bolt spacing, overall dimensions and temperature requirement. Bore size does not establish mounting load or vibration capacity.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

028 / Double

Hydraulic tube connections and installation components selected to the specified interface.

Ordering references: CD12 / CD15 / CD16 / CD18 / CD20 / CD22 / CD25 / CD28

Single and twin tube-clamp bores

Part code	Tube outside diameter (mm)	Tube positions	Block material
CD12	12	2	polypropylene
CD15	15	2	polypropylene
CD16	16	2	polypropylene
CD18	18	2	polypropylene
CD20	20	2	polypropylene
CD22	22	2	polypropylene
CD25	25	2	polypropylene
CD28	28	2	polypropylene

Single and twin polypropylene tube-clamp blocks selected by tube outside diameter. Confirm the mounting hardware, plate material, bolt spacing, overall dimensions and temperature requirement. Bore size does not establish mounting load or vibration capacity.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

029 / Weld-Neck Stainless Steel Flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
60.3	4.0	15.88	weld neck	90.0	30.0	Confirm	15.8	46.0
69.9	4.0	15.88	weld neck	100.0	38.0	Confirm	20.9	51.0
79.4	4.0	15.88	weld neck	110.0	49.0	Confirm	26.6	54.0
88.9	4.0	15.88	weld neck	115.0	59.0	Confirm	35.1	56.0
98.4	4.0	15.88	weld neck	125.0	65.0	Confirm	40.9	60.0
120.7	4.0	19.05	weld neck	150.0	78.0	Confirm	52.5	62.0
139.7	4.0	19.05	weld neck	180.0	90.0	Confirm	62.7	68.0
152.4	4.0	19.05	weld neck	190.0	108.0	Confirm	77.9	68.0
177.8	8.0	19.05	weld neck	215.0	122.0	Confirm	90.1	70.0
190.5	8.0	19.05	weld neck	230.0	135.0	Confirm	102.3	75.0
215.9	8.0	22.23	weld neck	255.0	164.0	Confirm	128.2	87.0
241.3	8.0	22.23	weld neck	280.0	192.0	Confirm	154.1	87.0
298.5	8.0	22.23	weld neck	345.0	246.0	Confirm	202.7	100.0
362.0	12.0	25.4	weld neck	405.0	305.0	Confirm	254.6	100.0
431.8	12.0	25.4	weld neck	485.0	365.0	Confirm	304.8	113.0
476.3	12.0	28.58	weld neck	535.0	400.0	specified by purchaser; drawing/schedule required	Confirm	125.0
539.8	16.0	28.58	weld neck	595.0	457.0	specified by purchaser; drawing/schedule required	Confirm	125.0
577.9	16.0	31.75	weld neck	635.0	505.0	specified by purchaser; drawing/schedule required	Confirm	138.0

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
635.0	20.0	31.75	weld neck	700.0	559.0	specified by purchaser; drawing/schedule required	Confirm	143.0
749.3	20.0	34.93	weld neck	815.0	663.0	specified by purchaser; drawing/schedule required	Confirm	151.0
806.4	24.0	34.93	weld neck	870.0	676.0	specified by purchaser; drawing/schedule required	Confirm	119.0
744.5	36.0	22.23	weld neck	785.0	684.0	specified by purchaser; drawing/schedule required	Confirm	87.0
863.6	28.0	34.93	weld neck	925.0	727.0	specified by purchaser; drawing/schedule required	Confirm	124.0
795.3	40.0	22.23	weld neck	835.0	735.0	specified by purchaser; drawing/schedule required	Confirm	94.0
914.4	28.0	34.93	weld neck	985.0	781.0	specified by purchaser; drawing/schedule required	Confirm	135.0
846.1	44.0	22.23	weld neck	885.0	787.0	specified by purchaser; drawing/schedule required	Confirm	98.0
977.9	28.0	41.28	weld neck	1060.0	832.0	specified by purchaser; drawing/schedule required	Confirm	143.0
900.1	48.0	22.23	weld neck	940.0	840.0	specified by purchaser; drawing/schedule required	Confirm	106.0
1028.7	32.0	41.28	weld neck	1110.0	883.0	specified by purchaser; drawing/schedule required	Confirm	148.0
957.3	40.0	25.4	weld neck	1005.0	892.0	specified by purchaser; drawing/schedule required	Confirm	109.0
1085.8	32.0	41.28	weld neck	1170.0	933.0	specified by purchaser; drawing/schedule required	Confirm	156.0
1009.6	44.0	25.4	weld neck	1055.0	945.0	specified by purchaser; drawing/schedule required	Confirm	116.0

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
1149.4	32.0	41.28	weld neck	1240.0	991.0	specified by purchaser; drawing/schedule required	Confirm	156.0
1070.0	40.0	28.58	weld neck	1125.0	997.0	specified by purchaser; drawing/schedule required	Confirm	122.0
1200.2	36.0	41.28	weld neck	1290.0	1041.0	specified by purchaser; drawing/schedule required	Confirm	162.0
1120.8	44.0	28.58	weld neck	1175.0	1049.0	specified by purchaser; drawing/schedule required	Confirm	127.0
1257.3	36.0	41.28	weld neck	1345.0	1092.0	specified by purchaser; drawing/schedule required	Confirm	170.0
1171.6	48.0	28.58	weld neck	1225.0	1102.0	specified by purchaser; drawing/schedule required	Confirm	132.0
1314.4	40.0	41.28	weld neck	1405.0	1143.0	specified by purchaser; drawing/schedule required	Confirm	176.0
1222.4	52.0	28.58	weld neck	1275.0	1153.0	specified by purchaser; drawing/schedule required	Confirm	135.0
1365.2	40.0	41.28	weld neck	1455.0	1197.0	specified by purchaser; drawing/schedule required	Confirm	184.0
1284.3	40.0	31.75	weld neck	1340.0	1205.0	specified by purchaser; drawing/schedule required	Confirm	143.0
1422.4	44.0	41.28	weld neck	1510.0	1248.0	specified by purchaser; drawing/schedule required	Confirm	191.0
1335.1	44.0	31.75	weld neck	1390.0	1257.0	specified by purchaser; drawing/schedule required	Confirm	148.0
66.7	4.0	15.88	weld neck	95.0	38.0	Confirm	15.8	51.0
82.6	4.0	19.05	weld neck	115.0	48.0	Confirm	20.9	56.0
88.9	4.0	19.05	weld neck	125.0	54.0	Confirm	26.6	60.0

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
98.4	4.0	19.05	weld neck	135.0	64.0	Confirm	35.1	64.0
114.3	4.0	22.23	weld neck	155.0	70.0	Confirm	40.9	67.0
127.0	8.0	19.05	weld neck	165.0	84.0	Confirm	52.5	68.0
149.2	8.0	22.23	weld neck	190.0	100.0	Confirm	62.7	75.0
168.3	8.0	22.23	weld neck	210.0	117.0	Confirm	77.9	78.0
184.2	8.0	22.23	weld neck	230.0	133.0	Confirm	90.1	79.0
200.0	8.0	22.23	weld neck	255.0	146.0	Confirm	102.3	84.0
235.0	8.0	22.23	weld neck	280.0	178.0	Confirm	128.2	97.0
269.9	12.0	22.23	weld neck	320.0	206.0	Confirm	154.1	97.0
330.2	12.0	25.4	weld neck	380.0	260.0	Confirm	202.7	110.0
387.4	16.0	28.58	weld neck	445.0	321.0	Confirm	254.6	116.0
450.8	16.0	31.75	weld neck	520.0	375.0	Confirm	304.8	129.0
514.4	20.0	31.75	weld neck	585.0	425.0	specified by purchaser; drawing/schedule required	Confirm	141.0
571.5	20.0	34.93	weld neck	650.0	483.0	specified by purchaser; drawing/schedule required	Confirm	144.0
628.6	24.0	34.93	weld neck	710.0	533.0	specified by purchaser; drawing/schedule required	Confirm	157.0
685.8	24.0	34.93	weld neck	775.0	587.0	specified by purchaser; drawing/schedule required	Confirm	160.0
812.8	24.0	41.28	weld neck	915.0	702.0	specified by purchaser; drawing/schedule required	Confirm	167.0
876.3	28.0	44.45	weld neck	970.0	721.0	specified by purchaser; drawing/schedule required	Confirm	183.0

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
803.3	32.0	34.93	weld neck	865.0	702.0	specified by purchaser; drawing/schedule required	Confirm	168.0
939.8	28.0	44.45	weld neck	1035.0	775.0	specified by purchaser; drawing/schedule required	Confirm	195.0
857.2	36.0	34.93	weld neck	920.0	756.0	specified by purchaser; drawing/schedule required	Confirm	148.0
997.0	28.0	47.63	weld neck	1090.0	827.0	specified by purchaser; drawing/schedule required	Confirm	208.0
920.8	36.0	38.1	weld neck	990.0	813.0	specified by purchaser; drawing/schedule required	Confirm	156.0
1054.1	28.0	50.8	weld neck	1150.0	881.0	specified by purchaser; drawing/schedule required	Confirm	221.0
977.9	32.0	41.28	weld neck	1055.0	864.0	specified by purchaser; drawing/schedule required	Confirm	167.0
1104.9	28.0	50.8	weld neck	1205.0	937.0	specified by purchaser; drawing/schedule required	Confirm	230.0
1031.9	36.0	41.28	weld neck	1110.0	918.0	specified by purchaser; drawing/schedule required	Confirm	171.0
1168.4	32.0	53.98	weld neck	1270.0	991.0	specified by purchaser; drawing/schedule required	Confirm	240.0
1089.0	32.0	44.45	weld neck	1170.0	965.0	specified by purchaser; drawing/schedule required	Confirm	179.0
1139.8	36.0	44.45	weld neck	1220.0	1016.0	specified by purchaser; drawing/schedule required	Confirm	165.0
1190.6	40.0	44.45	weld neck	1275.0	1067.0	specified by purchaser; drawing/schedule required	Confirm	197.0
1244.6	36.0	47.63	weld neck	1335.0	1118.0	specified by purchaser; drawing/schedule required	Confirm	203.0

Weld-neck flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt hole count	Bolt hole diameter i mm	Construction	Flange od mm	Hub diameter m mm	Inside bore selection	Inside diameter j mm	Length through hub h mm
1295.4	40.0	47.63	weld neck	1385.0	1173.0	specified by purchaser; drawing/schedule required	Confirm	213.0
1365.2	36.0	50.8	weld neck	1460.0	1229.0	specified by purchaser; drawing/schedule required	Confirm	221.0
1416.0	40.0	50.8	weld neck	1510.0	1278.0	specified by purchaser; drawing/schedule required	Confirm	222.0

Identifying columns are repeated. Read all column groups together for the complete row specification.

Weld-neck flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt hole count	Mass kg	Minimum thickness b mm	Nominal pipe size inch	Raised face diameter g mm	pattern	series	Weld bevel diameter a mm
60.3	4.0	0.51	9.6	1/2	34.9	ASTM/ASME A/SA182 - 150LBS	Confirm	21.3
69.9	4.0	0.73	11.2	3/4	42.9	ASTM/ASME A/SA182 - 150LBS	Confirm	26.7
79.4	4.0	1.07	12.7	1	50.8	ASTM/ASME A/SA182 - 150LBS	Confirm	33.4
88.9	4.0	1.4	14.3	1-1/4	63.5	ASTM/ASME A/SA182 - 150LBS	Confirm	42.2
98.4	4.0	1.81	15.9	1-1/2	73.0	ASTM/ASME A/SA182 - 150LBS	Confirm	48.3
120.7	4.0	2.59	17.5	2	92.1	ASTM/ASME A/SA182 - 150LBS	Confirm	60.3
139.7	4.0	4.28	20.7	2-1/2	104.8	ASTM/ASME A/SA182 - 150LBS	Confirm	73.0
152.4	4.0	5.18	22.3	3	127.0	ASTM/ASME A/SA182 - 150LBS	Confirm	88.9
177.8	8.0	5.45	22.3	3-1/2	139.7	ASTM/ASME A/SA182 - 150LBS	Confirm	101.6
190.5	8.0	7.32	22.3	4	157.2	ASTM/ASME A/SA182 - 150LBS	Confirm	114.3
215.9	8.0	8.91	22.3	5	185.7	ASTM/ASME A/SA182 - 150LBS	Confirm	141.3
241.3	8.0	11.26	23.9	6	215.9	ASTM/ASME A/SA182 - 150LBS	Confirm	168.3
298.5	8.0	17.68	27.0	8	269.9	ASTM/ASME A/SA182 - 150LBS	Confirm	219.1
362.0	12.0	24.79	28.6	10	323.8	ASTM/ASME A/SA182 - 150LBS	Confirm	273.0

Weld-neck flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt hole count	Mass kg	Minimum thickness b mm	Nominal pipe size inch	Raised face diameter g mm	pattern	series	Weld bevel diameter a mm
431.8	12.0	38.98	30.2	12	381.0	ASTM/ASME A/SA182 - 150LBS	Confirm	323.8
476.3	12.0	51.71	33.4	14	412.8	ASTM/ASME A/SA182 - 150LBS	Confirm	355.6
539.8	16.0	64.41	35.0	16	469.9	ASTM/ASME A/SA182 - 150LBS	Confirm	406.4
577.9	16.0	74.84	38.1	18	533.4	ASTM/ASME A/SA182 - 150LBS	Confirm	457.0
635.0	20.0	89.36	41.3	20	584.2	ASTM/ASME A/SA182 - 150LBS	Confirm	508.0
749.3	20.0	119.66	46.1	24	692.2	ASTM/ASME A/SA182 - 150LBS	Confirm	610.0
806.4	24.0	150.17	66.7	26	749.0	ASTM/ASME A/SA182 - 150LBS	A	660.4
744.5	36.0	63.2	39.8	26	711.0	ASTM/ASME A/SA182 - 150LBS	B	661.9
863.6	28.0	171.36	69.9	28	800.0	ASTM/ASME A/SA182 - 150LBS	A	711.2
795.3	40.0	72.9	43.0	28	762.0	ASTM/ASME A/SA182 - 150LBS	B	712.7
914.4	28.0	200.22	73.1	30	857.0	ASTM/ASME A/SA182 - 150LBS	A	762.0
846.1	44.0	79.8	43.0	30	813.0	ASTM/ASME A/SA182 - 150LBS	B	763.5
977.9	28.0	250.06	79.4	32	914.0	ASTM/ASME A/SA182 - 150LBS	A	812.8
900.1	48.0	91.4	44.6	32	864.0	ASTM/ASME A/SA182 - 150LBS	B	814.3
1028.7	32.0	267.72	81.0	34	965.0	ASTM/ASME A/SA182 - 150LBS	A	863.6
957.3	40.0	109.7	47.7	34	921.0	ASTM/ASME A/SA182 - 150LBS	B	865.1
1085.8	32.0	316.3	88.9	36	1022.0	ASTM/ASME A/SA182 - 150LBS	A	914.4
1009.6	44.0	124.5	50.9	36	972.0	ASTM/ASME A/SA182 - 150LBS	B	915.9
1149.4	32.0	352.11	85.8	38	1073.0	ASTM/ASME A/SA182 - 150LBS	A	965.2
1070.0	40.0	146.3	52.5	38	1022.0	ASTM/ASME A/SA182 - 150LBS	B	968.2
1200.2	36.0	379.8	88.9	40	1124.0	ASTM/ASME A/SA182 - 150LBS	A	1016.0

Weld-neck flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt hole count	Mass kg	Minimum thickness b mm	Nominal pipe size inch	Raised face diameter g mm	pattern	series	Weld bevel diameter a mm
1120.8	44.0	159.3	54.1	40	1080.0	ASTM/ASME A/SA182 - 150LBS	B	1019.0
1257.3	36.0	435.33	95.3	42	1194.0	ASTM/ASME A/SA182 - 150LBS	A	1066.8
1171.6	48.0	175.3	57.3	42	1130.0	ASTM/ASME A/SA182 - 150LBS	B	1069.8
1314.4	40.0	484.15	100.1	44	1245.0	ASTM/ASME A/SA182 - 150LBS	A	1117.6
1222.4	52.0	187.9	58.9	44	1181.0	ASTM/ASME A/SA182 - 150LBS	B	1120.6
1365.2	40.0	518.15	101.6	46	1295.0	ASTM/ASME A/SA182 - 150LBS	A	1168.4
1284.3	40.0	220.3	60.4	46	1235.0	ASTM/ASME A/SA182 - 150LBS	B	1171.4
1422.4	44.0	572.87	106.4	48	1359.0	ASTM/ASME A/SA182 - 150LBS	A	1219.2
1335.1	44.0	239.5	63.6	48	1289.0	ASTM/ASME A/SA182 - 150LBS	B	1222.2
66.7	4.0	0.78	12.7	1/2	34.9	ASTM/ASME A/SA182 - 300LBS	Confirm	21.3
82.6	4.0	1.34	14.3	3/4	42.9	ASTM/ASME A/SA182 - 300LBS	Confirm	26.7
88.9	4.0	1.64	15.9	1	50.8	ASTM/ASME A/SA182 - 300LBS	Confirm	33.4
98.4	4.0	2.06	17.5	1-1/4	63.5	ASTM/ASME A/SA182 - 300LBS	Confirm	42.2
114.3	4.0	3.06	19.1	1-1/2	73.0	ASTM/ASME A/SA182 - 300LBS	Confirm	48.3
127.0	8.0	3.4	20.7	2	92.1	ASTM/ASME A/SA182 - 300LBS	Confirm	60.3
149.2	8.0	5.31	23.9	2-1/2	104.8	ASTM/ASME A/SA182 - 300LBS	Confirm	73.0
168.3	8.0	7.32	27.0	3	127.0	ASTM/ASME A/SA182 - 300LBS	Confirm	88.9
184.2	8.0	8.17	28.6	3-1/2	139.7	ASTM/ASME A/SA182 - 300LBS	Confirm	101.6
200.0	8.0	11.3	30.2	4	157.2	ASTM/ASME A/SA182 - 300LBS	Confirm	114.3
235.0	8.0	15.12	33.4	5	185.7	ASTM/ASME A/SA182 - 300LBS	Confirm	141.3
269.9	12.0	19.68	35.0	6	215.9	ASTM/ASME A/SA182 - 300LBS	Confirm	168.3

Weld-neck flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt hole count	Mass kg	Minimum thickness b mm	Nominal pipe size inch	Raised face diameter g mm	pattern	series	Weld bevel diameter a mm
330.2	12.0	30.48	39.7	8	269.9	ASTM/ASME A/SA182 - 300LBS	Confirm	219.1
387.4	16.0	43.74	46.1	10	323.8	ASTM/ASME A/SA182 - 300LBS	Confirm	273.0
450.8	16.0	64.41	49.3	12	381.0	ASTM/ASME A/SA182 - 300LBS	Confirm	323.8
514.4	20.0	88.3	52.4	14	412.8	ASTM/ASME A/SA182 - 300LBS	Confirm	355.6
571.5	20.0	112.94	55.6	16	469.9	ASTM/ASME A/SA182 - 300LBS	Confirm	406.4
628.6	24.0	138.34	58.8	18	533.4	ASTM/ASME A/SA182 - 300LBS	Confirm	457.0
685.8	24.0	167.37	62.0	20	584.2	ASTM/ASME A/SA182 - 300LBS	Confirm	508.0
812.8	24.0	235.41	68.3	24	692.2	ASTM/ASME A/SA182 - 300LBS	Confirm	610.0
876.3	28.0	283.4	77.8	26	749.0	ASTM/ASME A/SA182 - 300LBS	A	660.4
803.3	32.0	185.0	87.4	26	737.0	ASTM/ASME A/SA182 - 300LBS	B	665.2
939.8	28.0	343.2	84.2	28	800.0	ASTM/ASME A/SA182 - 300LBS	A	711.2
857.2	36.0	202.5	87.4	28	787.0	ASTM/ASME A/SA182 - 300LBS	B	716.0
997.0	28.0	395.3	90.5	30	857.0	ASTM/ASME A/SA182 - 300LBS	A	762.0
920.8	36.0	246.2	92.1	30	845.0	ASTM/ASME A/SA182 - 300LBS	B	768.4
1054.1	28.0	455.0	96.9	32	914.0	ASTM/ASME A/SA182 - 300LBS	A	812.8
977.9	32.0	302.1	101.6	32	902.0	ASTM/ASME A/SA182 - 300LBS	B	819.2
1104.9	28.0	511.5	100.1	34	965.0	ASTM/ASME A/SA182 - 300LBS	A	863.6
1031.9	36.0	324.4	101.6	34	953.0	ASTM/ASME A/SA182 - 300LBS	B	870.0
1168.4	32.0	568.2	103.2	36	1022.0	ASTM/ASME A/SA182 - 300LBS	A	914.4
1089.0	32.0	363.9	101.6	36	1010.0	ASTM/ASME A/SA182 - 300LBS	B	920.8
1139.8	36.0	407.4	109.6	38	1060.0	ASTM/ASME A/SA182 - 300LBS	B	971.6

Weld-neck flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt hole count	Mass kg	Minimum thickness b mm	Nominal pipe size inch	Raised face diameter g mm	pattern	series	Weld bevel diameter a mm
1190.6	40.0	440.3	114.3	40	1114.0	ASTM/ASME A/SA182 - 300LBS	B	1022.4
1244.6	36.0	489.9	117.5	42	1168.0	ASTM/ASME A/SA182 - 300LBS	B	1074.7
1295.4	40.0	541.1	125.5	44	1219.0	ASTM/ASME A/SA182 - 300LBS	B	1125.5
1365.2	36.0	637.0	127.0	46	1270.0	ASTM/ASME A/SA182 - 300LBS	B	1176.3
1416.0	40.0	656.8	127.0	48	1327.0	ASTM/ASME A/SA182 - 300LBS	B	1227.1

Identifying columns are repeated. Read all column groups together for the complete row specification.

Weld-neck flange construction dimensions with large-bore series kept separate. Confirm material grade and the applicable current dimensional and pressure-temperature standard. The printed A/SA 182 reference does not establish a supplied grade or certification. Inside bore is purchaser-specified from NPS 14 upward; provide pipe schedule or bore requirement. Large-bore A/B series are not interchangeable; unresolved rows are omitted.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

030 / Slip-On Stainless Steel Flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

Slip-on flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt count	Bolt hole l mm	Bore j mm	Construction	Face g mm	Flange od mm	Hub m mm	Length h mm	Nominal pipe size inch	pattern	pipe od mm
60.3	4.0	15.9	22.3	slip-on	34.9	88.9	30.2	15.9	1/2	150 lb/sq.in.; B.S.3293	21.3
69.8	4.0	15.9	27.7	slip-on	42.9	98.4	38.1	15.9	3/4	150 lb/sq.in.; B.S.3293	26.7
79.4	4.0	15.9	34.5	slip-on	50.8	107.9	49.2	17.5	1	150 lb/sq.in.; B.S.3293	33.4
88.9	4.0	15.9	43.2	slip-on	63.5	117.5	58.7	20.6	1-1/4	150 lb/sq.in.; B.S.3293	42.2
98.4	4.0	15.9	49.5	slip-on	73.0	127.0	65.1	22.2	1-1/2	150 lb/sq.in.; B.S.3293	48.3
120.6	4.0	19.0	62.0	slip-on	92.1	152.4	77.8	25.4	2	150 lb/sq.in.; B.S.3293	60.3

Slip-on flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt count	Bolt hole l mm	Bore j mm	Construction	Face g mm	Flange od mm	Hub m mm	Length h mm	Nominal pipe size inch	pattern	pipe od mm
139.7	4.0	19.0	74.7	slip-on	104.8	177.8	90.5	28.6	2-1/2	150 lb/sq.in.; B.S.3293	73.0
152.4	4.0	19.0	90.7	slip-on	127.0	190.5	107.9	30.2	3	150 lb/sq.in.; B.S.3293	88.9
177.8	8.0	19.0	103.4	slip-on	139.7	215.9	122.2	31.7	3-1/2	150 lb/sq.in.; B.S.3293	101.6
190.5	8.0	19.0	116.1	slip-on	157.2	228.6	134.9	33.3	4	150 lb/sq.in.; B.S.3293	114.3
215.9	8.0	22.2	143.8	slip-on	185.7	254.0	163.5	36.5	5	150 lb/sq.in.; B.S.3293	141.3
241.3	8.0	22.2	170.7	slip-on	215.9	279.4	192.1	39.7	6	150 lb/sq.in.; B.S.3293	168.3
298.4	8.0	22.2	221.5	slip-on	269.9	342.9	246.1	44.4	8	150 lb/sq.in.; B.S.3293	219.1
361.9	12.0	25.4	276.3	slip-on	323.8	406.4	304.8	49.2	10	150 lb/sq.in.; B.S.3293	273.0
431.8	12.0	25.4	327.1	slip-on	381.0	482.6	365.1	55.6	12	150 lb/sq.in.; B.S.3293	323.8
476.2	12.0	28.6	359.1	slip-on	412.9	533.4	400.0	57.1	14	150 lb/sq.in.; B.S.3293	355.6
539.7	16.0	28.6	410.5	slip-on	469.9	596.9	457.2	63.5	16	150 lb/sq.in.; B.S.3293	406.4
577.8	16.0	31.7	461.8	slip-on	533.4	635.0	504.8	68.3	18	150 lb/sq.in.; B.S.3293	457.2
635.0	20.0	31.7	513.1	slip-on	584.2	698.5	558.8	73.0	20	150 lb/sq.in.; B.S.3293	508.0
749.3	20.0	34.9	615.9	slip-on	692.1	812.8	663.6	82.5	24	150 lb/sq.in.; B.S.3293	609.6
806.4	24.0	34.9	Confirm	slip-on	742.9	869.9	723.9	85.7	26	150 lb/sq.in.; B.S.3293	660.4
863.6	28.0	34.9	717.6	slip-on	793.7	927.1	781.0	87.3	28	150 lb/sq.in.; B.S.3293	711.2
914.4	28.0	34.9	768.3	slip-on	857.2	984.2	831.8	88.9	30	150 lb/sq.in.; B.S.3293	762.0
977.9	28.0	41.3	819.1	slip-on	908.0	1060.4	889.0	92.1	32	150 lb/sq.in.; B.S.3293	812.8
1028.7	32.0	41.3	869.9	slip-on	958.8	1111.2	939.8	93.7	34	150 lb/sq.in.; B.S.3293	863.6
1085.8	32.0	41.3	920.7	slip-on	1022.3	1168.4	996.9	95.2	36	150 lb/sq.in.; B.S.3293	914.4
1149.3	32.0	41.3	971.5	slip-on	1073.1	1238.2	1060.4	95.2	38	150 lb/sq.in.; B.S.3293	965.2

Slip-on flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt count	Bolt hole l mm	Bore j mm	Construction	Face g mm	Flange od mm	Hub m mm	Length h mm	Nominal pipe size inch	pattern	pipe od mm
1200.5	36.0	41.3	1022.3	slip-on	1123.9	1289.0	1111.2	98.4	40	150 lb/sq.in.; B.S.3293	1016.0
1257.3	36.0	41.3	1073.1	slip-on	1193.8	1346.2	1168.4	101.6	42	150 lb/sq.in.; B.S.3293	1066.8
1314.4	40.0	41.3	1123.9	slip-on	1244.6	1403.36	1219.2	101.6	44	150 lb/sq.in.; B.S.3293	1117.6
1365.2	40.0	41.3	1174.7	slip-on	1295.4	1454.1	1270.0	103.2	46	150 lb/sq.in.; B.S.3293	1168.4
1422.4	44.0	41.3	1225.5	slip-on	1358.9	1511.1	1327.1	104.8	48	150 lb/sq.in.; B.S.3293	1219.2
66.7	4.0	15.9	22.3	slip-on	34.9	95.2	38.1	22.2	1/2	300 lb/sq.in.; B.S.3293	21.3
82.5	4.0	19.0	27.7	slip-on	42.9	117.5	47.6	25.4	3/4	300 lb/sq.in.; B.S.3293	26.7
88.9	4.0	19.0	34.5	slip-on	50.8	123.8	54.0	27.0	1	300 lb/sq.in.; B.S.3293	33.4
98.4	4.0	19.0	43.2	slip-on	63.5	133.3	63.5	27.0	1-1/4	300 lb/sq.in.; B.S.3293	42.2
114.3	4.0	22.2	49.5	slip-on	73.0	155.6	69.8	30.2	1-1/2	300 lb/sq.in.; B.S.3293	48.3
127.0	8.0	19.0	62.0	slip-on	92.1	165.1	84.1	Confirm	2	300 lb/sq.in.; B.S.3293	60.3
149.2	8.0	22.2	74.7	slip-on	104.8	190.5	100.0	38.1	2-1/2	300 lb/sq.in.; B.S.3293	73.0
168.3	8.0	22.2	90.7	slip-on	127.0	209.5	117.5	42.9	3	300 lb/sq.in.; B.S.3293	88.9
184.1	8.0	22.2	103.4	slip-on	139.7	228.6	133.3	44.4	3-1/2	300 lb/sq.in.; B.S.3293	101.6
200.0	8.0	22.2	116.1	slip-on	157.2	254.0	146.0	47.6	4	300 lb/sq.in.; B.S.3293	114.3
234.9	8.0	22.2	143.8	slip-on	185.7	279.4	177.8	50.8	5	300 lb/sq.in.; B.S.3293	141.3
269.9	12.0	22.2	170.7	slip-on	215.9	317.5	206.4	52.4	6	300 lb/sq.in.; B.S.3293	168.3
330.2	12.0	25.4	221.5	slip-on	269.9	381.0	260.3	61.9	8	300 lb/sq.in.; B.S.3293	219.1
387.3	16.0	28.6	276.3	slip-on	323.8	444.5	320.7	66.7	10	300 lb/sq.in.; B.S.3293	273.0
450.8	16.0	31.7	327.1	slip-on	381.0	520.7	374.6	73.0	12	300 lb/sq.in.; B.S.3293	323.8
514.3	20.0	31.7	359.1	slip-on	412.7	584.2	425.4	76.2	14	300 lb/sq.in.; B.S.3293	355.6

Slip-on flange construction dimensions / column group 1 of 2

Bolt circle k mm	Bolt count	Bolt hole l mm	Bore j mm	Construction	Face g mm	Flange od mm	Hub m mm	Length h mm	Nominal pipe size inch	pattern	pipe od mm
571.5	20.0	34.9	410.5	slip-on	469.9	647.7	482.6	82.5	16	300 lb/sq.in.; B.S.3293	406.4
628.6	24.0	34.9	461.8	slip-on	533.4	711.2	533.4	88.9	18	300 lb/sq.in.; B.S.3293	457.2
685.8	24.0	34.9	513.1	slip-on	584.2	774.7	587.4	95.2	20	300 lb/sq.in.; B.S.3293	508.0
812.8	24.0	41.3	615.9	slip-on	692.1	914.4	701.7	106.4	24	300 lb/sq.in.; B.S.3293	609.6
876.3	28.0	44.4	666.7	slip-on	749.3	971.5	720.7	184.1	26	300 lb/sq.in.; B.S.3293	660.4
939.8	28.0	44.4	717.6	slip-on	800.1	1035.0	774.7	196.8	28	300 lb/sq.in.; B.S.3293	711.2
996.9	28.0	47.6	768.3	slip-on	857.2	1092.2	827.1	209.5	30	300 lb/sq.in.; B.S.3293	762.0
1054.1	28.0	50.8	819.1	slip-on	914.4	1149.3	881.1	222.2	32	300 lb/sq.in.; B.S.3293	812.8
1104.9	28.0	50.8	869.9	slip-on	965.2	1206.5	936.6	231.8	34	300 lb/sq.in.; B.S.3293	863.6
1168.4	28.0	54.0	920.7	slip-on	1022.3	1270.0	990.6	241.3	36	300 lb/sq.in.; B.S.3293	914.4

Identifying columns are repeated. Read all column groups together for the complete row specification.

Slip-on flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt count	Thickness b mm
60.3	4.0	11.1
69.8	4.0	12.7
79.4	4.0	14.3
88.9	4.0	15.9
98.4	4.0	17.5
120.6	4.0	19.0
139.7	4.0	22.2
152.4	4.0	23.8

Slip-on flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt count	Thickness b mm
177.8	8.0	23.8
190.5	8.0	23.8
215.9	8.0	23.8
241.3	8.0	25.4
298.4	8.0	28.6
361.9	12.0	30.2
431.8	12.0	31.7
476.2	12.0	34.9
539.7	16.0	36.5
577.8	16.0	39.7
635.0	20.0	42.9
749.3	20.0	47.6
806.4	24.0	50.8
863.6	28.0	52.4
914.4	28.0	54.0
977.9	28.0	57.1
1028.7	32.0	58.7
1085.8	32.0	60.3
1149.3	32.0	60.3
1200.5	36.0	63.5
1257.3	36.0	66.7

Slip-on flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt count	Thickness b mm
1314.4	40.0	66.7
1365.2	40.0	68.3
1422.4	44.0	69.8
66.7	4.0	14.3
82.5	4.0	15.9
88.9	4.0	17.5
98.4	4.0	19.0
114.3	4.0	20.6
127.0	8.0	22.2
149.2	8.0	25.4
168.3	8.0	28.6
184.1	8.0	30.2
200.0	8.0	31.7
234.9	8.0	34.9
269.9	12.0	36.5
330.2	12.0	41.3
387.3	16.0	47.6
450.8	16.0	50.8
514.3	20.0	54.0
571.5	20.0	57.1
628.6	24.0	60.3

Slip-on flange construction dimensions / column group 2 of 2

Bolt circle k mm	Bolt count	Thickness b mm
685.8	24.0	63.5
812.8	24.0	69.8
876.3	28.0	79.4
939.8	28.0	85.7
996.9	28.0	92.1
1054.1	28.0	98.4
1104.9	28.0	101.6
1168.4	28.0	104.8

Identifying columns are repeated. Read all column groups together for the complete row specification.

Slip-on flange construction dimensions for the printed 150/300 pattern references. The B.S.3293 pattern labels do not establish current certification or allowable pressure. Specify material grade, face and design conditions. Ambiguous weights and inconsistent dimensions are omitted; confirm the final drawing before fabrication or supply.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

031 / Blind stainless steel flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

032 / Threaded stainless steel flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

033 / Socket-weld stainless steel flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

034 / Lap-joint stainless steel flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

035 / EN 1092-1 Stainless Steel Flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

[EN1092-1 flange dimensions / column group 1 of 2](#)

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
15	PN 6	80	12	40	2	4	11

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
15	PN 10	95	14	45	2	4	14
15	PN 16	95	14	45	2	4	14
15	PN 25	95	14	45	2	4	14
15	PN 40	95	14	45	2	4	14
20	PN 6	90	14	50	2	4	11
20	PN 10	105	16	58	2	4	14
20	PN 16	105	16	58	2	4	14
20	PN 25	105	16	58	2	4	14
20	PN 40	105	16	58	2	4	14
25	PN 6	100	14	60	2	4	11
25	PN 10	115	16	68	2	4	14
25	PN 16	115	16	68	2	4	14
25	PN 25	115	16	68	2	4	14
25	PN 40	115	16	68	2	4	14
32	PN 6	120	16	70	2	4	14
32	PN 10	140	18	78	2	4	18
32	PN 16	140	18	78	2	4	18
32	PN 25	140	18	78	2	4	18
32	PN 40	140	18	78	2	4	18
40	PN 6	130	16	80	3	4	14
40	PN 10	150	18	88	3	4	18

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
40	PN 16	150	18	88	3	4	18
40	PN 25	150	18	88	3	4	18
40	PN 40	150	18	88	3	4	18
50	PN 6	140	16	90	3	4	14
50	PN 10	165	20	102	3	4	18
50	PN 16	165	20	102	3	4	18
50	PN 25	165	20	102	3	4	18
50	PN 40	165	20	102	3	4	18
65	PN 6	160	16	110	3	4	14
65	PN 10	185	20	122	3	4	18
65	PN 16	185	20	122	3	8	18
65	PN 25	185	22	122	3	8	18
65	PN 40	185	22	122	3	8	18
80	PN 6	190	18	128	3	4	18
80	PN 10	200	20	138	3	8	18
80	PN 16	200	20	138	3	8	18
80	PN 25	200	24	138	3	8	18
80	PN 40	200	24	138	3	8	18
100	PN 6	210	18	148	3	4	18
100	PN 10	220	22	158	3	8	18
100	PN 16	220	22	158	3	8	18

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
100	PN 25	235	26	162	3	8	22
100	PN 40	235	26	162	3	8	22
125	PN 6	240	20	178	3	8	18
125	PN 10	250	22	188	3	8	18
125	PN 16	250	22	188	3	8	18
125	PN 25	270	28	188	3	8	26
125	PN 40	270	28	188	3	8	26
150	PN 6	265	20	202	3	8	18
150	PN 10	285	24	212	3	8	22
150	PN 16	285	24	212	3	8	22
150	PN 25	300	30	218	3	8	26
150	PN 40	300	30	218	3	8	26
200	PN 6	320	22	258	3	8	18
200	PN 10	340	24	268	3	8	22
200	PN 16	340	26	268	3	12	22
200	PN 25	360	32	278	3	12	26
200	PN 40	375	36	285	3	12	30
250	PN 6	375	24	312	3	12	18
250	PN 10	395	26	320	3	12	22
250	PN 16	405	29	320	3	12	26
250	PN 25	425	35	335	3	12	30

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
250	PN 40	450	42	345	3	12	33
300	PN 6	440	24	365	4	12	22
300	PN 10	445	26	370	4	12	22
300	PN 16	460	32	378	4	12	26
300	PN 25	485	38	395	4	16	30
300	PN 40	515	52	410	4	16	33
350	PN 6	490	26	415	4	12	22
350	PN 10	505	30	430	4	16	22
350	PN 16	520	35	438	4	16	26
350	PN 25	555	42	450	4	16	33
350	PN 40	580	58	465	4	16	36
400	PN 6	540	28	465	4	16	22
400	PN 10	565	32	482	4	16	26
400	PN 16	580	38	490	4	16	30
400	PN 25	620	48	505	4	16	36
400	PN 40	660	65	535	4	16	39
450	PN 6	595	30	520	4	16	22
450	PN 10	615	36	532	4	20	26
450	PN 16	640	42	550	4	20	30
450	PN 25	670	54	555	4	20	36
450	PN 40	685	68	560	4	20	39

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
500	PN 6	645	30	570	4	20	22
500	PN 10	670	38	585	4	20	26
500	PN 16	715	46	610	4	20	33
500	PN 25	730	58	615	4	20	36
500	PN 40	755	72	615	4	20	42
600	PN 6	755	32	670	5	20	26
600	PN 10	780	42	685	5	20	30
600	PN 16	840	55	725	5	20	36
600	PN 25	845	68	720	5	20	39
600	PN 40	890	90	735	5	20	48
700	PN 6	860	40	775	5	24	26
700	PN 10	895	50	800	5	24	30
700	PN 16	910	63	795	5	24	36
700	PN 25	960	85	820	5	24	42
700	PN 40	995	96	840	5	24	48
800	PN 6	975	44	880	5	24	30
800	PN 10	1015	56	905	5	24	33
800	PN 16	1025	74	900	5	24	39
800	PN 25	1085	95	930	5	24	48
800	PN 40	1140	108	960	5	24	56
900	PN 6	1075	48	980	5	24	30

EN1092-1 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
900	PN 10	1115	62	1005	5	28	33
900	PN 16	1125	82	1000	5	28	39
900	PN 25	1185	90	1030	5	28	48
900	PN 40	1250	120	1070	5	28	56
1000	PN 6	1175	52	1080	5	28	30
1000	PN 10	1230	70	1110	5	28	36
1000	PN 16	1255	90	1115	5	28	42
1000	PN 25	1320	98	1140	5	28	56
1000	PN 40	1360	132	1080	5	28	56
1200	PN 6	1405	60	1295	5	32	33
1200	PN 10	1455	83	1330	5	32	39
1200	PN 16	1485	94	1390	5	32	48
1200	PN 25	1530	116	1350	5	32	56
1200	PN 40	1575	154	1380	5	32	62

Identifying columns are repeated. Read all column groups together for the complete row specification.

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
15	PN 6	M10	55	0.4	EN1092-1
15	PN 10	M12	65	0.67	EN1092-1
15	PN 16	M12	65	0.67	EN1092-1
15	PN 25	M12	65	0.67	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
15	PN 40	M12	65	0.67	EN1092-1
20	PN 6	M10	65	0.58	EN1092-1
20	PN 10	M12	75	0.93	EN1092-1
20	PN 16	M12	75	0.93	EN1092-1
20	PN 25	M12	75	0.93	EN1092-1
20	PN 40	M12	75	0.93	EN1092-1
25	PN 6	M10	75	0.69	EN1092-1
25	PN 10	M12	85	1.11	EN1092-1
25	PN 16	M12	85	1.11	EN1092-1
25	PN 25	M12	85	1.11	EN1092-1
25	PN 40	M12	85	1.11	EN1092-1
32	PN 6	M10	90	1.14	EN1092-1
32	PN 10	M12	100	1.8	EN1092-1
32	PN 16	M12	100	1.8	EN1092-1
32	PN 25	M12	100	1.8	EN1092-1
32	PN 40	M12	100	1.8	EN1092-1
40	PN 6	M12	100	1.34	EN1092-1
40	PN 10	M16	110	2.1	EN1092-1
40	PN 16	M16	110	2.1	EN1092-1
40	PN 25	M16	110	2.1	EN1092-1
40	PN 40	M16	110	2.1	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
50	PN 6	M12	110	1.48	EN1092-1
50	PN 10	M16	125	2.72	EN1092-1
50	PN 16	M16	125	2.72	EN1092-1
50	PN 25	M16	125	2.72	EN1092-1
50	PN 40	M16	125	2.72	EN1092-1
65	PN 6	M12	130	1.85	EN1092-1
65	PN 10	M16	145	3.64	EN1092-1
65	PN 16	M16	145	3.64	EN1092-1
65	PN 25	M16	145	3.64	EN1092-1
65	PN 40	M16	145	3.64	EN1092-1
80	PN 6	M16	150	2.95	EN1092-1
80	PN 10	M16	160	3.61	EN1092-1
80	PN 16	M16	160	3.61	EN1092-1
80	PN 25	M16	160	4.33	EN1092-1
80	PN 40	M16	160	4.33	EN1092-1
100	PN 6	M16	170	3.25	EN1092-1
100	PN 10	M16	180	4.8	EN1092-1
100	PN 16	M16	180	4.8	EN1092-1
100	PN 25	M20	190	6.04	EN1092-1
100	PN 40	M20	190	6.04	EN1092-1
125	PN 6	M16	200	4.33	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
125	PN 10	M16	210	5.42	EN1092-1
125	PN 16	M16	210	5.42	EN1092-1
125	PN 25	M24	220	8.21	EN1092-1
125	PN 40	M24	220	8.21	EN1092-1
150	PN 6	M16	225	4.86	EN1092-1
150	PN 10	M20	240	7.5	EN1092-1
150	PN 16	M20	240	7.5	EN1092-1
150	PN 25	M24	250	10.42	EN1092-1
150	PN 40	M24	250	10.42	EN1092-1
200	PN 6	M16	280	6.91	EN1092-1
200	PN 10	M20	295	9.3	EN1092-1
200	PN 16	M20	295	10.3	EN1092-1
200	PN 25	M24	310	14.4	EN1092-1
200	PN 40	M27	320	18.3	EN1092-1
250	PN 6	M16	335	9.03	EN1092-1
250	PN 10	M20	350	11.95	EN1092-1
250	PN 16	M24	355	14.79	EN1092-1
250	PN 25	M27	370	20.43	EN1092-1
250	PN 40	M30	384	29.44	EN1092-1
300	PN 6	M20	395	11.95	EN1092-1
300	PN 10	M20	400	13.66	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
300	PN 16	M24	410	19.2	EN1092-1
300	PN 25	M27	430	26.66	EN1092-1
300	PN 40	M30	450	45.56	EN1092-1
350	PN 6	M20	445	16.88	EN1092-1
350	PN 10	M20	460	23.48	EN1092-1
350	PN 16	M24	470	28.34	EN1092-1
350	PN 25	M30	490	41.84	EN1092-1
350	PN 40	M33	510	67.65	EN1092-1
400	PN 6	M20	495	19.97	EN1092-1
400	PN 10	M24	515	27.65	EN1092-1
400	PN 16	M27	525	36.4	EN1092-1
400	PN 25	M33	550	58.6	EN1092-1
400	PN 40	M36	585	98	EN1092-1
450	PN 6	M20	550	25.28	EN1092-1
450	PN 10	M24	565	34.16	EN1092-1
450	PN 16	M27	585	46.8	EN1092-1
450	PN 25	M33	600	70.8	EN1092-1
450	PN 40	M36	610	95.55	EN1092-1
500	PN 6	M20	600	27.03	EN1092-1
500	PN 10	M24	620	41.03	EN1092-1
500	PN 16	M30	650	65.3	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
500	PN 25	M33	660	88.2	EN1092-1
500	PN 40	M39	670	121.8	EN1092-1
600	PN 6	M24	705	35.87	EN1092-1
600	PN 10	M27	725	55.85	EN1092-1
600	PN 16	M33	770	104	EN1092-1
600	PN 25	M36	770	129.5	EN1092-1
600	PN 40	M45	795	207	EN1092-1
700	PN 6	M24	810	53.1	EN1092-1
700	PN 10	M27	840	84	EN1092-1
700	PN 16	M33	840	113	EN1092-1
700	PN 25	M39	875	195	EN1092-1
700	PN 40	M45	900	251.28	EN1092-1
800	PN 6	M27	920	72	EN1092-1
800	PN 10	M30	950	118	EN1092-1
800	PN 16	M36	950	161	EN1092-1
800	PN 25	M45	990	270	EN1092-1
800	PN 40	M52	1030	372.62	EN1092-1
900	PN 6	M27	1020	87.1	EN1092-1
900	PN 10	M30	1050	136.77	EN1092-1
900	PN 16	M36	1050	187.42	EN1092-1
900	PN 25	M45	1090	268.55	EN1092-1

EN1092-1 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
900	PN 40	M52	1140	469.85	EN1092-1
1000	PN 6	M27	1120	102	EN1092-1
1000	PN 10	M33	1160	190	EN1092-1
1000	PN 16	M39	1170	271	EN1092-1
1000	PN 25	M52	1210	376.2	EN1092-1
1000	PN 40	M52	1250	593.72	EN1092-1
1200	PN 6	M30	1340	164	EN1092-1
1200	PN 10	M36	1380	294	EN1092-1
1200	PN 16	M45	1390	368.13	EN1092-1
1200	PN 25	M52	1420	531.21	EN1092-1
1200	PN 40	M56	1460	817.61	EN1092-1

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flange drilling and dimensional references for the selected standard, nominal bore and class. Specify the flange construction, face, material grade and design temperature. A PN, class or table designation alone does not establish an allowable working pressure for every material and temperature. Blank dimensions are not confirmed available configurations.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

036 / SANS 1123 flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
15	600/3	80	10	40	2	4	11
15	1000/3	95	10	45	2	4	14
15	1600/3	95	10	45	2	4	14
15	2500/3	95	14	45	2	4	14
15	4000/3	95	14	45	2	4	14
20	600/3	90	10	50	2	4	11
20	1000/3	105	10	58	2	4	14
20	1600/3	105	10	58	2	4	14
20	2500/3	105	14	58	2	4	14
20	4000/3	105	14	58	2	4	14
25	600/3	100	10	60	2	4	11
25	1000/3	115	10	68	2	4	14
25	1600/3	115	10	68	2	4	14
25	2500/3	115	16	68	2	4	14
25	4000/3	115	16	68	2	4	14
32	600/3	120	10	70	2	4	14
32	1000/3	140	10	78	2	4	18
32	1600/3	140	10	78	2	4	18
32	2500/3	140	18	78	2	4	18
32	4000/3	140	18	78	2	4	18
40	600/3	130	10	80	3	4	14

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
40	1000/3	150	10	88	3	4	18
40	1600/3	150	10	88	3	4	18
40	2500/3	150	20	88	3	4	18
40	4000/3	150	20	88	3	4	18
50	600/3	140	10	90	3	4	14
50	1000/3	165	10	102	3	4	18
50	1600/3	165	12	102	3	4	18
50	2500/3	165	20	102	3	4	18
50	4000/3	165	20	102	3	4	18
65	600/3	160	10	110	3	4	14
65	1000/3	185	12	122	3	4	18
65	1600/3	185	12	122	3	4	18
65	2500/3	185	22	122	3	8	18
65	4000/3	185	22	122	3	8	18
80	600/3	190	10	128	3	4	18
80	1000/3	200	12	138	3	8	18
80	1600/3	200	14	138	3	8	18
80	2500/3	200	22	138	3	8	18
80	4000/3	200	22	138	3	8	18
100	600/3	210	10	148	3	4	18
100	1000/3	220	12	158	3	8	18

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
100	1600/3	220	14	158	3	8	18
100	2500/3	235	25	162	3	8	22
100	4000/3	235	25	162	3	8	22
125	600/3	240	12	178	3	8	18
125	1000/3	250	14	188	3	8	18
125	1600/3	250	16	188	3	8	18
125	2500/3	270	28	188	3	8	26
125	4000/3	270	28	188	3	8	26
150	600/3	265	12	202	3	8	18
150	1000/3	285	16	212	3	8	22
150	1600/3	285	18	212	3	8	22
150	2500/3	300	30	218	3	8	26
150	4000/3	300	30	218	3	8	26
200	600/3	320	14	258	3	8	18
200	1000/3	340	18	268	3	8	22
200	1600/3	340	22	268	3	12	22
200	2500/3	360	28	278	3	12	26
200	4000/3	375	32	285	3	12	26
250	600/3	375	16	312	3	12	18
250	1000/3	395	20	320	3	12	22
250	1600/3	405	25	320	3	12	26

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
250	2500/3	425	30	335	3	12	26
250	4000/3	450	38	345	3	12	33
300	600/3	440	20	365	4	12	22
300	1000/3	445	22	370	4	12	22
300	1600/3	460	28	378	4	12	26
300	2500/3	485	32	395	4	16	26
300	4000/3	515	40	410	4	16	33
350	600/3	490	22	415	4	12	22
350	1000/3	505	25	430	4	16	22
350	1600/3	520	30	438	4	16	26
350	2500/3	555	35	450	4	16	33
350	4000/3	580	45	465	4	16	33
400	600/3	540	22	465	4	16	22
400	1000/3	565	25	482	4	16	26
400	1600/3	580	35	490	4	16	26
400	2500/3	620	40	505	4	16	33
400	4000/3	660	50	535	4	16	39
450	600/3	595	25	520	4	16	22
450	1000/3	615	30	532	4	20	26
450	1600/3	640	40	550	4	20	26
450	2500/3	670	45	555	4	20	33

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
450	4000/3	685	60	560	4	20	39
500	600/3	645	25	570	4	20	22
500	1000/3	670	32	585	4	20	26
500	1600/3	715	40	610	4	20	33
500	2500/3	730	50	615	4	20	33
500	4000/3	755	70	615	4	20	39
600	600/3	755	30	670	5	20	26
600	1000/3	780	38	685	5	20	26
600	1600/3	840	50	725	5	20	33
600	2500/3	845	60	720	5	20	39
600	4000/3	890	84	735	5	20	48
700	600/3	860	35	775	5	24	26
700	1000/3	895	45	800	5	24	26
700	1600/3	910	55	795	5	24	33
700	2500/3	960	74	820	5	24	42
700	4000/3	995	96	840	5	24	48
800	600/3	975	38	880	5	24	26
800	1000/3	1015	50	905	5	24	33
800	1600/3	1025	65	900	5	24	39
800	2500/3	1085	82	928	5	24	48
800	4000/3	1140	108	960	5	24	56

SANS1123 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
900	600/3	1075	40	980	5	24	26
1000	600/3	1175	45	1080	5	28	26
1000	1000/3	1230	60	1110	5	28	33
1000	1600/3	1255	75	1115	5	28	39
1000	2500/3	1320	98	1140	5	28	56
1000	4000/3	1360	132	1180	5	28	56
1200	600/3	1405	55	1295	5	32	33
1200	1000/3	1455	70	1328	5	32	39
1200	1600/3	1485	85	1238	5	32	45
1200	2500/3	1530	116	1350	5	32	56
1200	4000/3	1575	154	1380	5	32	62

Identifying columns are repeated. Read all column groups together for the complete row specification.

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
15	600/3	M10	55	0.33	SANS1123
15	1000/3	M12	65	0.48	SANS1123
15	1600/3	M12	65	0.48	SANS1123
15	2500/3	M12	65	0.76	SANS1123
15	4000/3	M12	65	0.76	SANS1123
20	600/3	M10	65	0.42	SANS1123
20	1000/3	M12	75	0.58	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
20	1600/3	M12	75	0.58	SANS1123
20	2500/3	M12	75	1.04	SANS1123
20	4000/3	M12	75	1.04	SANS1123
25	600/3	M10	75	0.49	SANS1123
25	1000/3	M12	85	0.69	SANS1123
25	1600/3	M12	85	0.69	SANS1123
25	2500/3	M12	85	1.24	SANS1123
25	4000/3	M12	85	1.24	SANS1123
32	600/3	M10	90	0.71	SANS1123
32	1000/3	M12	100	1.01	SANS1123
32	1600/3	M12	100	1.01	SANS1123
32	2500/3	M12	100	1.8	SANS1123
32	4000/3	M12	100	1.8	SANS1123
40	600/3	M12	100	0.84	SANS1123
40	1000/3	M16	110	1.15	SANS1123
40	1600/3	M16	110	1.15	SANS1123
40	2500/3	M16	110	2.3	SANS1123
40	4000/3	M16	110	2.3	SANS1123
50	600/3	M12	110	0.92	SANS1123
50	1000/3	M16	125	1.36	SANS1123
50	1600/3	M16	125	1.63	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
50	2500/3	M16	125	2.72	SANS1123
50	4000/3	M16	125	2.72	SANS1123
65	600/3	M12	130	1.15	SANS1123
65	1000/3	M16	145	1.98	SANS1123
65	1600/3	M16	145	1.98	SANS1123
65	2500/3	M16	145	3.64	SANS1123
65	4000/3	M16	145	3.64	SANS1123
80	600/3	M16	150	1.64	SANS1123
80	1000/3	M16	160	2.17	SANS1123
80	1600/3	M16	160	2.64	SANS1123
80	2500/3	M16	160	3.95	SANS1123
80	4000/3	M16	160	3.95	SANS1123
100	600/3	M16	170	1.81	SANS1123
100	1000/3	M16	180	2.39	SANS1123
100	1600/3	M16	180	2.9	SANS1123
100	2500/3	M20	190	6.04	SANS1123
100	4000/3	M20	190	6.04	SANS1123
125	600/3	M16	200	2.6	SANS1123
125	1000/3	M16	210	3.45	SANS1123
125	1600/3	M16	210	4.07	SANS1123
125	2500/3	M24	220	8.21	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
125	4000/3	M24	220	8.21	SANS1123
150	600/3	M16	225	2.91	SANS1123
150	1000/3	M20	240	4.81	SANS1123
150	1600/3	M20	240	5.41	SANS1123
150	2500/3	M24	250	10.42	SANS1123
150	4000/3	M24	250	10.42	SANS1123
200	600/3	M16	280	4.4	SANS1123
200	1000/3	M20	295	6.97	SANS1123
200	1600/3	M20	295	7.51	SANS1123
200	2500/3	M24	310	12.59	SANS1123
200	4000/3	M24	320	16.96	SANS1123
250	600/3	M16	335	6.02	SANS1123
250	1000/3	M20	350	9.14	SANS1123
250	1600/3	M24	355	12.36	SANS1123
250	2500/3	M24	370	17.9	SANS1123
250	4000/3	M30	385	29.44	SANS1123
300	600/3	M20	395	9.96	SANS1123
300	1000/3	M20	400	11.65	SANS1123
300	1600/3	M24	410	16.65	SANS1123
300	2500/3	M24	430	23.16	SANS1123
300	4000/3	M30	450	43.39	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
350	600/3	M20	445	14.29	SANS1123
350	1000/3	M20	460	18.23	SANS1123
350	1600/3	M24	470	24.15	SANS1123
350	2500/3	M30	490	34.87	SANS1123
350	4000/3	M30	510	56.5	SANS1123
400	600/3	M20	495	15.69	SANS1123
400	1000/3	M24	515	21.88	SANS1123
400	1600/3	M24	525	34.13	SANS1123
400	2500/3	M30	550	49	SANS1123
400	4000/3	M36	585	74.58	SANS1123
450	600/3	M20	550	21.07	SANS1123
450	1000/3	M24	565	28.29	SANS1123
450	1600/3	M24	585	45.68	SANS1123
450	2500/3	M30	600	60	SANS1123
450	4000/3	M36	610	85	SANS1123
500	600/3	M20	600	22.52	SANS1123
500	1000/3	M24	620	34.65	SANS1123
500	1600/3	M30	650	56.51	SANS1123
500	2500/3	M30	660	77.31	SANS1123
500	4000/3	M36	670	121.5	SANS1123
600	600/3	M24	705	33.63	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
600	1000/3	M24	725	51.58	SANS1123
600	1600/3	M30	770	95.26	SANS1123
600	2500/3	M36	770	114.86	SANS1123
600	4000/3	M45	795	192.21	SANS1123
700	600/3	M24	810	46.05	SANS1123
700	1000/3	M24	840	76.23	SANS1123
700	1600/3	M30	840	98.5	SANS1123
700	2500/3	M39	875	164.4	SANS1123
700	4000/3	M45	900	253.87	SANS1123
800	600/3	M24	920	63.24	SANS1123
800	1000/3	M30	950	104.68	SANS1123
800	1600/3	M36	950	140.1	SANS1123
800	2500/3	M45	990	224.07	SANS1123
800	4000/3	M52	1030	375.34	SANS1123
900	600/3	M24	1020	74	SANS1123
1000	600/3	M24	1020	89.63	SANS1123
1000	1000/3	M30	1160	164.87	SANS1123
1000	1600/3	M36	1170	228.26	SANS1123
1000	2500/3	M52	1210	357.89	SANS1123
1000	4000/3	M52	1250	569.3	SANS1123
1200	600/3	M30	1340	150.24	SANS1123

SANS1123 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
1200	1000/3	M36	1380	246.91	SANS1123
1200	1600/3	M42	1390	337.56	SANS1123
1200	2500/3	M52	1420	357.89	SANS1123
1200	4000/3	M56	1450	813.69	SANS1123

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flange drilling and dimensional references for the selected standard, nominal bore and class. Specify the flange construction, face, material grade and design temperature. A PN, class or table designation alone does not establish an allowable working pressure for every material and temperature. Blank dimensions are not confirmed available configurations.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

037 / BS 10 flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

BS10 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Bolt holes	Hole diameter d1 (mm)	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)
15	T/D	95.3	4.8	4	14.3	M12	66.7	0.42
15	T/E	95.3	6.3	4	14.3	M12	66.7	0.42
20	T/D	101.6	9.5	4	14.2	M12	73	0.53
20	T/E	101.6	9.5	4	14.2	M12	73	0.53
25	T/D	114.3	4.8	4	14.3	M12	82.6	0.7
25	T/E	114.3	7.1	4	14.3	M12	82.6	0.7
32	T/D	120.7	6.3	4	14.2	M12	87.3	0.8

BS10 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Bolt holes	Hole diameter d1 (mm)	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)
32	T/E	120.7	7.9	4	14.2	M12	87.3	0.8
40	T/D	133.4	6.3	4	14.2	M12	98.4	1
40	T/E	133.4	8.7	4	18	M12	98.4	1
50	T/D	152.4	7.9	4	17.5	M16	114.3	0.88
50	T/E	152.4	9.5	4	17.5	M16	114.3	1.06
65	T/D	165.1	7.9	4	17.5	M16	127	1.3
65	T/E	165.1	10.3	4	17.5	M16	127	1.6
80	T/D	184.1	9.5	4	17.5	M16	146	1.43
80	T/E	184.1	11.1	4	17.5	M16	146	1.8
100	T/D	215.9	9.5	4	17.5	M16	177.8	2
100	T/E	215.9	13.7	8	17.5	M16	177.8	2
125	T/D	254	12.7	8	17.5	M16	209.6	3.48
125	T/E	254	14.3	8	17.5	M20	209.6	3.48
150	T/D	279.4	12.7	8	17.5	M16	235	3.88
150	T/E	279.4	17.5	8	22.2	M20	235	5.36
200	T/D	336.6	12.7	8	17.5	M16	292.1	4.91
200	T/E	336.6	19	8	22.2	M20	292.1	7.59
250	T/D	406.4	15.9	8	22.2	M20	355.6	8.7
250	T/E	406.4	22.2	12	22.2	M20	355.6	12.05
300	T/D	457.2	19	12	22.2	M20	406.4	12.05
300	T/E	457.2	25.4	12	25.4	M24	406.4	16.07

BS10 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Bolt holes	Hole diameter d1 (mm)	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)
350	T/D	527.1	22.2	12	25.4	M20	469.9	19.58
350	T/E	527.1	28.6	12	25.4	M24	469.9	25.89
400	T/D	577.9	22.2	12	25.4	M20	520.7	22.32
400	T/E	577.9	31.8	12	25.4	M24	520.7	32.59
450	T/D	641.4	25.4	12	25.4	M20	584.2	30.8
450	T/E	641.4	34.9	16	25.4	M20	584.2	42.86
500	T/D	704	28.6	16	25.4	M20	641.4	41.07
500	T/E	704.9	38.1	16	25.4	M20	641.1	55.8
600	T/D	825.5	31.8	16	28.6	M24	755.7	60.27
600	T/E	825.5	47.6	16	31.8	M30	755.7	89.29
700	T/D	908.1	34.9	20	28.6	M24	844.6	64.17
700	T/E	908.1	50.8	20	31.8	M30	844.6	92.19
900	T/D	1174.7	47.6	24	35	M30	1092.2	156.25
900	T/E	1174.7	63.5	24	35	M30	1092.2	203.13
1000	T/D	1257.3	50.8	24	35	M30	1174.7	167
1000	T/E	1257.3	60.7	24	38.1	M36	1174.7	214
1200	T/D	1492.2	60.3	32	35	M30	1409.7	258.94
1200	T/E	1492.2	79.4	32	38.1	M36	1409.7	334.78

Identifying columns are repeated. Read all column groups together for the complete row specification.

BS10 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Standard reference
15	T/D	BS10
15	T/E	BS10
20	T/D	BS10
20	T/E	BS10
25	T/D	BS10
25	T/E	BS10
32	T/D	BS10
32	T/E	BS10
40	T/D	BS10
40	T/E	BS10
50	T/D	BS10
50	T/E	BS10
65	T/D	BS10
65	T/E	BS10
80	T/D	BS10
80	T/E	BS10
100	T/D	BS10
100	T/E	BS10
125	T/D	BS10
125	T/E	BS10
150	T/D	BS10

BS10 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Standard reference
150	T/E	BS10
200	T/D	BS10
200	T/E	BS10
250	T/D	BS10
250	T/E	BS10
300	T/D	BS10
300	T/E	BS10
350	T/D	BS10
350	T/E	BS10
400	T/D	BS10
400	T/E	BS10
450	T/D	BS10
450	T/E	BS10
500	T/D	BS10
500	T/E	BS10
600	T/D	BS10
600	T/E	BS10
700	T/D	BS10
700	T/E	BS10
900	T/D	BS10
900	T/E	BS10

BS10 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Standard reference
1000	T/D	BS10
1000	T/E	BS10
1200	T/D	BS10
1200	T/E	BS10

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flange drilling and dimensional references for the selected standard, nominal bore and class. Specify the flange construction, face, material grade and design temperature. A PN, class or table designation alone does not establish an allowable working pressure for every material and temperature. Blank dimensions are not confirmed available configurations.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

038 / ASME B16.5 flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

ASME B16.5 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
15	CL 150	88.9	11.1	34.9	1.6	4	15.9
15	CL 300	95.2	14.3	34.9	1.6	4	15.9
20	CL 150	98.4	12.7	42.9	1.6	4	16
20	CL 300	117.5	15.9	42.9	1.6	4	19
25	CL 150	107.9	14.3	50.8	1.6	4	16
25	CL 300	123.8	17.5	50.8	1.6	4	19
32	CL 150	117.5	15.9	73.9	1.6	4	15.9

ASME B16.5 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
32	CL 300	133.3	19	63.5	1.6	4	19
40	CL 150	127	17.5	73	1.6	4	16
40	CL 300	155.6	20.6	73	1.6	4	18
50	150lb	152.4	19	92	1.6	4	19
50	300lb	165.1	22.2	92.1	1.6	8	19
65	150lb	177.8	22.2	104.8	1.6	4	19
65	300lb	190.5	25.4	104.8	1.6	8	22
80	150lb	190.5	23.8	127	1.6	4	19
80	300lb	209.5	28.6	127	1.6	8	22
100	150lb	228.6	23.8	157.2	1.6	8	19
100	300lb	254	31.7	157.2	1.6	8	22
125	150lb	254	23.8	185.7	1.6	8	22
125	300lb	279.4	34.9	185.7	1.6	8	22
150	150lb	279.4	25.4	215.9	1.6	8	22.2
150	300lb	317.5	36.5	215.9	1.6	12	22.2
200	150lb	342.9	28.6	269.9	1.6	8	22.2
200	300lb	381	41.3	269.9	1.6	12	22.2
250	150lb	406.4	30.2	323.8	1.6	12	25.4
250	300lb	444.5	47.6	323.8	1.6	16	31.7
300	150lb	482.6	31.7	381	1.6	12	25.4
300	300lb	520.7	50.8	381	1.6	16	31.7

ASME B16.5 flange dimensions / column group 1 of 2

Nominal bore (mm)	Class / table designation	Flange outside diameter D (mm)	Flange thickness b (mm)	Raised-face diameter d2 (mm)	Raised-face height f (mm)	Bolt holes	Hole diameter d1 (mm)
350	150lb	533.4	34.9	412.8	1.6	12	28.6
350	300lb	584.2	54	412.8	1.6	20	31.7
400	150lb	596.9	36.5	470	1.6	16	28.6
400	300lb	647.7	57.1	470	1.6	20	34.9
450	150lb	635	39.7	533.4	1.6	16	31.7
450	300lb	711.2	60.3	533.4	1.6	24	34.9
500	150lb	698.5	42.9	584.2	1.6	20	31.7
500	300lb	774.7	63.5	584.2	1.6	24	34.9
600	150lb	812.8	47.6	692.1	1.6	20	34.9
600	300lb	914.4	69.8	692.1	1.6	24	38.1

Identifying columns are repeated. Read all column groups together for the complete row specification.

ASME B16.5 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
15	CL 150	M12	60.3	0.45	ASME B16.5
15	CL 300	M12	66.7	0.91	ASME B16.5
20	CL 150	M12	69.8	0.68	ASME B16.5
20	CL 300	M16	82.5	1.25	ASME B16.5
25	CL 150	M12	79.4	0.95	ASME B16.5
25	CL 300	M16	66.7	1.36	ASME B16.5
32	CL 150	M12	88.9	1.11	ASME B16.5
32	CL 300	M16	98.4	2.04	ASME B16.5

ASME B16.5 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
40	CL 150	M12	98.4	1.4	ASME B16.5
40	CL 300	M16	114.3	2.81	ASME B16.5
50	150lb	M16	120.6	2.3	ASME B16.5
50	300lb	M16	127	3.13	ASME B16.5
65	150lb	M16	139.7	3.82	ASME B16.5
65	300lb	M20	149.2	4.54	ASME B16.5
80	150lb	M16	152.4	4.08	ASME B16.5
80	300lb	M20	168.3	6.12	ASME B16.5
100	150lb	M16	190.5	5.94	ASME B16.5
100	300lb	M20	200	9.53	ASME B16.5
125	150lb	M20	215.9	6.25	ASME B16.5
125	300lb	M20	234.9	12.7	ASME B16.5
150	150lb	M20	241.3	8.16	ASME B16.5
150	300lb	M20	269.9	16.33	ASME B16.5
200	150lb	M20	298.4	12.7	ASME B16.5
200	300lb	M20	330.2	25.4	ASME B16.5
250	150lb	M24	361.9	17.24	ASME B16.5
250	300lb	M30	387.3	35.38	ASME B16.5
300	150lb	M20	431.8	27.22	ASME B16.5
300	300lb	M30	450.8	50.8	ASME B16.5
350	150lb	M24	476.2	35.71	ASME B16.5

ASME B16.5 flange dimensions / column group 2 of 2

Nominal bore (mm)	Class / table designation	Bolt size	Bolt circle PCD (mm)	Reference mass (kg)	Standard reference
350	300lb	M30	514	75	ASME B16.5
400	150lb	M24	539.7	45.09	ASME B16.5
400	300lb	M30	571.5	101.6	ASME B16.5
450	150lb	M30	577.8	52.62	ASME B16.5
450	300lb	M30	628.65	126.1	ASME B16.5
500	150lb	M30	635	65.32	ASME B16.5
500	300lb	M30	685.8	150	ASME B16.5
600	150lb	M30	749.3	91.63	ASME B16.5
600	300lb	M36	812.8	222.26	ASME B16.5

Identifying columns are repeated. Read all column groups together for the complete row specification.

Flange drilling and dimensional references for the selected standard, nominal bore and class. Specify the flange construction, face, material grade and design temperature. A PN, class or table designation alone does not establish an allowable working pressure for every material and temperature. Blank dimensions are not confirmed available configurations.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

039 / HDPE Backing Flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
66.7	4.0	M12	HDPE backing flange	95.0	30.0	BS10 Table D	20	5.0
73.0	4.0	M12	HDPE backing flange	101.0	38.0	BS10 Table D	25	5.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
82.6	4.0	M12	HDPE backing flange	114.0	45.0	BS10 Table D	32	5.0
87.3	4.0	M12	HDPE backing flange	120.0	52.0	BS10 Table D	40	6.0
98.4	4.0	M12	HDPE backing flange	133.0	63.0	BS10 Table D	50	6.0
114.3	4.0	M16	HDPE backing flange	152.0	74.0	BS10 Table D	63	8.0
127.0	4.0	M16	HDPE backing flange	165.0	86.0	BS10 Table D	75	8.0
146.0	4.0	M16	HDPE backing flange	184.0	103.0	BS10 Table D	90	10.0
177.8	4.0	M16	HDPE backing flange	215.0	135.0	BS10 Table D	110	10.0
177.8	4.0	M16	HDPE backing flange	215.0	135.0	BS10 Table D	125	10.0
209.6	8.0	M16	HDPE backing flange	254.0	158.0	BS10 Table D	140	13.0
235.0	8.0	M16	HDPE backing flange	279.0	188.0	BS10 Table D	160	13.0
235.0	8.0	M16	HDPE backing flange	279.0	188.0	BS10 Table D	180	13.0
292.0	8.0	M16	HDPE backing flange	336.0	236.0	BS10 Table D	200	13.0
292.0	8.0	M16	HDPE backing flange	336.0	236.0	BS10 Table D	225	13.0
355.6	8.0	M20	HDPE backing flange	406.0	279.0	BS10 Table D	250	16.0
355.6	8.0	M20	HDPE backing flange	406.0	292.0	BS10 Table D	280	16.0
406.4	12.0	M20	HDPE backing flange	457.0	330.0	BS10 Table D	315	19.0
469.9	12.0	M24	HDPE backing flange	527.0	367.0	BS10 Table D	355	22.0
520.7	12.0	M24	HDPE backing flange	577.0	430.0	BS10 Table D	400	22.0
584.2	12.0	M24	HDPE backing flange	641.0	476.0	BS10 Table D	450	25.0
641.4	16.0	M24	HDPE backing flange	704.0	533.0	BS10 Table D	500	28.0
755.7	16.0	M27	HDPE backing flange	825.0	592.0	BS10 Table D	560	31.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
755.7	16.0	M27	HDPE backing flange	825.0	662.0	BS10 Table D	630	31.0
66.7	4.0	M12	HDPE backing flange	95.0	Confirm	BS10 Table E	20	7.0
73.0	4.0	M12	HDPE backing flange	101.0	Confirm	BS10 Table E	25	7.0
82.6	4.0	M12	HDPE backing flange	114.0	Confirm	BS10 Table E	32	7.0
87.3	4.0	M12	HDPE backing flange	120.0	Confirm	BS10 Table E	40	8.0
98.4	4.0	M12	HDPE backing flange	133.0	Confirm	BS10 Table E	50	9.0
114.3	4.0	M16	HDPE backing flange	152.0	Confirm	BS10 Table E	63	10.0
127.0	4.0	M16	HDPE backing flange	165.0	Confirm	BS10 Table E	75	10.0
146.0	4.0	M16	HDPE backing flange	184.0	Confirm	BS10 Table E	90	12.0
177.8	8.0	M16	HDPE backing flange	215.0	Confirm	BS10 Table E	110	14.0
177.8	8.0	M16	HDPE backing flange	215.0	Confirm	BS10 Table E	125	14.0
209.6	8.0	M16	HDPE backing flange	254.0	Confirm	BS10 Table E	140	15.0
235.0	8.0	M20	HDPE backing flange	279.0	Confirm	BS10 Table E	160	18.0
235.0	8.0	M20	HDPE backing flange	279.0	Confirm	BS10 Table E	180	18.0
292.0	8.0	M20	HDPE backing flange	336.0	Confirm	BS10 Table E	200	19.0
292.0	8.0	M20	HDPE backing flange	336.0	Confirm	BS10 Table E	225	19.0
355.6	12.0	M20	HDPE backing flange	406.0	Confirm	BS10 Table E	250	22.0
355.6	12.0	M20	HDPE backing flange	406.0	Confirm	BS10 Table E	280	22.0
406.4	12.0	M24	HDPE backing flange	457.0	Confirm	BS10 Table E	315	25.0
469.9	12.0	M24	HDPE backing flange	527.0	Confirm	BS10 Table E	355	29.0
520.7	12.0	M24	HDPE backing flange	577.0	Confirm	BS10 Table E	400	32.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
584.2	16.0	M24	HDPE backing flange	641.0	Confirm	BS10 Table E	450	35.0
641.4	16.0	M24	HDPE backing flange	704.0	Confirm	BS10 Table E	500	38.0
755.7	16.0	M30	HDPE backing flange	825.0	Confirm	BS10 Table E	560	47.0
755.7	16.0	M30	HDPE backing flange	825.0	Confirm	BS10 Table E	630	47.0
60.0	4.0	M12	HDPE backing flange	88.0	Confirm	ASA150	20	10.0
69.0	4.0	M12	HDPE backing flange	98.0	Confirm	ASA150	25	10.0
79.0	4.0	M12	HDPE backing flange	107.0	Confirm	ASA150	32	10.0
88.0	4.0	M12	HDPE backing flange	117.0	Confirm	ASA150	40	12.0
98.0	4.0	M12	HDPE backing flange	127.0	Confirm	ASA150	50	12.0
120.0	4.0	M16	HDPE backing flange	152.0	Confirm	ASA150	63	12.0
139.0	4.0	M16	HDPE backing flange	177.0	Confirm	ASA150	75	12.0
152.0	4.0	M16	HDPE backing flange	190.0	Confirm	ASA150	90	12.0
190.0	8.0	M16	HDPE backing flange	228.0	Confirm	ASA150	110	15.0
190.0	8.0	M16	HDPE backing flange	228.0	Confirm	ASA150	125	15.0
215.0	8.0	M20	HDPE backing flange	254.0	Confirm	ASA150	140	15.0
241.0	8.0	M20	HDPE backing flange	279.0	Confirm	ASA150	160	20.0
241.0	8.0	M20	HDPE backing flange	279.0	Confirm	ASA150	180	20.0
298.0	8.0	M20	HDPE backing flange	342.0	Confirm	ASA150	200	20.0
298.0	8.0	M20	HDPE backing flange	342.0	Confirm	ASA150	225	20.0
361.0	12.0	M24	HDPE backing flange	406.0	Confirm	ASA150	250	25.0
361.0	12.0	M24	HDPE backing flange	406.0	Confirm	ASA150	280	25.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
431.0	12.0	M24	HDPE backing flange	482.0	Confirm	ASA150	315	30.0
476.0	12.0	M26	HDPE backing flange	533.0	Confirm	ASA150	355	30.0
539.0	16.0	M26	HDPE backing flange	596.0	Confirm	ASA150	400	30.0
577.0	16.0	M30	HDPE backing flange	635.0	Confirm	ASA150	450	30.0
635.0	20.0	M30	HDPE backing flange	698.0	Confirm	ASA150	500	30.0
749.0	20.0	M32	HDPE backing flange	812.0	Confirm	ASA150	560	35.0
65.0	4.0	M12	HDPE backing flange	95.0	30.0	SANS1123:2007 1600/3	20	10.0
75.0	4.0	M12	HDPE backing flange	105.0	38.0	SANS1123:2007 1600/3	25	10.0
85.0	4.0	M12	HDPE backing flange	115.0	45.0	SANS1123:2007 1600/3	32	10.0
100.0	4.0	M16	HDPE backing flange	140.0	52.0	SANS1123:2007 1600/3	40	10.0
110.0	4.0	M16	HDPE backing flange	150.0	63.0	SANS1123:2007 1600/3	50	10.0
125.0	4.0	M16	HDPE backing flange	165.0	74.0	SANS1123:2007 1600/3	63	12.0
145.0	4.0	M16	HDPE backing flange	185.0	86.0	SANS1123:2007 1600/3	75	12.0
160.0	8.0	M16	HDPE backing flange	200.0	103.0	SANS1123:2007 1600/3	90	14.0
180.0	8.0	M16	HDPE backing flange	220.0	136.0	SANS1123:2007 1600/3	110	14.0
180.0	8.0	M16	HDPE backing flange	220.0	136.0	SANS1123:2007 1600/3	125	14.0
210.0	8.0	M16	HDPE backing flange	250.0	158.0	SANS1123:2007 1600/3	140	16.0
240.0	8.0	M20	HDPE backing flange	285.0	190.0	SANS1123:2007 1600/3	160	18.0
240.0	8.0	M20	HDPE backing flange	285.0	190.0	SANS1123:2007 1600/3	180	18.0
295.0	12.0	M20	HDPE backing flange	340.0	236.0	SANS1123:2007 1600/3	200	22.0
295.0	12.0	M20	HDPE backing flange	340.0	236.0	SANS1123:2007 1600/3	225	22.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
355.0	12.0	M24	HDPE backing flange	405.0	279.0	SANS1123:2007 1600/3	250	25.0
355.0	12.0	M24	HDPE backing flange	405.0	292.0	SANS1123:2007 1600/3	280	25.0
410.0	12.0	M24	HDPE backing flange	460.0	330.0	SANS1123:2007 1600/3	315	28.0
470.0	16.0	M24	HDPE backing flange	520.0	376.0	SANS1123:2007 1600/3	355	30.0
525.0	16.0	M24	HDPE backing flange	580.0	430.0	SANS1123:2007 1600/3	400	35.0
585.0	20.0	M24	HDPE backing flange	640.0	476.0	SANS1123:2007 1600/3	450	40.0
650.0	20.0	M30	HDPE backing flange	715.0	533.0	SANS1123:2007 1600/3	500	40.0
710.0	20.0	M30	HDPE backing flange	775.0	592.0	SANS1123:2007 1600/3	560	40.0
770.0	20.0	M30	HDPE backing flange	840.0	662.0	SANS1123:2007 1600/3	630	50.0
65.0	4.0	M12	HDPE backing flange	95.0	Confirm	SANS1123:2007 1000/3	20	10.0
75.0	4.0	M12	HDPE backing flange	105.0	Confirm	SANS1123:2007 1000/3	25	10.0
85.0	4.0	M12	HDPE backing flange	115.0	Confirm	SANS1123:2007 1000/3	32	10.0
100.0	4.0	M16	HDPE backing flange	140.0	Confirm	SANS1123:2007 1000/3	40	10.0
110.0	4.0	M16	HDPE backing flange	150.0	Confirm	SANS1123:2007 1000/3	50	10.0
125.0	4.0	M16	HDPE backing flange	165.0	Confirm	SANS1123:2007 1000/3	63	12.0
145.0	4.0	M16	HDPE backing flange	185.0	Confirm	SANS1123:2007 1000/3	75	12.0
160.0	8.0	M16	HDPE backing flange	200.0	Confirm	SANS1123:2007 1000/3	90	12.0
180.0	8.0	M16	HDPE backing flange	220.0	Confirm	SANS1123:2007 1000/3	110	12.0
180.0	8.0	M16	HDPE backing flange	220.0	Confirm	SANS1123:2007 1000/3	125	12.0
210.0	8.0	M16	HDPE backing flange	250.0	Confirm	SANS1123:2007 1000/3	140	14.0
240.0	8.0	M20	HDPE backing flange	285.0	Confirm	SANS1123:2007 1000/3	160	16.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
240.0	8.0	M20	HDPE backing flange	285.0	Confirm	SANS1123:2007 1000/3	180	16.0
295.0	8.0	M20	HDPE backing flange	340.0	Confirm	SANS1123:2007 1000/3	200	18.0
295.0	8.0	M20	HDPE backing flange	340.0	Confirm	SANS1123:2007 1000/3	225	18.0
350.0	12.0	M20	HDPE backing flange	395.0	Confirm	SANS1123:2007 1000/3	250	20.0
350.0	12.0	M20	HDPE backing flange	395.0	Confirm	SANS1123:2007 1000/3	280	20.0
400.0	12.0	M20	HDPE backing flange	445.0	Confirm	SANS1123:2007 1000/3	315	22.0
460.0	16.0	M20	HDPE backing flange	506.0	Confirm	SANS1123:2007 1000/3	355	25.0
515.0	16.0	M24	HDPE backing flange	565.0	Confirm	SANS1123:2007 1000/3	400	25.0
565.0	20.0	M24	HDPE backing flange	615.0	Confirm	SANS1123:2007 1000/3	450	30.0
620.0	20.0	M24	HDPE backing flange	670.0	Confirm	SANS1123:2007 1000/3	500	32.0
675.0	20.0	M24	HDPE backing flange	730.0	Confirm	SANS1123:2007 1000/3	560	35.0
725.0	20.0	M26	HDPE backing flange	780.0	Confirm	SANS1123:2007 1000/3	630	40.0
55.0	4.0	M10	HDPE backing flange	80.0	Confirm	SANS1123:2007 600/3	20	10.0
65.0	4.0	M10	HDPE backing flange	90.0	Confirm	SANS1123:2007 600/3	25	10.0
75.0	4.0	M10	HDPE backing flange	100.0	Confirm	SANS1123:2007 600/3	32	10.0
90.0	4.0	M12	HDPE backing flange	120.0	Confirm	SANS1123:2007 600/3	40	10.0
100.0	4.0	M12	HDPE backing flange	130.0	Confirm	SANS1123:2007 600/3	50	10.0
110.0	4.0	M12	HDPE backing flange	140.0	Confirm	SANS1123:2007 600/3	63	10.0
130.0	4.0	M12	HDPE backing flange	160.0	Confirm	SANS1123:2007 600/3	75	10.0
150.0	4.0	M16	HDPE backing flange	190.0	Confirm	SANS1123:2007 600/3	90	10.0
170.0	4.0	M16	HDPE backing flange	210.0	Confirm	SANS1123:2007 600/3	110	10.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
170.0	4.0	M16	HDPE backing flange	210.0	Confirm	SANS1123:2007 600/3	125	10.0
200.0	8.0	M16	HDPE backing flange	240.0	Confirm	SANS1123:2007 600/3	140	12.0
225.0	8.0	M16	HDPE backing flange	265.0	Confirm	SANS1123:2007 600/3	160	12.0
225.0	8.0	M16	HDPE backing flange	265.0	Confirm	SANS1123:2007 600/3	180	12.0
280.0	8.0	M16	HDPE backing flange	320.0	Confirm	SANS1123:2007 600/3	200	14.0
280.0	8.0	M16	HDPE backing flange	320.0	Confirm	SANS1123:2007 600/3	225	14.0
335.0	12.0	M16	HDPE backing flange	375.0	Confirm	SANS1123:2007 600/3	250	16.0
335.0	12.0	M16	HDPE backing flange	375.0	Confirm	SANS1123:2007 600/3	280	16.0
395.0	12.0	M20	HDPE backing flange	440.0	Confirm	SANS1123:2007 600/3	315	20.0
445.0	12.0	M20	HDPE backing flange	490.0	Confirm	SANS1123:2007 600/3	355	22.0
495.0	16.0	M20	HDPE backing flange	540.0	Confirm	SANS1123:2007 600/3	400	22.0
550.0	16.0	M20	HDPE backing flange	595.0	Confirm	SANS1123:2007 600/3	450	25.0
600.0	20.0	M20	HDPE backing flange	645.0	Confirm	SANS1123:2007 600/3	500	25.0
655.0	20.0	M24	HDPE backing flange	705.0	Confirm	SANS1123:2007 600/3	560	28.0
705.0	20.0	M24	HDPE backing flange	755.0	Confirm	SANS1123:2007 600/3	630	30.0

HDPE backing-flange pattern dimensions by the listed pipe size and standard/table designation. Pipe size is the listed HDPE pipe size, not nominal bore. Confirm material grade, bore, stub-end fit and the applicable current dimensional and pressure-temperature requirements. These are dimensional references; no order code is established.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

040 / Legacy-pattern drilled flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

041 / Hydraulic Tube Clamps

Pipe and tube support for routed hydraulic systems.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

042 / Stainless Steel Tube & Pipe

Corrosion-led pipework and tube selection.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

043 / Stainless Steel BSP Pipe Fittings

Threaded stainless steel elbows, tees, sockets and adaptors.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

044 / Stainless Steel Butt Weld Fittings

Welded pipework elbows, reducers and tees.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

045 / Socket Weld & Forged Fittings

Forged connection components for engineered pipework.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

046 / Instrumentation Fittings

Small-bore instrumentation tube connection systems.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

047 / Dairy & Hygienic Pipe Fittings

Hygienic pipe fittings and compatible connection components.

[Application & quotation checklist](#)

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

Pumps, Motors & Power Packs

Hydraulic pumping, rotary drives and configured power packs for mobile and industrial machinery.

001 / 1SPA - GROUP 1 GEAR PUMPS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: 1SPA-0.9 / 1SPA-1.2 / 1SPA-1.6 / 1SPA-2.0 / 1SPA-2.5 / 1SPA-3.2 / 1SPA-3.7 / 1SPA-4.2 / 1SPA-5.0 / 1SPA-6.3 / 1SPA-7.8 / 1SPA-9.8

1SPA existing-code gear-pump ratings

Part code	Displacement (cm ³ /rev)	Continuous maximum pressure (bar)	Peak pressure (bar)	Maximum speed (rpm)	Listed maximum flow (L/min)
1SPA-0.9	0.89	240	290	6000	5.3
1SPA-1.2	1.18	240	290	6000	7.1
1SPA-1.6	1.6	240	290	6000	9.6
1SPA-2.0	2	220	270	5500	11
1SPA-2.5	2.5	220	270	5000	12.5
1SPA-3.2	3.2	210	260	4500	14.4
1SPA-3.7	3.7	210	260	4000	14.8
1SPA-4.2	4.2	190	230	3500	14.7
1SPA-5.0	5	180	230	3000	15
1SPA-6.3	6.3	170	210	2700	17
1SPA-7.8	7.76	170	210	2500	19.4
1SPA-9.8	9.78	150	190	2000	19.6

Gear-pump displacement, continuous-pressure limit, peak-pressure limit and speed limit for each exact code. Continuous pressure, peak pressure and maximum speed are separate limits and do not define a simultaneous duty point. Confirm shaft, mounting, ports, rotation, fluid, temperature and duty cycle. The listed flow belongs to this exact model series; it does not establish equivalence with another pump range.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

002 / 2SPA - GROUP 2 GEAR PUMPS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: 2SPA - 11.0 / 2SPA - 14.0 / 2SPA - 16.0 / 2SPA - 19.0 / 2SPA - 22.0 / 2SPA - 26.0 / 2SPA - 4.0 / 2SPA - 6.0 / 2SPA - 8.0

2SPA existing-code gear-pump ratings

Part code	Displacement (cm ³ /rev)	Continuous maximum pressure (bar)	Peak pressure (bar)	Maximum speed (rpm)	Listed maximum flow (L/min)
2SPA - 4.0	4	280	320	4000	16
2SPA - 6.0	6	280	320	4000	24
2SPA - 8.0	8.5	280	320	3500	29.7
2SPA - 11.0	11	280	320	3500	38.5
2SPA - 14.0	14	270	290	3500	49
2SPA - 16.0	16.5	230	250	3500	57.7
2SPA - 19.0	19.5	210	230	3300	64.3
2SPA - 22.0	22.5	190	210	2800	63
2SPA - 26.0	26	170	190	2500	65

Gear-pump displacement, continuous-pressure limit, peak-pressure limit and speed limit for each exact code. Continuous pressure, peak pressure and maximum speed are separate limits and do not define a simultaneous duty point. Confirm shaft, mounting, ports, rotation, fluid, temperature and duty cycle. The listed flow belongs to this exact model series; it does not establish equivalence with another pump range.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

003 / 3SPA - GROUP 3 GEAR PUMPS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: 3SPA - 19.0 / 3SPA - 22.0 / 3SPA - 29.0 / 3SPA - 33.0 / 3SPA - 36.0 / 3SPA - 44.0 / 3SPA - 52.0 / 3SPA - 62.0

Existing-code group3 pump ratings

Part code	Continuous maximum pressure (bar)	Displacement cm ³ rev (cm ³ /rev)	Max speed rpm	Peak pressure (bar)	listed maximum flow (L/min)
3SPA - 19.0	270	19.0	3500	320	66.5
3SPA - 22.0	260	22.3	3500	300	78.0
3SPA - 29.0	240	29.3	3300	280	96.7
3SPA - 33.0	240	32.9	3300	280	108.6
3SPA - 36.0	230	36.4	3300	270	120.1
3SPA - 44.0	200	43.5	3000	240	130.5
3SPA - 52.0	200	51.7	3000	240	155.1
3SPA - 62.0	180	61.1	2500	200	152.7

Gear-pump displacement, continuous-pressure limit, peak-pressure limit and speed limit for each exact code. Continuous pressure, peak pressure and maximum speed are separate limits and do not define a simultaneous duty point. Confirm shaft, mounting, ports, rotation, fluid, temperature and duty cycle. The listed flow belongs to this exact model series; it does not establish equivalence with another pump range.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

004 / 2SMA - GROUP 2 GEAR MOTORS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: 2SMA - 11.0 / 2SMA - 14.0 / 2SMA - 16.0 / 2SMA - 19.0 / 2SMA - 22.0 / 2SMA - 26.0 / 2SMA - 4.0 / 2SMA - 6.0 / 2SMA - 8.0

Existing-code group2 gear motor ratings

Part code	Continuous maximum pressure (bar)	Displacement cm ³ rev (cm ³ /rev)	Max speed rpm	Peak pressure (bar)
2SMA - 4.0	230	4.0	4000	230
2SMA - 6.0	230	6.0	4000	270
2SMA - 8.0	230	8.5	3500	230
2SMA - 11.0	230	11.0	3500	230

Existing-code group2 gear motor ratings

Part code	Continuous maximum pressure (bar)	Displacement cm ³ rev (cm ³ /rev)	Max speed rpm	Peak pressure (bar)
2SMA - 14.0	230	14.0	3500	230
2SMA - 16.0	230	16.5	3500	240
2SMA - 19.0	185	19.5	3300	185
2SMA - 22.0	170	22.5	2800	170
2SMA - 26.0	150	26.0	2500	155

Gear-motor displacement, pressure and speed limits for exact listed codes. Continuous pressure, peak pressure and maximum speed are separate limits. The maximum-flow figures are awaiting confirmation and are omitted. Confirm mounting, ports, shaft, rotation, allowable return pressure, fluid and duty cycle for the selected motor.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

005 / OHM - ORBITAL MOTORS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: BM4U-160PA4Y10T7 / BMP-50P1AIIYT7 / BMR-100P1AIIYT7 / BMR-160P1AIIYT7 / BMR-200P1AIIYT7 / BMR-80P1AIIYT7

OHM ORBITAL MOTORS exact configuration

Part code	Nominal displacement cm ³ rev (cm ³ /rev)	Port size inch	Shaft diameter mm	Shaft form	Spigot diameter mm
BMP-50P1AIIYT7	50.0	1/2	25.0	keyed	82.5
BMR-80P1AIIYT7	80.0	1/2	25.0	keyed	82.5
BMR-100P1AIIYT7	100.0	1/2	25.0	keyed	82.5
BMR-160P1AIIYT7	160.0	1/2	25.0	keyed	82.5
BMR-200P1AIIYT7	200.0	1/2	25.0	keyed	82.5

Orbital motor displacement, shaft and spigot dimensions for exact listed codes. The nominal displacement and shaft size do not establish speed, torque or pressure capability. Confirm the exact motor mounting, port thread, rotation, seals and operating limits. Similar model numbers do not establish interchangeability.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

006 / PF - PORT FLANGES

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: N-06-26 / N-06-30 / N-08-30 / N-08-40 / N-12-40 / N-12-51 / N-16-51 / N-16-62 / N-20-62 / N-20-72.5 / T-06-35 / T-06-40 / T-08-35 / T-08-40 / T-12-35 / T-12-40 / T-16-40 / T-16X1.5-3510L / T-18X1.5-3512L / T-22X1.5-3515L / T-22X1.5-4015L / T-24X1.5-3516S / T-26X1.5-4018L / T-30X2-4022L / T-36X2-4028L / T90-16X1.5-3510L / T90-18X1.5-3512L / T90-22X1.5-3515L / T90-22X1.5-4015L / T90-24X1.5-3516S / T90-26X1.5-4018L / T90-30X2-4020S / T90-30X2-4022L / T90-36X2-4028L

PF PORT FLANGES exact configuration / column group 1 of 2

Part code	Angle deg (degrees)	Nominal connection size; thread system unspecified	Port flange shape	Port thread reference	labelled port-flange size; geometry unspecified (mm)	size maximum; reference unspecified (mm)
N-06-26	90	3/8	diamond	BSP; parallel/taper not specified	26.0	Confirm
N-06-30	90	3/8	diamond	BSP; parallel/taper not specified	30.0	Confirm
N-08-30	90	1/2	diamond	BSP; parallel/taper not specified	30.0	Confirm
N-08-40	90	1/2	diamond	BSP; parallel/taper not specified	40.0	Confirm
N-12-40	90	3/4	diamond	BSP; parallel/taper not specified	40.0	Confirm
N-12-51	90	3/4	diamond	BSP; parallel/taper not specified	51.0	Confirm
N-16-51	90	1	diamond	BSP; parallel/taper not specified	Confirm	56.0
N-16-62	90	1	diamond	BSP; parallel/taper not specified	62.0	Confirm
N-20-62	90	1-1/4	diamond	BSP; parallel/taper not specified	62.0	Confirm
T-06-35	90	3/8	square	BSP; parallel/taper not specified	35.0	Confirm
T-06-40	90	3/8	square	BSP; parallel/taper not specified	40.0	Confirm
T-08-35	90	1/2	square	BSP; parallel/taper not specified	35.0	Confirm
T-08-40	90	1/2	square	BSP; parallel/taper not specified	40.0	Confirm
T-12-35	90	3/4	square	BSP; parallel/taper not specified	35.0	Confirm

PF PORT FLANGES exact configuration / column group 1 of 2

Part code	Angle deg (degrees)	Nominal connection size; thread system unspecified	Port flange shape	Port thread reference	labelled port-flange size; geometry unspecified (mm)	size maximum; reference unspecified (mm)
T-12-40	90	3/4	square	BSP; parallel/taper not specified	40.0	Confirm
T-16-40	90	1	square	BSP; parallel/taper not specified	40.0	Confirm
T-16X1.5-3510L	0	Confirm	square	M16×1.5	35.0	Confirm
T-18X1.5-3512L	0	Confirm	square	M18×1.5	35.0	Confirm
T-22X1.5-3515L	0	Confirm	square	M22×1.5	35.0	Confirm
T-24X1.5-3516S	0	Confirm	square	M24×1.5	35.0	Confirm
T-22X1.5-4015L	0	Confirm	square	M22×1.5	40.0	Confirm
T-26X1.5-4018L	0	Confirm	square	M26×1.5	40.0	Confirm
T-30X2-4022L	0	Confirm	square	M30×2	40.0	Confirm
T-36X2-4028L	0	Confirm	square	M36×2	40.0	Confirm
T90-16X1.5-3510L	90	Confirm	square	M16×1.5	35.0	Confirm
T90-18X1.5-3512L	90	Confirm	square	M18×1.5	35.0	Confirm
T90-22X1.5-3515L	90	Confirm	square	M22×1.5	35.0	Confirm
T90-24X1.5-3516S	90	Confirm	square	M24×1.5	35.0	Confirm
T90-22X1.5-4015L	90	Confirm	square	M22×1.5	40.0	Confirm
T90-26X1.5-4018L	90	Confirm	square	M26×1.5	40.0	Confirm
T90-30X2-4022L	90	Confirm	square	M30×2	40.0	Confirm
T90-36X2-4028L	90	Confirm	square	M36×2	40.0	Confirm
T90-30X2-4020S	90	Confirm	square	M30×2	40.0	Confirm

Identifying columns are repeated. Read all column groups together for the complete row specification.

PF PORT FLANGES exact configuration / column group 2 of 2

Part code	size minimum; reference unspecified (mm)	Tube od mm	Tube series
N-06-26	Confirm	Confirm	Confirm
N-06-30	Confirm	Confirm	Confirm
N-08-30	Confirm	Confirm	Confirm
N-08-40	Confirm	Confirm	Confirm
N-12-40	Confirm	Confirm	Confirm
N-12-51	Confirm	Confirm	Confirm
N-16-51	51.0	Confirm	Confirm
N-16-62	Confirm	Confirm	Confirm
N-20-62	Confirm	Confirm	Confirm
T-06-35	Confirm	Confirm	Confirm
T-06-40	Confirm	Confirm	Confirm
T-08-35	Confirm	Confirm	Confirm
T-08-40	Confirm	Confirm	Confirm
T-12-35	Confirm	Confirm	Confirm
T-12-40	Confirm	Confirm	Confirm
T-16-40	Confirm	Confirm	Confirm
T-16X1.5-3510L	Confirm	10	L
T-18X1.5-3512L	Confirm	12	L
T-22X1.5-3515L	Confirm	15	L
T-24X1.5-3516S	Confirm	16	S
T-22X1.5-4015L	Confirm	15	L

PF PORT FLANGES exact configuration / column group 2 of 2

Part code	size minimum; reference unspecified (mm)	Tube od mm	Tube series
T-26X1.5-4018L	Confirm	18	L
T-30X2-4022L	Confirm	22	L
T-36X2-4028L	Confirm	28	L
T90-16X1.5-3510L	Confirm	10	L
T90-18X1.5-3512L	Confirm	12	L
T90-22X1.5-3515L	Confirm	15	L
T90-24X1.5-3516S	Confirm	16	S
T90-22X1.5-4015L	Confirm	15	L
T90-26X1.5-4018L	Confirm	18	L
T90-30X2-4022L	Confirm	22	L
T90-36X2-4028L	Confirm	28	L
T90-30X2-4020S	Confirm	20	S

Identifying columns are repeated. Read all column groups together for the complete row specification.

Pump port-flange choices with listed connection and flange-size references. N pattern denotes diamond ports; T pattern denotes square ports. The listed flange-size number does not replace a bolt-pattern drawing. Confirm the pump or motor port face, bolt spacing, port thread, seal and pressure rating. The duplicate ambiguous size choice is omitted.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

007 / BH - BELL HOUSINGS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: BH1-140 / BH1-160 / BH1-200 / BH1-250 / BH2-160 / BH2-200 / BH2-250 / BH2-300 / BH2-350 / BH3-250 / BH3-300 / BH3-350 / BHPB-200 / BHPB-250 / BHPB-300 / BHPB-350 / BHPB-400

BH BELL HOUSINGS exact configuration

Part code	Configuration	motor power maximum (kW)	motor power minimum (kW)	pump group	labelled size; drawing reference unspecified (mm)
BH1-140	Confirm	0.18	0.12	1	140
BH1-160	Confirm	0.37	0.25	1	160
BH1-200	Confirm	1.5	0.55	1	200
BH1-250	Confirm	4.0	2.2	1	250
BH2-160	Confirm	0.37	0.25	2	160
BH2-200	Confirm	1.5	0.55	2	200
BH2-250	Confirm	4.0	2.2	2	250
BH2-300	Confirm	9.0	5.5	2	300
BH2-350	Confirm	22.0	11.0	2	350
BH3-250	Confirm	4.0	2.2	3	250
BH3-300	Confirm	9.0	5.5	3	300
BH3-350	Confirm	22.0	11.0	3	350
BHPB-200	pilot-bore housing	1.5	0.55	Confirm	200
BHPB-250	pilot-bore housing	4.0	2.2	Confirm	250
BHPB-300	pilot-bore housing	9.0	5.5	Confirm	300
BHPB-350	pilot-bore housing	22.0	11.0	Confirm	350
BHPB-400	pilot-bore housing	30.0	30.0	Confirm	400

Bell-housing choices by pump group, listed housing size and motor-power range. Power ranges are selection references for the indicated configuration. Confirm the motor flange, pump flange, shaft alignment, housing dimensions and drive arrangement; the listed size alone is not a mounting drawing.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

008 / DC - DRIVE COUPLINGS

Hydraulic drive components selected to the required flow, pressure and mounting arrangement.

Ordering references: DC1-14 / DC1-19 / DC1-24 / DC1-28 / DC2-19 / DC2-24 / DC2-28 / DC2-38 / DC2-42 / DC2-48 / DC3-28 / DC3-38 / DC3-42 / DC3-48 / SPIDER104 / SPIDER45 / SPIDER55 / SPIDER74

DC DRIVE COUPLINGS exact configuration

Part code	Outer diameter mm	motor power maximum (kW)	motor power minimum (kW)	pump group	labelled size; drawing reference unspecified (mm)
DC1-14	Confirm	0.37	0.25	1	14
DC1-19	Confirm	0.75	0.55	1	19
DC1-24	Confirm	1.5	1.1	1	24
DC1-28	Confirm	4.0	2.2	1	28
DC2-19	Confirm	0.75	0.55	2	19
DC2-24	Confirm	1.5	1.1	2	24
DC2-28	Confirm	4.0	2.2	2	28
DC2-38	Confirm	9.0	5.5	2	38
DC2-42	Confirm	15.0	11.0	2	42
DC2-48	Confirm	22.0	18.5	2	48
DC3-28	Confirm	4.0	2.2	3	28
DC3-38	Confirm	9.0	5.5	3	38
DC3-42	Confirm	15.0	11.0	3	42
DC3-48	Confirm	22.0	18.5	3	48
SPIDER45	45.0	Confirm	Confirm	Confirm	Confirm
SPIDER55	55.0	Confirm	Confirm	Confirm	Confirm
SPIDER74	74.0	Confirm	Confirm	Confirm	Confirm
SPIDER104	104.0	Confirm	Confirm	Confirm	Confirm

Drive-coupling choices by pump group, listed size and motor-power range, plus replacement spider outside diameters. Confirm shaft bore, keyway, pump shaft, motor shaft, hub spacing and application torque. A spider outside diameter alone does not establish material, hardness or coupling interchangeability.

[Application & quotation checklist](#)

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

009 / Variable Displacement Piston Pumps

Demand-controlled hydraulic pumping for configured circuits.

[Application & quotation checklist](#)

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

010 / Vane Pumps

Hydraulic pumping selected to the circuit and duty cycle.

[Application & quotation checklist](#)

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

011 / Hydraulic Power Packs

Configured hydraulic power units for an engineered duty.

[Application & quotation checklist](#)

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

012 / Diesel Hydraulic Power Packs

Independent hydraulic power for remote and mobile applications.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

013 / Group 1 Cast Iron Gear Pumps (1PFC)

Exact specified model selection; legacy and current codes remain separate.

Ordering references: 1PFC0.75 / 1PFC1.2 / 1PFC1.6 / 1PFC2.1 / 1PFC2.6 / 1PFC3.2 / 1PFC3.7 / 1PFC4.2 / 1PFC5.0 / 1PFC6.0 / 1PFC7.0 / 1PFC8.0 / 1PFC9.8

Group 1 Cast Iron Gear Pumps (1PFC) exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm³/rev)	Max speed rpm	Peak pressure (bar)	flow; reference speed unstated (L/min)
1PFC0.75	230	0.75	6000	270	1
1PFC1.2	230	1.2	6000	270	1.6
1PFC1.6	230	1.6	6000	270	1.9
1PFC2.1	230	2.1	6000	270	2.3
1PFC2.6	230	2.6	6000	270	3
1PFC3.2	210	3.2	5000	250	4.6
1PFC3.7	210	3.7	4500	250	5.3
1PFC4.2	210	4.2	4000	250	5.8
1PFC5.0	190	5	3500	230	7.1
1PFC6.0	190	6	3000	230	8.3
1PFC7.0	160	7	2500	200	10
1PFC8.0	160	8	2100	200	11
1PFC9.8	160	9.8	2000	200	14

Exact gear-pump displacement and separate continuous-pressure, peak-pressure and speed limits. The flow column does not state its reference speed, pressure or efficiency; it is not flow at maximum speed. Continuous pressure, peak pressure and maximum speed are separate limits. Confirm shaft, ports, mounting, rotation, fluid, temperature and duty cycle for the exact configuration.

Group 1 Cast Iron Gear Pumps (1PFC) exact configurations - construction & conditions

Parameter	Specification
Body material	cast iron; grade not stated
Mounting bolt count	4
Rotation configuration	unidirectional; direction not stated

Exact gear-pump displacement and separate continuous-pressure, peak-pressure and speed limits. The flow column does not state its reference speed, pressure or efficiency; it is not flow at maximum speed. Continuous pressure, peak pressure and maximum speed are separate limits. Confirm shaft, ports, mounting, rotation, fluid, temperature and duty cycle for the exact configuration.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

014 / Group 2 Cast Iron Gear Pumps (2GPM)

Exact specified model selection; legacy and current codes remain separate.

Ordering references: GPM2GC4 / GPM2GC6 / GPM2GC8 / GPM2GC11 / GPM2GC14 / GPM2GC16 / GPM2GC20 / GPM2GC22 / GPM2GC26

Group 2 Cast Iron Gear Pumps (2GPM) exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm³/rev)	Max speed rpm	Peak pressure (bar)	flow; reference speed unstated (L/min)
GPM2GC4	200	4	4000	280	6
GPM2GC6	200	6	4000	280	9
GPM2GC8	200	8	4000	280	12
GPM2GC11	200	11	3000	280	16.5
GPM2GC14	200	14	4000	260	21
GPM2GC16	200	16	4000	260	24
GPM2GC20	200	20	3200	230	30
GPM2GC22	200	22	3000	230	33
GPM2GC26	180	26	2500	200	39

Exact gear-pump displacement and separate continuous-pressure, peak-pressure and speed limits. The flow column does not state its reference speed, pressure or efficiency; it is not flow at maximum speed. Continuous pressure, peak pressure and maximum speed are separate limits. Confirm shaft, ports, mounting, rotation, fluid, temperature and duty cycle for the exact configuration.

Group 2 Cast Iron Gear Pumps (2GPM) exact configurations - construction & conditions

Parameter	Specification
Body material	cast iron; grade not stated
Mounting bolt count	4
Rotation configuration	unidirectional; direction not stated

Exact gear-pump displacement and separate continuous-pressure, peak-pressure and speed limits. The flow column does not state its reference speed, pressure or efficiency; it is not flow at maximum speed. Continuous pressure, peak pressure and maximum speed are separate limits. Confirm shaft, ports, mounting, rotation, fluid, temperature and duty cycle for the exact configuration.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

015 / Group 3 Gear Pumps (3GPM)

Exact specified model selection; legacy and current codes remain separate.

Ordering references: GPM3FC20 / GPM3FC25 / GPM3FC28 / GPM3FC32 / GPM3FC40 / GPM3FC46 / GPM3FC52 / GPM3FC55 / GPM3FC63

Group 3 Gear Pumps (3GPM) exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm³/rev)	Max speed rpm	Peak pressure (bar)	flow; reference speed unstated (L/min)
GPM3FC20	200	20	3500	270	30
GPM3FC25	200	25	3000	270	37.5
GPM3FC28	200	28	3000	270	42
GPM3FC32	200	32	3000	260	48
GPM3FC40	160	40	2800	250	60
GPM3FC46	160	46	2800	230	69
GPM3FC52	150	52	2500	200	78

Group 3 Gear Pumps (3GPM) exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm ³ /rev)	Max speed rpm	Peak pressure (bar)	flow; reference speed unstated (L/min)
GPM3FC55	140	55	2300	200	82.5
GPM3FC63	140	63	2300	180	94.5

Exact gear-pump displacement and separate continuous-pressure, peak-pressure and speed limits. The flow column does not state its reference speed, pressure or efficiency; it is not flow at maximum speed. Continuous pressure, peak pressure and maximum speed are separate limits. Confirm shaft, ports, mounting, rotation, fluid, temperature and duty cycle for the exact configuration.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

016 / PTO Piston Pumps

Exact specified model selection; legacy and current codes remain separate.

Ordering references: K-P0852SF131 / K-P0860SF131 / K-P10080SF131

PTO Piston Pumps exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm ³ /rev)	Max speed rpm
K-P0852SF131	350	52	1800
K-P0860SF131	300	60	1500
K-P10080SF131	300	80	1500

PTO piston-pump displacement, continuous-pressure limit and maximum speed for exact codes. Pressure and maximum speed are separate limits. Confirm PTO shaft, mounting, ports, rotation, lubrication, fluid, temperature and duty cycle for the exact configuration.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

017 / Group 2 Hydraulic Gear Motors (BHM2)

Exact specified model selection; legacy and current codes remain separate.

Ordering references: BHM2-B0-R-04-T0-L4 / BHM2-B0-R-06-T0-L4 / BHM2-B0-R-08-T0-L4 / BHM2-B0-R-11-T0-L4 / BHM2-B0-R-14-T0-L4 / BHM2-B0-R-16-T0-L4 / BHM2-B0-R-19-T0-L4 / BHM2-B0-R-22-T0-L4 / BHM2-B0-R-25-T0-L4

Group 2 Hydraulic Gear Motors (BHM2) exact configurations

Part code	Continuous maximum pressure (bar)	Displacement cm3 rev (cm ³ /rev)	Max speed rpm	Peak pressure (bar)
BHM2-B0-R-04-T0-L4	230	4	4000	230
BHM2-B0-R-06-T0-L4	230	6	4000	230
BHM2-B0-R-08-T0-L4	230	8	3500	230
BHM2-B0-R-11-T0-L4	230	11	3000	230
BHM2-B0-R-14-T0-L4	210	14	4000	210
BHM2-B0-R-16-T0-L4	210	16	4000	210
BHM2-B0-R-19-T0-L4	210	19	3200	210
BHM2-B0-R-22-T0-L4	190	22	3000	190
BHM2-B0-R-25-T0-L4	190	25	2800	190

Hydraulic gear-motor displacement and separate pressure and speed limits. Continuous pressure, peak pressure and maximum speed do not define a simultaneous duty point. Confirm shaft, ports, mounting, rotation, drain/return-pressure limit and fluid/temperature requirements.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

018 / 220 V Single-Phase Electric Motors

Exact specified model selection; legacy and current codes remain separate.

Ordering references: 0.37KW220VB3/5 / 0.75KW220VB3/5 / 1.1KW220VB3/5 / 1.5KW220VB3/5 / 2.2KW220VB3/5 / 3KW220VB3/5

220 V Single-Phase Electric Motors exact configurations

Part code	Phase count	Pole count	Rated power kw	mounting reference	Supply voltage v
0.37KW220VB3/5	1	4	0.37	B3/5 foot and flange	220

220 V Single-Phase Electric Motors exact configurations

Part code	Phase count	Pole count	Rated power kw	mounting reference	Supply voltage v
0.75KW220VB3/5	1	4	0.75	B3/5 foot and flange	220
1.1KW220VB3/5	1	4	1.1	B3/5 foot and flange	220
1.5KW220VB3/5	1	4	1.5	B3/5 foot and flange	220
2.2KW220VB3/5	1	4	2.2	B3/5 foot and flange	220
3KW220VB3/5	1	4	3	B3/5 foot and flange	220

Four-pole electric motors with listed supply voltage, phase, rated power and B 3/5 foot-and-flange mounting reference. Confirm supply frequency, actual rated speed, duty, efficiency, IP protection, insulation class, frame and shaft dimensions. Pole count does not establish an exact running speed.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

019 / 380 V Three-Phase Electric Motors

Exact specified model selection; legacy and current codes remain separate.

Ordering references: 0.75KW380VB3/5 / 1.1KW380VB3/5 / 1.5KW380VB3/5 / 2.2KW380VB3/5 / 3KW380VB3/5 / 5.5KW380VB3/5 / 7.5KW380VB3/5 / 9KW380VB3/5

380 V Three-Phase Electric Motors exact configurations

Part code	Phase count	Pole count	Rated power kw	mounting reference	Supply voltage v
0.75KW380VB3/5	3	4	0.75	B3/5 foot and flange	380
1.1KW380VB3/5	3	4	1.1	B3/5 foot and flange	380
1.5KW380VB3/5	3	4	1.5	B3/5 foot and flange	380
2.2KW380VB3/5	3	4	2.2	B3/5 foot and flange	380
3KW380VB3/5	3	4	3	B3/5 foot and flange	380
5.5KW380VB3/5	3	4	5.5	B3/5 foot and flange	380
7.5KW380VB3/5	3	4	7.5	B3/5 foot and flange	380

380 V Three-Phase Electric Motors exact configurations

Part code	Phase count	Pole count	Rated power kw	mounting reference	Supply voltage v
9KW380VB3/5	3	4	9	B3/5 foot and flange	380

Four-pole electric motors with listed supply voltage, phase, rated power and B 3/5 foot-and-flange mounting reference. Confirm supply frequency, actual rated speed, duty, efficiency, IP protection, insulation class, frame and shaft dimensions. Pole count does not establish an exact running speed.

Application & quotation checklist

Required flow or displacement; Operating pressure and duty cycle; Speed, shaft and mounting arrangement; Rotation, fluid and control requirements

Cylinders & Sealing

Hydraulic cylinders, cylinder components and seals selected to suit the duty.

001 / Double Acting Hydraulic Cylinders

Powered extension and retraction for industrial and mobile equipment.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

002 / Single Acting Hydraulic Cylinders

Single-direction hydraulic actuation.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

003 / Custom Cylinder Enquiries

Application-specific cylinder design and supply.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

004 / Cylinder Components & Mountings

Rods, tubes, mounts and associated cylinder components.

Ordering references: MHT 40x50MM / MHT 50x60MM / MHT 63x76MM / MHT 80x90MM / MHT 80x100MM / MHT 100x120MM / MHT 100x130MM / MHT 120x140MM / MHT 120x150MM / SCHR 16MM / SCHR 25MM / SCHR 32MM / SCHR 40MM / SCHR 50MM / SCHR 60MM / SCHR 80MM / SCHR 100MM / SCHR 150MM / SCHR 1" / SCHR 2" / SCHR 3" / CON TFCLM16X15 / CON TFCLM20X15 / CON TFCLM24X2 / CON TFCLM30X2 / CON TFCLM33X2 / CON WFCL16P / CON WFCL20P / CON WFCL25P / CON WFCL30P / CON WFCL35P

Cylinder barrel tubing exact stock selection

Part code	Finish	Inside diameter mm	Mass kg per m (kg/m)	Material reference	Outside diameter mm	Wall thickness mm
MHT 40x50MM	mechanically burnished	40	5.55	ST52B	50	5
MHT 50x60MM	mechanically burnished	50	6.78	ST52B	60	5
MHT 63x76MM	mechanically burnished	63	11.14	ST52B	76	6.5
MHT 80x90MM	mechanically burnished	80	10.48	ST52B	90	5
MHT 80x100MM	mechanically burnished	80	22.18	ST52B	100	10
MHT 100x120MM	mechanically burnished	100	27.11	ST52B	120	10
MHT 100x130MM	mechanically burnished	100	42.52	ST52B	130	15
MHT 120x140MM	mechanically burnished	120	32.04	ST52B	140	10
MHT 120x150MM	mechanically burnished	120	49.91	ST52B	150	15

ST 52 B mechanically burnished cylinder-barrel stock by inside diameter, outside diameter and wall thickness. Stock dimensions do not establish a finished-cylinder pressure rating. Confirm material certification, tolerance, straightness and bore surface finish for the cylinder design.

Chrome rod exact stock selection

Part code	Mass kg per m (kg/m)	Material reference	Rod diameter mm	Surface
SCHR 16MM	1.58	CK45	16	chrome plated; thickness/roughness not established
SCHR 25MM	3.85	CK45	25	chrome plated; thickness/roughness not established
SCHR 32MM	6.31	CK45	32	chrome plated; thickness/roughness not established
SCHR 40MM	9.86	CK45	40	chrome plated; thickness/roughness not established
SCHR 50MM	15.41	CK45	50	chrome plated; thickness/roughness not established
SCHR 60MM	22.18	CK45	60	chrome plated; thickness/roughness not established
SCHR 80MM	39.44	CK45	80	chrome plated; thickness/roughness not established
SCHR 100MM	61.62	CK45	100	chrome plated; thickness/roughness not established

Chrome rod exact stock selection

Part code	Mass kg per m (kg/m)	Material reference	Rod diameter mm	Surface
SCHR 150MM	138.65	CK45	150	chrome plated; thickness/roughness not established
SCHR 1"	3.98	CK45	25.4	chrome plated; thickness/roughness not established
SCHR 2"	15.9	CK45	50.8	chrome plated; thickness/roughness not established
SCHR 3"	35.78	CK45	76.2	chrome plated; thickness/roughness not established

CK 45 chrome rod stock by diameter and mass per metre. Confirm chrome thickness, hardness, straightness, diameter tolerance and surface roughness. Rod diameter alone does not establish cylinder force, buckling capacity or seal suitability.

Cylinder threaded fork labelled dimensions

Part code	Dimension h mm	Dimension l mm	Dimension q mm	Dimension w mm	Dimension z1 mm	Dimension z mm	P dimension	Thread f
CON TFCLM16X15	16	55	35	16	24	39	16, 20	M16×1.5
CON TFCLM20X15	20	65	40	20	30	45	20, 25	M20×1.5
CON TFCLM24X2	25	75	50	25	30	50	25, 25	M24×2
CON TFCLM30X2	30	95	60	30	35	65	30, 25	M30×2
CON TFCLM33X2	35	110	70	35	40	75	35, 25	M33×2

Cylinder clevis dimensions retain the drawing letter references. Use the original dimensional drawing to confirm installation and pin geometry. The ambiguous two-value P entry is not a confirmed drilling diameter. Material, welding requirements and permissible load require confirmation.

Cylinder weldable fork labelled dimensions

Part code	Dimension h mm	Dimension l mm	Dimension q mm	Dimension r mm	Dimension w mm	Dimension z1 mm	Dimension z mm	P dimension
CON WFCL16P	16	50	35	16	16	24	34	16, 20
CON WFCL20P	20	60	40	20	20	30	40	20, 25
CON WFCL25P	25	70	50	25	25	30	45	25, 25
CON WFCL30P	30	80	60	30	30	35	50	30, 25
CON WFCL35P	35	90	70	35	35	40	55	35, 25

Cylinder clevis dimensions retain the drawing letter references. Use the original dimensional drawing to confirm installation and pin geometry. The ambiguous two-value P entry is not a confirmed drilling diameter. Material, welding requirements and permissible load require confirmation.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

005 / Hydraulic Cylinder Seal Kits

Seal identification and matched replacement kits.

Ordering references: SKT 252009116 / SKT 253010114 / SKT 253012112 / SKT 254010 / SKT 254012 / SKT 254016

Tie-rod cylinder seal-kit exact selections

Part code	Bore inch	Bore mm	Rod diameter inch	application	rod diameter mm
SKT 252009116	2	50.8	1-1/16	tie-rod cylinder series only	26.98
SKT 253010114	3	76.2	1-1/4	tie-rod cylinder series only	31.8
SKT 253012112	3	76.2	1-1/2	tie-rod cylinder series only	38.1
SKT 254010	4	101.6	1-1/4	tie-rod cylinder series only	31.8
SKT 254012	4	101.6	1-1/2	tie-rod cylinder series only	38.1
SKT 254016	4	101.6	2	tie-rod cylinder series only	50.8

Seal-kit choices for the specified cylinder bore, rod and tie-rod application. Bore and rod dimensions alone do not prove seal-kit interchangeability. Confirm cylinder model, seal profiles, materials, temperature and fluid. Original inch rod sizes are retained alongside the rounded metric references.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

006 / O-Rings, Wipers & Hydraulic Seals

Sealing components selected to dimensions, material and duty.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

007 / Tie-Rod Hydraulic Cylinders

A range of 2, 3 and 4 inch bore cylinders with exact stroke, rod, port and retracted-length choices.

Ordering references: CYL T252004085 / CYL T252008085 / CYL T252012085 / CYL T252016085 / CYL T252024085 / CYL T252036085 / CYL T252048085 / CYL T25300610 / CYL T25301012 / CYL T25301412 / CYL T25302012 / CYL T25303012 / CYL T25304812 / CYL T25400816 / CYL T25401216 / CYL T25401816 / CYL T25402416 / CYL T25403016 / CYL T25404816

[Tie-rod cylinder exact configurations / column group 1 of 2](#)

Part code	Bore inch	Bore mm	Mass kg	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke inch	Stroke mm
CYL T252004085	2	50.8	6.65	25.4	3/8	BSP; parallel/taper not stated	14-1/4	1-1/16	4	101.6
CYL T252008085	2	50.8	8.86	25.4	3/8	BSP; parallel/taper not stated	18-1/4	1-1/16	8	203.2
CYL T252012085	2	50.8	9.77	25.4	3/8	BSP; parallel/taper not stated	22-1/4	1-1/16	12	304.8
CYL T252016085	2	50.8	11.59	25.4	3/8	BSP; parallel/taper not stated	26-1/4	1-1/16	16	406.4
CYL T252024085	2	50.8	14.32	25.4	3/8	BSP; parallel/taper not stated	34-1/4	1-1/16	24	609.6
CYL T252036085	2	50.8	18.18	25.4	3/8	BSP; parallel/taper not stated	46-1/4	1-1/16	36	914.4
CYL T252048085	2	50.8	26.82	25.4	3/8	BSP; parallel/taper not stated	58-1/4	1-1/16	48	1219.2
CYL T25300610	3	76.2	10.91	25.4	1/2	BSP; parallel/taper not stated	16-1/4	1-1/4	6	152.4
CYL T25301012	3	76.2	13.18	25.4	1/2	BSP; parallel/taper not stated	20-1/4	1-1/2	10	254
CYL T25301412	3	76.2	15.23	25.4	1/2	BSP; parallel/taper not stated	24-1/4	1-1/2	14	355.6
CYL T25302012	3	76.2	17.91	25.4	1/2	BSP; parallel/taper not stated	30-1/4	1-1/2	20	508
CYL T25303012	3	76.2	24.45	25.4	1/2	BSP; parallel/taper not stated	40-1/4	1-1/2	30	762
CYL T25304812	3	76.2	30.91	25.4	1/2	BSP; parallel/taper not stated	58-1/4	1-1/2	48	1219.2
CYL T25400816	4	101.6	17.95	25.4	1/2	BSP; parallel/taper not stated	18-1/4	2	8	203.2
CYL T25401216	4	101.6	21.91	25.4	1/2	BSP; parallel/taper not stated	22-1/4	2	12	304.8
CYL T25401816	4	101.6	Confirm	25.4	1/2	BSP; parallel/taper not stated	28-1/4	2	18	457.2
CYL T25402416	4	101.6	31.5	25.4	1/2	BSP; parallel/taper not stated	34-1/4	2	24	609.6

Tie-rod cylinder exact configurations / column group 1 of 2

Part code	Bore inch	Bore mm	Mass kg	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke inch	Stroke mm
CYL T25403016	4	101.6	36.95	25.4	1/2	BSP; parallel/taper not stated	40-1/4	2	30	762
CYL T25404816	4	101.6	55.91	25.4	1/2	BSP; parallel/taper not stated	58-1/4	2	48	1219.2

Identifying columns are repeated. Read all column groups together for the complete row specification.

Tie-rod cylinder exact configurations / column group 2 of 2

Part code	Test pressure psi	Working pressure psi
CYL T252004085	3750	2500
CYL T252008085	3750	2500
CYL T252012085	3750	2500
CYL T252016085	3750	2500
CYL T252024085	3750	2500
CYL T252036085	3750	2500
CYL T252048085	3750	2500
CYL T25300610	3750	2500
CYL T25301012	3750	2500
CYL T25301412	3750	2500
CYL T25302012	3750	2500
CYL T25303012	3750	2500
CYL T25304812	3750	2500
CYL T25400816	3750	2500
CYL T25401216	3750	2500
CYL T25401816	3750	2500

Tie-rod cylinder exact configurations / column group 2 of 2

Part code	Test pressure psi	Working pressure psi
CYL T25402416	3750	2500
CYL T25403016	3750	2500
CYL T25404816	3750	2500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact cylinder configurations with bore, rod, stroke, retracted length, port and pin dimensions. This cylinder selection is rated 2500 psi working pressure and 3750 psi test pressure; test pressure is not an operating limit. Confirm action type, mounts, seals, temperature, side loading and installation drawing. The pressure rating does not apply to unrelated custom cylinders or raw stock.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

008 / Rollback Hydraulic Cylinders

Four specified long-stroke cylinder configurations for rollback applications.

Ordering references: CYL T253012012 / CYL T254008716 / CYL T254012016 / CYL T254013316

Rollback cylinder exact configurations / column group 1 of 2

Part code	Bore inch	Bore mm	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke mm	Test pressure psi
CYL T253012012	3	76.2	25.4	1/2	BSP; parallel/taper not stated	130.25	1-1/2	3048	3750
CYL T254008716	4	101.6	25.4	1/2	BSP; parallel/taper not stated	96.86	2	2200	3750
CYL T254012016	4	101.6	25.4	1/2	BSP; parallel/taper not stated	130.25	2	3048	3750
CYL T254013316	4	101.6	25.4	1/2	BSP; parallel/taper not stated	143.7	2	3389.65	3750

Identifying columns are repeated. Read all column groups together for the complete row specification.

Rollback cylinder exact configurations / column group 2 of 2

Part code	Working pressure psi
CYL T253012012	2500

Rollback cylinder exact configurations / column group 2 of 2

Part code	Working pressure psi
CYL T254008716	2500
CYL T254012016	2500
CYL T254013316	2500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact cylinder configurations with bore, rod, stroke, retracted length, port and pin dimensions. This cylinder selection is rated 2500 psi working pressure and 3750 psi test pressure; test pressure is not an operating limit. Confirm action type, mounts, seals, temperature, side loading and installation drawing. The pressure rating does not apply to unrelated custom cylinders or raw stock.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

Valves, Manifolds & Controls

Directional, pressure and flow control, integrated manifolds and load-sensing valve banks.

001 / MBV - MONOBLOCK VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: Q1501 / Q2501 / Q2502 / Q2503 / Q2504 / Q2505 / Q2506 / Q2507 / Q3501 / Q4501 / Q4502 / Q4503 / Q4504 / Q4505 / Q4506 / Q4507 / Q7501 / Q7502 / Q7503 / Q7504 / Q7505 / Q7506 / Q9501 / Q9502 / Q9503

MBV MONOBLOCK VALVES exact configuration

Part code	Bank count	Nominal connection size; thread system unspecified	Outlet size inch	Spool action
Q1501	1	1/4	Confirm	double acting
Q2501	1	3/8	1/2	double acting
Q2502	2	3/8	1/2	double acting
Q2503	3	3/8	1/2	double acting
Q2504	4	3/8	1/2	double acting
Q2505	5	3/8	1/2	double acting
Q2506	6	3/8	1/2	double acting
Q2507	7	3/8	1/2	double acting
Q3501	1	3/8	Confirm	double acting
Q4501	1	1/2	Confirm	double acting
Q4502	2	1/2	Confirm	double acting
Q4503	3	1/2	Confirm	double acting
Q4504	4	1/2	Confirm	double acting
Q4505	5	1/2	Confirm	double acting
Q4506	6	1/2	Confirm	double acting

MBV MONOBLOCK VALVES exact configuration

Part code	Bank count	Nominal connection size; thread system unspecified	Outlet size inch	Spool action
Q4507	7	1/2	Confirm	double acting
Q7501	1	1/2	3/4	double acting
Q7502	2	1/2	3/4	double acting
Q7503	3	1/2	3/4	double acting
Q7504	4	1/2	3/4	double acting
Q7505	5	1/2	3/4	double acting
Q7506	6	1/2	3/4	double acting
Q9501	1	3/4	Confirm	double acting
Q9502	2	3/4	Confirm	double acting
Q9503	3	3/4	Confirm	double acting

Double-acting monoblock valve configurations by bank count and nominal port size. Outlet sizes are listed separately where specified. Confirm port-thread standard, spool function, flow capacity, working pressure, relief setting, power-beyond arrangement and overall dimensions for the exact bank.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

002 / VA - VALVE ACCESSORIES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FC-1000 / FC-1500 / FC-2000 / FC-2500 / FC-3000 / IF-06-C3 / IF-08-C3 / IF-12-C3 / Q25-50A15-R / Q25-50H1 / Q25-50H5 / Q25-50M1U1 / Q25-50R1 / Q25-50R2 / Q25-50R3 / Q25-50R4 / Q25-50R5 / Q25-50R6 / Q25-50RTL / Q75-95H1 / Q75-95H5 / Q75-95M1U1 / Q75-95R1 / Q75-95R2 / Q75-95R3 / Q75-95R4 / Q75-95R5 / Q75-95R6

VA VALVE ACCESSORIES exact configuration

Part code	Nominal connection size; thread system unspecified
IF-06-C3	3/8

VA VALVE ACCESSORIES exact configuration

Part code	Nominal connection size; thread system unspecified
IF-08-C3	1/2
IF-12-C3	3/4

Cam-operated flow-diverter accessory connections. Confirm thread form, control movement, mounting and flow/pressure limits for the selected accessory.

Valve detent, pilot and remote-control accessory selections

Part code	A position control	B position control	Control configuration	Neutral position present	Position count	Simultaneously controlled spools	compatibility label
Q25-50R1	detent	spring centred	Confirm	Yes	Confirm	Confirm	Q25-50
Q25-50R2	spring centred	detent	Confirm	Yes	Confirm	Confirm	Q25-50
Q25-50R3	detent	detent	Confirm	Yes	Confirm	Confirm	Q25-50
Q25-50R4	detent	absent	Confirm	Yes	Confirm	Confirm	Q25-50
Q25-50R5	absent	detent	Confirm	Yes	Confirm	Confirm	Q25-50
Q25-50R6	detent	detent	Confirm	No	Confirm	Confirm	Q25-50
Q25-50H1	Confirm	Confirm	hydraulic pilot; high-pressure option, no numeric rating	Confirm	3	Confirm	Q25-50
Q25-50H5	Confirm	Confirm	hydraulic pilot; low-pressure option, no numeric rating	Confirm	3	Confirm	Q25-50
Q25-50M1U1	Confirm	Confirm	mechanical remote-control spool connection	Confirm	3	Confirm	Q25-50
Q75-95R1	detent	spring centred	Confirm	Yes	Confirm	Confirm	Q75-95
Q75-95R2	spring centred	detent	Confirm	Yes	Confirm	Confirm	Q75-95
Q75-95R3	detent	detent	Confirm	Yes	Confirm	Confirm	Q75-95
Q75-95R4	detent	absent	Confirm	Yes	Confirm	Confirm	Q75-95
Q75-95R5	absent	detent	Confirm	Yes	Confirm	Confirm	Q75-95
Q75-95R6	detent	detent	Confirm	No	Confirm	Confirm	Q75-95

Valve detent, pilot and remote-control accessory selections

Part code	A position control	B position control	Control configuration	Neutral position present	Position count	Simultaneously controlled spools	compatibility label
Q75-95H1	Confirm	Confirm	hydraulic pilot; high-pressure option, no numeric rating	Confirm	3	Confirm	Q75-95
Q75-95H5	Confirm	Confirm	hydraulic pilot; low-pressure option, no numeric rating	Confirm	3	Confirm	Q75-95
Q75-95M1U1	Confirm	Confirm	mechanical remote-control spool connection	Confirm	3	Confirm	Q75-95
Q25-50RTL	Confirm	Confirm	clutched rotary control	Confirm	3	Confirm	Q25-50
Q25-50A15-R	Confirm	Confirm	cloche lever, attachment at either port	Confirm	Confirm	2	Q25-50

Detent, pilot and remote-control options for the indicated valve-series compatibility label. The compatibility label applies only to the named control configuration. Confirm the exact valve body, mounting kit and actuation requirements. High-pressure and low-pressure option names are not numeric pilot-pressure ratings.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

003 / BV - BALL VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: BKHR-04 / BKHR-06 / BKHR-08 / BKHR-12 / BKHR-16 / BKHR-20 / BKHR-24 / BKHR-32 / BKHR3-04 / BKHR3-06 / BKHR3-08 / BKHR3-12 / BKHR3-16 / BKHR3-20 / BKHR3-24

BV BALL VALVES exact configuration

Part code	Nominal connection size; thread system unspecified	Port path	Valve ways
BKHR-04	1/4	Confirm	2
BKHR-06	3/8	Confirm	2
BKHR-08	1/2	Confirm	2
BKHR-12	3/4	Confirm	2
BKHR-16	1	Confirm	2

BV BALL VALVES exact configuration

Part code	Nominal connection size; thread system unspecified	Port path	Valve ways
BKHR-20	1-1/4	Confirm	2
BKHR-24	1-1/2	Confirm	2
BKHR-32	2	Confirm	2
BKHR3-04	1/4	L	3
BKHR3-06	3/8	L	3
BKHR3-08	1/2	L	3
BKHR3-12	3/4	L	3
BKHR3-16	1	L	3
BKHR3-20	1-1/4	L	3
BKHR3-24	1-1/2	L	3

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

004 / ICV - INLINE CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VU-04 / VU-06 / VU-08 / VU-12 / VU-16 / VU-20 / VU-24

ICV INLINE CHECK VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VU-04	1/4
VU-06	3/8

ICV INLINE CHECK VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VU-08	1/2
VU-12	3/4
VU-16	1
VU-20	1-1/4
VU-24	1-1/2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

005 / VMP - INLINE RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VMP-06 / VMP-08 / VMP-12 / VMP-16

VMP INLINE RELIEF VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VMP-06	3/8
VMP-08	1/2
VMP-12	3/4
VMP-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

006 / FMRV - FACE MOUNTED RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FMRV-08

[FMRV FACE MOUNTED RELIEF VALVE exact configuration](#)

Part code	Nominal connection size; thread system unspecified
FMRV-08	1/2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

007 / DCORV - DUAL CROSS OVER RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VAU-06 / VAU-08

[DCORV DUAL CROSS OVER RELIEF VALVE exact configuration](#)

Part code	Nominal connection size; thread system unspecified
VAU-06	3/8
VAU-08	1/2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

008 / VAUAC - DUAL CROSS RELIEF VALVE WITH ANTI-CAVITATION

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VAUAC-08 / VAUAC-12

VAUAC DUAL CROSS RELIEF VALVE WITH ANTI CAVITATION exact configuration

Part code	Nominal connection size; thread system unspecified
VAUAC-08	1/2
VAUAC-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

009 / VU2P - SHUTTLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VU2P-04 / VU2P-06 / VU2P-08 / VU2P-12

VU2P SHUTTLE VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VU2P-04	1/4
VU2P-06	3/8
VU2P-08	1/2
VU2P-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

010 / HBV - HOSE BRAKE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VUBA-04 / VUBA-06 / VUBA-08 / VUBA-12 / VUBA-16 / VUBAC-04 / VUBAC-06 / VUBAC-08 / VUBAC-12 / VUBAC-16 / VUBAS-04 / VUBAS-06 / VUBAS-08 / VUBAS-12 / VUBAS-16

HBV HOSE BRAKE VALVE exact configuration

Part code	Connection configuration	Construction	Nominal connection size; thread system unspecified
VUBAS-04	socket	Confirm	1/4
VUBAS-06	socket	Confirm	3/8
VUBAS-08	socket	Confirm	1/2
VUBAS-12	socket	Confirm	3/4
VUBAS-16	socket	Confirm	1
VUBA-04	male/female	Confirm	1/4
VUBA-06	male/female	Confirm	3/8
VUBA-08	male/female	Confirm	1/2
VUBA-12	male/female	Confirm	3/4
VUBA-16	male/female	Confirm	1
VUBAC-04	Confirm	cartridge	1/4
VUBAC-06	Confirm	cartridge	3/8
VUBAC-08	Confirm	cartridge	1/2
VUBAC-12	Confirm	cartridge	3/4
VUBAC-16	Confirm	cartridge	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

011 / VUI - INTEGRATED CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VUI-04 / VUI-06

VUI INTEGRATED CHECK VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VUI-04	1/4
VUI-06	3/8

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

012 / ESVNO - END STROKE VALVE NORMALLY OPEN

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: ESVNO-08

ESVNO END STROKE VALVE NORMALLY OPEN exact configuration

Part code	Nominal connection size; thread system unspecified	Normal state
ESVNO-08	1/2	open

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

013 / DF3 - DIVERTER VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DF3-06 / DF3-08 / DF3-12 / DF3-16

DF3 DIVERTER VALVE exact configuration

Part code	Nominal connection size; thread system unspecified	Valve ways
DF3-06	3/8	3

DF3 DIVERTER VALVE exact configuration

Part code	Nominal connection size; thread system unspecified	Valve ways
DF3-08	1/2	3
DF3-12	3/4	3
DF3-16	1	3

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

014 / UDNV - UNI-DIRECTIONAL NEEDLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDNV-02 / UDNV-04 / UDNV-06 / UDNV-08 / UDNV-12 / UDNV-16

UDNV UNI DIRECTIONAL NEEDLE VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
UDNV-04	1/4
UDNV-06	3/8
UDNV-08	1/2
UDNV-12	3/4
UDNV-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

015 / UDBV - UNI-DIRECTIONAL BARREL FLOW CONTROL VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDBV-04 / UDBV-06 / UDBV-08 / UDBV-12 / UDBV-16

UDBV UNI DIRECTIONAL BARREL FLOW CONTROL VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
UDBV-04	1/4
UDBV-06	3/8
UDBV-08	1/2
UDBV-12	3/4
UDBV-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

016 / UDNVCOMP - UNI-DIRECTIONAL NEEDLE VALVE - PRESSURE COMPENSATED

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDNV-04COMP / UDNV-06COMP / UDNV-08COMP

UDNVCOMP UNI DIRECTIONAL NEEDLE VALVE PRESSURE COMPENSATED exact configuration

Part code	Nominal connection size; thread system unspecified	Pressure compensated
UDNV-04COMP	1/4	Yes
UDNV-06COMP	3/8	Yes
UDNV-08COMP	1/2	Yes

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

017 / BDNV- BI-DIRECTIONAL NEEDLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: BDNV-04 / BDNV-06 / BDNV-08 / BDNV-12 / BDNV-16

BDNV BI DIRECTIONAL NEEDLE VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
BDNV-04	1/4
BDNV-06	3/8
BDNV-08	1/2
BDNV-12	3/4
BDNV-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

018 / VPR3 - 3 PORT FLOW CONTROL VALVE - ONGOING PRESSURE LINE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VPR3-06 / VPR3-08 / VPR3-12 / VPR3-16

VPR3 3 PORT FLOW CONTROL VALVE ONGOING PRESSURE LINE exact configuration

Part code	Nominal connection size; thread system unspecified
VPR3-06	3/8
VPR3-08	1/2

VPR3 3 PORT FLOW CONTROL VALVE ONGOING PRESSURE LINE exact configuration

Part code	Nominal connection size; thread system unspecified
VPR3-12	3/4
VPR3-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

019 / RFP3 - THREE PORT FLOW CONTROL VALVE - EXCESS TO TANK

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: RFP3-06 / RFP3-08 / RFP3-12 / RFP3-12VMP

RFP3 THREE PORT FLOW CONTROL VALVE EXCESS TO TANK exact configuration

Part code	Nominal connection size; thread system unspecified
RFP3-06	3/8
RFP3-08	1/2
RFP3-12	3/4
RFP3-12VMP	3/4

Hydraulic reservoir capacities and listed construction configurations. Capacity is the stated tank capacity, not a system oil-fill recommendation. Confirm usable volume, freeboard, mounting, dimensions, porting and fluid compatibility for the selected power pack.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

020 / VABP - TWO PUMP HI-LOW UNLOADING VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VABP-12

VABP TWO PUMP HI LOW UNLOADING VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
VABP-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

021 / DFL - FLOW DIVIDER

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DFL-06 / DFL-08 / DFL-12 / DFL-16

DFL FLOW DIVIDER exact configuration

Part code	Fixed split ratio	Nominal connection size; thread system unspecified	listed flow (L/min)
DFL-06	50:50	3/8	24.0
DFL-08	50:50	1/2	40.0
DFL-12	50:50	3/4	90.0
DFL-16	50:50	1	150.0

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

022 / DASV - DIRECT ACTING SEQUENCE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DASV-06 / DASV-08 / DASV-12

DASV DIRECT ACTING SEQUENCE VALVES exact configuration

Part code	Nominal connection size; thread system unspecified
DASV-06	3/8
DASV-08	1/2
DASV-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

023 / SOCV - SINGLE OVER CENTRE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: SOCV-04 / SOCV-06 / SOCV-08 / SOCV-12

SOCV SINGLE OVER CENTRE VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
SOCV-04	1/4
SOCV-06	3/8
SOCV-08	1/2
SOCV-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

024 / DOCV - DOUBLE OVER CENTRE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DOCV-06 / DOCV-08 / DOCV-12

DOCV DOUBLE OVER CENTRE VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
DOCV-06	3/8
DOCV-08	1/2
DOCV-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

025 / VBPSL - SINGLE PILOT OPERATED CHECK VALVE - 1 LINE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSL-04 / VBPSL-06 / VBPSL-08 / VBPSL-12

VBPSL SINGLE PILOT OPERATED CHECK VALVE 1 LINE exact configuration

Part code	Nominal connection size; thread system unspecified
VBPSL-04	1/4
VBPSL-06	3/8
VBPSL-08	1/2
VBPSL-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

026 / VBPSE - SINGLE PILOT OPERATED CHECK VALVE - 2 LINES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSE-04 / VBPSE-06 / VBPSE-08 / VBPSE-12

[VBPSE SINGLE PILOT OPERATED CHECK VALVE 2 LINES exact configuration](#)

Part code	Nominal connection size; thread system unspecified
VBPSE-04	1/4
VBPSE-06	3/8
VBPSE-08	1/2
VBPSE-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

027 / VBPSEMSO - SINGLE PILOT OPERATED CHECK VALVE WITH MANUAL SHUT OFF

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSE-06MSO / VBPSE-08MSO

[VBPSEMSO SINGLE PILOT OPERATED CHECK VALVE WITH MANUAL SHUT OFF exact configuration](#)

Part code	Nominal connection size; thread system unspecified
VBPSE-06MSO	3/8
VBPSE-08MSO	1/2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

028 / VBLSE - SINGLE PILOT OPERATED CHECK VALVE - HIGH PILOT

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBLSE-06

[VBLSE SINGLE PILOT OPERATED CHECK VALVE HIGH PILOT exact configuration](#)

Part code	Nominal connection size; thread system unspecified
VBLSE-06	3/8

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

029 / VBPDE - DOUBLE PILOT OPERATED CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPDE-06 / VBPDE-08 / VBPDE-12

[VBPDE DOUBLE PILOT OPERATED CHECK VALVE exact configuration](#)

Part code	Nominal connection size; thread system unspecified
VBPDE-06	3/8
VBPDE-08	1/2
VBPDE-12	3/4

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

030 / GGL - INLINE ROTATING COUPLINGS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: GGL-04 / GGL-06 / GGL-08 / GGL-12 / GGL-16 / GGL-20 / GGL-24 / GGL-32

GGL INLINE ROTATING COUPLINGS exact configuration

Part code	Nominal connection size; thread system unspecified
GGL-04	1/4
GGL-06	3/8
GGL-08	1/2
GGL-12	3/4
GGL-16	1
GGL-20	1-1/4
GGL-24	1-1/2
GGL-32	2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

031 / GGL90 - INLINE ROTATING COUPLINGS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: GGL90-04 / GGL90-06 / GGL90-08 / GGL90-12 / GGL90-16 / GGL90-20 / GGL90-24 / GGL90-32

GGL90 INLINE ROTATING COUPLINGS exact configuration

Part code	Angle deg (degrees)	Nominal connection size; thread system unspecified
GGL90-04	90	1/4
GGL90-06	90	3/8
GGL90-08	90	1/2

GGL90 INLINE ROTATING COUPLINGS exact configuration

Part code	Angle deg (degrees)	Nominal connection size; thread system unspecified
GGL90-12	90	3/4
GGL90-16	90	1
GGL90-20	90	1-1/4
GGL90-24	90	1-1/2
GGL90-32	90	2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

032 / 111 - LOW PRESSURE BALL VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: 111-06 / 111-10 / 111-15 / 111-20 / 111-25 / 111-32 / 111-40 / 111-50

111 LOW PRESSURE BALL VALVE exact configuration

Part code	Nominal connection size; thread system unspecified	Valve ways
111-06	1/4	2
111-10	3/8	2
111-15	1/2	2
111-20	3/4	2
111-25	1	2
111-32	1-1/4	2
111-40	1-1/2	2

111 LOW PRESSURE BALL VALVE exact configuration

Part code	Nominal connection size; thread system unspecified	Valve ways
111-50	2	2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

033 / MBV - MINI BALL VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: MBV-02 / MBV-04 / MBV-06 / MBV-08

MBV MINI BALL VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
MBV-02	1/8
MBV-04	1/4
MBV-06	3/8
MBV-08	1/2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

034 / NRVB - LOW PRESSURE CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: NRVB-06 / NRVB-08 / NRVB-12 / NRVB-16

NRVB LOW PRESSURE CHECK VALVE exact configuration

Part code	Nominal connection size; thread system unspecified
NRVB-06	3/8
NRVB-08	1/2
NRVB-12	3/4
NRVB-16	1

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

035 / 157 - LOW PRESSURE GATE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: 157-06 / 157-10 / 157-15 / 157-20 / 157-25 / 157-32 / 157-40 / 157-50

157 LOW PRESSURE GATE VALVE exact configuration

Part code	Body material	Nominal connection size; thread system unspecified
157-06	brass; grade not specified	1/4
157-10	brass; grade not specified	3/8
157-15	brass; grade not specified	1/2
157-20	brass; grade not specified	3/4
157-25	brass; grade not specified	1
157-32	brass; grade not specified	1-1/4
157-40	brass; grade not specified	1-1/2
157-50	brass; grade not specified	2

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

036 / FT3 - NG6 SOLENOID VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT3-115V / FT3-12V / FT3-230V / FT3-24V / FT3-ES-0C / FT3-ES-0ML / FT3-ES-1C / FT3-ES-1LL / FT3-ES-1ML / FT3-ES-2LL / FT3-ES-3C / FT3-ES-4C / FT3-ES-4ML

[FT3 NG6 SOLENOID VALVES exact configuration](#)

Part code	Centre function	Coil supply	Coil voltage v	Nominal size reference	Part type	Solenoid count	port function
FT3-ES-2LL	Confirm	Confirm	Confirm	NG6	directional valve body	1	P connected to A; B and T blocked
FT3-ES-1ML	closed	Confirm	Confirm	NG6	directional valve body	1	Confirm
FT3-ES-4ML	P-T open; A and B blocked	Confirm	Confirm	NG6	directional valve body	1	Confirm
FT3-ES-0C	open H	Confirm	Confirm	NG6	directional valve body	2	Confirm
FT3-12V	Confirm	DC	12.0	NG6	coil only	Confirm	Confirm
FT3-24V	Confirm	DC	24.0	NG6	coil only	Confirm	Confirm
FT3-115V	Confirm	AC	Confirm	NG6	coil only	Confirm	Confirm
FT3-230V	Confirm	AC	230.0	NG6	coil only	Confirm	Confirm

Directional-valve body and replacement-coil choices are identified as separate part types. Select the required spool function and nominal NG interface size. A coil code alone is not a complete valve. Confirm coil voltage, AC/DC supply, connector, duty, working pressure, flow and mounting dimensions. The 110/115 VAC voltage discrepancy is awaiting confirmation and is not treated as an exact rating.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

037 / FT3 - NG6 STACKABLE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT3-CO-AB / FT3-CO-B / FT3-CO-P / FT3-CP-A / FT3-CP-AB / FT3-CP-B / FT3-FC-A / FT3-FC-AB / FT3-FC-B / FT3-FX-A / FT3-FX-AB / FT3-FX-B / FT3-LSP3 / FT3-MO-P / FT3-MP-AB / FT3-MP-B / FT3-MP-BA / FT3-MP-P / FT3-RO-A / FT3-RO-B / FT3-RO-P

FT3 NG6 STACKABLE VALVES exact configuration

Part code	Nominal size reference	paths	Valve function
FT3-CP-A	NG6	A1→A	pilot-operated check
FT3-CP-B	NG6	B1→B	pilot-operated check
FT3-CP-AB	NG6	Confirm	Confirm
FT3-FX-A	NG6	A→A1	throttle check
FT3-FX-B	NG6	B→B1	throttle check
FT3-FC-A	NG6	A1→A	throttle check
FT3-FC-B	NG6	B1→B	throttle check
FT3-FC-AB	NG6	A1→A	throttle check
FT3-RO-A	NG6	Confirm	Confirm
FT3-RO-B	NG6	Confirm	Confirm
FT3-RO-P	NG6	Confirm	Confirm
FT3-MP-B	NG6	Confirm	Confirm
FT3-MP-BA	NG6	Confirm	Confirm
FT3-MP-AB	NG6	Confirm	Confirm
FT3-CO-AB	NG6	Confirm	Confirm
FT3-CO-B	NG6	Confirm	Confirm
FT3-MO-P	NG6	Confirm	Confirm
FT3-MP-P	NG6	Confirm	Confirm

Stackable valve functions and controlled flow paths for the listed NG interface size. Match A, B, P and T paths and any pilot/drain requirements to the complete manifold circuit. Confirm rated flow, working pressure, adjustment range and stack dimensions for the exact model.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

038 / FT3 - NG6 MANIFOLD BLOCKS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: MRSK3-06 / MRSK3-08VMP / NG6-2MAN / NG6-3MAN / NG6-4MAN

FT3 NG6 MANIFOLD BLOCKS exact configuration

Part code	Nominal size reference	Part type	Station count
NG6-4MAN	NG6	manifold	4

Manifold station-count and subplate choices for the indicated nominal interface size. Confirm the valve mounting pattern, port threads, pressure rating, material and full block dimensions. Nominal NG size and station count alone do not prove fit or capacity.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

039 / FT5 - NG10 SOLENOID VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT5-115V / FT5-12V / FT5-230V / FT5-24V / FT5-ES-0C / FT5-ES-0LL / FT5-ES-0ML / FT5-ES-1C / FT5-ES-1LL / FT5-ES-1ML / FT5-ES-2LL / FT5-ES-3C / FT5-ES-4C / FT5-ES-4ML

FT5 NG10 SOLENOID VALVES exact configuration

Part code	Centre function	Coil supply	Coil voltage v	Nominal size reference	Part type	Solenoid count
FT5-ES-0ML	open H	Confirm	Confirm	NG10	directional valve body	1
FT5-ES-1ML	closed	Confirm	Confirm	NG10	directional valve body	1
FT5-ES-4ML	P-T open; A and B blocked	Confirm	Confirm	NG10	directional valve body	1
FT5-ES-0C	open H	Confirm	Confirm	NG10	directional valve body	2
FT5-12V	Confirm	DC	12.0	NG10	coil only	Confirm
FT5-24V	Confirm	DC	24.0	NG10	coil only	Confirm
FT5-115V	Confirm	AC	Confirm	NG10	coil only	Confirm
FT5-230V	Confirm	AC	230.0	NG10	coil only	Confirm

Directional-valve body and replacement-coil choices are identified as separate part types. Select the required spool function and nominal NG interface size. A coil code alone is not a complete valve. Confirm coil voltage, AC/DC supply, connector, duty, working pressure, flow and mounting dimensions. The 110/115 VAC voltage discrepancy is awaiting confirmation and is not treated as an exact rating.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

040 / FT5 - NG10 STACKABLE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT5-CO-AB / FT5-CO-B / FT5-CO-P / FT5-CP-A / FT5-CP-AB / FT5-CP-B / FT5-FC-A / FT5-FC-AB / FT5-FC-B / FT5-FX-A / FT5-FX-AB / FT5-FX-B / FT5-MP-P

FT5 NG10 STACKABLE VALVES exact configuration

Part code	Nominal size reference	paths	Valve function
FT5-CP-A	NG10	A1→A	pilot-operated check
FT5-CP-B	NG10	B1→B	pilot-operated check
FT5-CP-AB	NG10	Confirm	Confirm
FT5-FX-A	NG10	A→A1	throttle check
FT5-FX-B	NG10	B→B1	throttle check
FT5-FX-AB	NG10	A→A1	throttle check
FT5-FC-A	NG10	A1→A	throttle check
FT5-FC-B	NG10	B1→B	throttle check
FT5-FC-AB	NG10	A1→A	throttle check
FT5-MP-P	NG10	Confirm	Confirm
FT5-CO-AB	NG10	Confirm	Confirm
FT5-CO-B	NG10	Confirm	Confirm
FT5-CO-P	NG10	Confirm	Confirm

Stackable valve functions and controlled flow paths for the listed NG interface size. Match A, B, P and T paths and any pilot/drain requirements to the complete manifold circuit. Confirm rated flow, working pressure, adjustment range and stack dimensions for the exact model.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

041 / FT5 - NG10 MANIFOLD BLOCKS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: MRSK5-08 / MRSK5-08VMP / MRSK5-12 / NG10-2MAN / NG10-3MAN / NG10-4MAN

FT5 NG10 MANIFOLD BLOCKS exact configuration

Part code	Nominal connection size; thread system unspecified	Nominal size reference	Part type	Station count
NG10-2MAN	Confirm	NG10	manifold	2
NG10-3MAN	Confirm	NG10	manifold	3
NG10-4MAN	Confirm	NG10	manifold	4
MRSK5-08	1/2	Confirm	single subplate	Confirm

Manifold station-count and subplate choices for the indicated nominal interface size. Confirm the valve mounting pattern, port threads, pressure rating, material and full block dimensions. Nominal NG size and station count alone do not prove fit or capacity.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

042 / Sectional Directional Valves

Configurable multi-function hydraulic control.

Ordering references: Q30-IN / Q30-STND / Q30-PR / Q30-OUT / Q50-IN / Q50-STND / Q50-PR / Q50-OUT / Q80-IN / Q80-STND / Q80-PR / Q80-OUT / Q130-IN / Q130-STND / Q130-PR / Q130-OUT

Sectional valve series components

Part code	Part type	Series	return port size inch	series flow l min (L/min)	work port size inch
Q30-IN	inlet section	Q30	1/2	40	3/8
Q30-STND	standard working section	Q30	1/2	40	3/8

Sectional valve series components

Part code	Part type	Series	return port size inch	series flow l min (L/min)	work port size inch
Q30-PR	port-relief working section	Q30	1/2	40	3/8
Q30-OUT	outlet section	Q30	1/2	40	3/8
Q50-IN	inlet section	Q50	1/2	60	1/2
Q50-STND	standard working section	Q50	1/2	60	1/2
Q50-PR	port-relief working section	Q50	1/2	60	1/2
Q50-OUT	outlet section	Q50	1/2	60	1/2
Q80-IN	inlet section	Q80	3/4	90	1/2
Q80-STND	standard working section	Q80	3/4	90	1/2
Q80-PR	port-relief working section	Q80	3/4	90	1/2
Q80-OUT	outlet section	Q80	3/4	90	1/2
Q130-IN	inlet section	Q130	1	150	1
Q130-STND	standard working section	Q130	1	150	1
Q130-PR	port-relief working section	Q130	1	150	1
Q130-OUT	outlet section	Q130	1	150	1

Inlet, working and outlet sections are separate components of each listed sectional-valve series. Series flow and port sizes describe the indicated configuration; they are not a rating of every possible assembled bank. Confirm spool functions, pressure, reliefs, tie rods, power-beyond arrangement and completed-bank dimensions.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

043 / Load-Sensing Valve Banks

Demand-led hydraulic control through an integrated valve bank.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

044 / Proportional Hydraulic Valves

Variable control of flow, direction or pressure.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

045 / Cartridge Valves & Manifolds

Integrated hydraulic control and compact circuit packaging.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

Filtration & Hydraulic Accessories

Filtration, cooling, accumulators and instrumentation for a complete hydraulic circuit.

001 / PL/T - LEVEL GAUGES

Select the required connection and configuration for your application.

Ordering references: PL76 / PL127 / PL255 / PLT76 / PLT127 / PLT255

PL/T LEVEL GAUGES exact configuration

Part code	Orientation	labelled size; drawing reference unspecified (mm)	Thermometer
PL76	vertical	76	No
PL127	vertical	127	No
PL255	vertical	255	No
PLT76	vertical	76	Yes
PLT127	vertical	127	Yes
PLT255	vertical	255	Yes

Vertical hydraulic-tank level indicators, with or without a thermometer. The listed size requires confirmation against mounting centres and overall dimensions. Confirm seals, tank-wall mounting, fluid and temperature requirements.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

002 / TLA - SIGHT GLASSES

Select the required connection and configuration for your application.

Family reference: PL127

Ordering references: TLA-04 / TLA-06 / TLA-08 / TLA-12 / TLA-16 / TLA-20

TLA SIGHT GLASSES exact configuration

Part code	Nominal connection size; thread system unspecified
TLA-04	1/4
TLA-06	3/8
TLA-08	1/2
TLA-12	3/4
TLA-16	1
TLA-20	1-1/4

Threaded tank sight-glass nominal connection choices. Confirm the exact thread, viewing material, seal, pressure and temperature requirements.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

003 / TCAR - FILLING PLUGS

Select the required connection and configuration for your application.

Ordering references: TCAR-46 / TCAR-80

TCAR FILLING PLUGS exact configuration

Part code	labelled size; drawing reference unspecified (mm)
TCAR-80	80
TCAR-46	46

Tank accessory choices with the listed connection or size. Confirm the thread or mounting dimensions, material, sealing and operating temperature. A magnetic filter rod is not assigned a micron-filtration rating by this table.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

004 / TCF - FILLING PLUG WITH BREATHER

Select the required connection and configuration for your application.

Ordering references: TCF-12

TCF FILLING PLUG WITH BREATHER exact configuration

Part code	Nominal connection size; thread system unspecified
TCF-12	3/4

Tank accessory choices with the listed connection or size. Confirm the thread or mounting dimensions, material, sealing and operating temperature. A magnetic filter rod is not assigned a micron-filtration rating by this table.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

005 / TSFO - BREATHER PLUGS

Select the required connection and configuration for your application.

Ordering references: TSFO-04 / TSFO-06 / TSFO-08 / TSFO-12 / TSFO-16

Breather Plug Connection Choices

Part code	Nominal connection size
TSFO-04	1/4
TSFO-06	3/8
TSFO-08	1/2
TSFO-12	3/4
TSFO-16	1

Exact breather-plug codes and their stated nominal connection sizes. Confirm the exact thread standard, material, sealing, filtration and pressure/temperature requirements. The nominal size does not establish a complete breather performance rating.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

006 / FMC - MAGNETIC FILTER ROD

Select the required connection and configuration for your application.

Ordering references: FMC-06 / FMC-08 / FMC-12

FMC MAGNETIC FILTER ROD exact configuration

Part code	Nominal connection size; thread system unspecified
FMC-06	3/8
FMC-08	1/2
FMC-12	3/4

Tank accessory choices with the listed connection or size. Confirm the thread or mounting dimensions, material, sealing and operating temperature. A magnetic filter rod is not assigned a micron-filtration rating by this table.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

007 / TANKS - FOR MINI POWERPACKS

Select the required connection and configuration for your application.

Ordering references: E60303006 / E60303011 / E60303012 / E60303015 / E60303048 / H60303025 / H60303033

TANKS FOR MINI POWERPACKS exact configuration

Part code	Orientation	labelled size; drawing reference unspecified (mm)	Tank capacity l	Tank material	Tank shape
E60303006	Confirm	Confirm	5	steel; grade unspecified	cylindrical
E60303011	Confirm	Confirm	10	steel; grade unspecified	cylindrical
E60303012	Confirm	Confirm	12	steel; grade unspecified	cylindrical
E60303015	vertical	Confirm	20	steel; grade unspecified	square
E60303048	vertical	Confirm	30	steel; grade unspecified	square
H60303025	Confirm	170	5	plastic; polymer unspecified	square

TANKS FOR MINI POWERPACKS exact configuration

Part code	Orientation	labelled size; drawing reference unspecified (mm)	Tank capacity l	Tank material	Tank shape
H60303033	Confirm	170	8	plastic; polymer unspecified	square

Hydraulic reservoir capacities and listed construction configurations. Capacity is the stated tank capacity, not a system oil-fill recommendation. Confirm usable volume, freeboard, mounting, dimensions, porting and fluid compatibility for the selected power pack.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

008 / RECTANGULAR TANKS

Select the required connection and configuration for your application.

Ordering references: 100ltr-esm / 10ltr-esm / 18ltr-esm / 25ltr-esm / 40ltr-esm / 60ltr-esm / 80ltr-esm

RECTANGULAR TANKS exact configuration

Part code	Tank capacity l	Tank shape
10ltr-esm	10	rectangular
18ltr-esm	18	rectangular
25ltr-esm	25	rectangular
40ltr-esm	40	rectangular
60ltr-esm	60	rectangular
80ltr-esm	80	rectangular
100ltr-esm	100	rectangular

Hydraulic reservoir capacities and listed construction configurations. Capacity is the stated tank capacity, not a system oil-fill recommendation. Confirm usable volume, freeboard, mounting, dimensions, porting and fluid compatibility for the selected power pack.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

009 / Hydraulic Filters & Elements

Suction, return and pressure-side fluid filtration.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

010 / Hydraulic Oil Coolers

Thermal management selected to the system heat load.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

011 / Hydraulic Accumulators

Energy storage and pressure stabilisation for engineered circuits.

Ordering references: RBH 010 / RBH 025 / RBH 040 / RBH 055 / RBH 100 / RBH 120 / RBH 160 / ACC HST035 / ACC HST07 / ACC HST13 / ACC 0.32LT / ACC 0.75LT / ACC 1.4LT / ACC 2.8LT / ACC HB1 / ACC HB1.5 / ACC HB2.5 / ACC HB4.5 / ACC HB6 / ACC HB10 / ACC-HB10/2 / ACC HB20 / ACC HB25 / ACC HB35 / ACC HB50 / ACC CLAMP 92MM / ACC CLAMP114MM / ACC CLAMP125MM / ACC CLAMP168MM / ACC CLAMP180MM / ACC CLAMP219MM / ACC CLAMP240MM / ACC CLAMP250MM

Piston accumulator exact capacities and dimensions

Part code	Accumulator type	Bore mm	Hydraulic connection	Length l mm	Nominal capacity l	Outside diameter mm
RBH 010	piston	125	3/4 NPT	230	1	145
RBH 025	piston	125	3/4 NPT	350	2.5	145
RBH 040	piston	125	3/4 NPT	475	4	145
RBH 055	piston	125	3/4 NPT	600	5.5	145
RBH 100	piston	125	3/4 NPT	965	10	145
RBH 120	piston	125	3/4 NPT	1125	12	145

Piston accumulator exact capacities and dimensions

Part code	Accumulator type	Bore mm	Hydraulic connection	Length l mm	Nominal capacity l	Outside diameter mm
RBH 160	piston	125	3/4 NPT	1450	16	145

Piston accumulator capacity and external dimensions for the exact model. The listed model table does not establish working pressure, temperature or seal material. Confirm these limits for the selected model; bladder-accumulator ratings do not apply to this piston range.

Diaphragm accumulator HST selection / column group 1 of 2

Part code	Accumulator type	Dimension b mm	Dimension c mm	Dimension d mm	Dimension h mm	Hydraulic connection	Mass kg	Max flow l min (L/min)	Max nitrogen precharge bar
ACC HST035	diaphragm	100	22	101	152	M18×1.5 female	4	50	210
ACC HST07	diaphragm	80	22	100	218	M18×1.5 female	5.5	55	210
ACC HST13	diaphragm	180	22	125	232	M18×1.5 female	8.2	55	210

Identifying columns are repeated. Read all column groups together for the complete row specification.

Diaphragm accumulator HST selection / column group 2 of 2

Part code	Max pressure bar	Nominal capacity l
ACC HST035	300	0.35
ACC HST07	300	0.7
ACC HST13	300	1.3

Identifying columns are repeated. Read all column groups together for the complete row specification.

Diaphragm accumulator capacities, labelled dimensions and model-specific flow limits. Listed maximum pressure 300 bar; maximum nitrogen precharge 210 bar for this selection. Maximum precharge is a design limit; operating precharge must suit the circuit. Confirm fluid, seals, temperature and mounting drawing. Dimensions are confirmed for the selected model.

Small diaphragm accumulator model limits

Part code	Accumulator type	Body diameter mm	Mass kg	Nominal capacity l	max compression ratio	pressure bar	Temperature max c (°C)	Temperature min c (°C)
ACC 0.32LT	small diaphragm	93	1.4	0.32	1:8	210	90	-20
ACC 0.75LT	small diaphragm	120	2.6	0.75	1:8	210	90	-20
ACC 1.4LT	small diaphragm	150	4.9	1.4	1:6	250	90	-20

Small diaphragm accumulator model limits

Part code	Accumulator type	Body diameter mm	Mass kg	Nominal capacity l	max compression ratio	pressure bar	Temperature max c (°C)	Temperature min c (°C)
ACC 2.8LT	small diaphragm	174	10.8	2.8	1:4	250	90	-20

Small diaphragm accumulator model-specific capacity, pressure and compression-ratio selections. Temperature range -20°C to +90°C for the listed family. Pressure and compression-ratio limits vary by model. Confirm the hydraulic and gas connections and the application precharge; ambiguous gas-thread notation is not published as a verified connection.

Bladder accumulator exact model specification / column group 1 of 2

Part code	Accumulator type	Body material	Dimension b mm	Dimension ch mm	Dimension d mm	Dimension h mm	Hydraulic connection	Mass kg	Max flow l min (L/min)
ACC HB1	bladder	forged steel; grade not stated	52	36	114	295	3/4 BSP female	4.5	220
ACC HB1.5	bladder	forged steel; grade not stated	52	36	114	357	3/4 BSP female	5.5	220
ACC HB2.5	bladder	forged steel; grade not stated	63	50	114	520	1-1/4 BSP female	12	220
ACC HB4.5	bladder	forged steel; grade not stated	63	50	168	410	1-1/4 BSP female	16	400
ACC HB6	bladder	forged steel; grade not stated	63	50	168	505	1-1/4 BSP female	19.5	350
ACC HB10	bladder	forged steel; grade not stated	63	50	168	775	1-1/4 BSP female	36	300
ACC-HB10/2	bladder	forged steel; grade not stated	100	70	223	550	2 BSP female	48	630
ACC HB20	bladder	forged steel; grade not stated	100	70	223	870	2 BSP female	53	600
ACC HB25	bladder	forged steel; grade not stated	100	70	223	1030	2 BSP female	62	570
ACC HB35	bladder	forged steel; grade not stated	100	70	223	1400	2 BSP female	84	540
ACC HB50	bladder	forged steel; grade not stated	100	70	223	1900	2 BSP female	115	500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Bladder accumulator exact model specification / column group 2 of 2

Part code	Max nitrogen precharge bar	Max pressure bar	nitrogen volume l	Temperature max c (°C)	Temperature min c (°C)
ACC HB1	230	350	1	80	-20
ACC HB1.5	230	350	1.5	80	-20

Bladder accumulator exact model specification / column group 2 of 2

Part code	Max nitrogen precharge bar	Max pressure bar	nitrogen volume l	Temperature max c (°C)	Temperature min c (°C)
ACC HB2.5	230	350	2.5	80	-20
ACC HB4.5	230	350	4	80	-20
ACC HB6	230	350	6	80	-20
ACC HB10	230	350	10	80	-20
ACC-HB10/2	230	350	10	80	-20
ACC HB20	230	350	18.5	80	-20
ACC HB25	230	350	24.9	80	-20
ACC HB35	230	350	33.5	80	-20
ACC HB50	230	350	49	80	-20

Identifying columns are repeated. Read all column groups together for the complete row specification.

Bladder accumulator gas volume, labelled dimensions, connection, flow and mass for each exact model. Standard listed selection: forged-steel body, 350 bar maximum pressure, 230 bar maximum nitrogen precharge and -20°C to +80°C. Maximum precharge is a design limit; operating precharge must suit the circuit. Material grade and standard bladder compound require confirmation; optional high-pressure or seal executions are separate configurations.

Accumulator mounting clamp labelled dimensions

Part code	Dimension a mm	Dimension b mm	Dimension h mm	Dimension i mm	Dimension p max mm	Dimension p mm	Dimension s max mm	Dimension s min mm	Part type
ACC CLAMP 92MM	156	50	9	17	136	100	101	92	accumulator clamp
ACC CLAMP114MM	156	50	9	17	136	100	117	109	accumulator clamp
ACC CLAMP125MM	156	50	9	17	136	100	126	117	accumulator clamp
ACC CLAMP168MM	156	50	9	17	136	100	169	158	accumulator clamp
ACC CLAMP180MM	156	50	9	17	136	100	194	180	accumulator clamp
ACC CLAMP219MM	156	50	9	17	136	100	222	209	accumulator clamp
ACC CLAMP240MM	156	50	9	17	136	100	246	235	accumulator clamp

Accumulator mounting clamp labelled dimensions

Part code	Dimension a mm	Dimension b mm	Dimension h mm	Dimension i mm	Dimension p max mm	Dimension p mm	Dimension s max mm	Dimension s min mm	Part type
ACC CLAMP250MM	156	50	9	17	136	100	259	248	accumulator clamp

Accumulator clamp size ranges and labelled mounting dimensions. Confirm the original mounting drawing, material, fasteners and supported load. The clamp code is a size identifier, not a pressure rating.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

012 / Pressure Gauges & Test Points

Pressure measurement and circuit diagnostic connections.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

013 / Hydraulic Spin-On Filters

Exact specified model selection; legacy and current codes remain separate.

Ordering references: SOF25MIC-12 / SOF10MIC-12 / SOF25MIC-20 / SOF10MIC-20

Hydraulic Spin-On Filters exact configurations

Part code	Nominal connection size; thread system unspecified	filtration size micron (µm)
SOF25MIC-12	3/4	25
SOF10MIC-12	3/4	10
SOF25MIC-20	1-1/4	25
SOF10MIC-20	1-1/4	10

Hydraulic filter connections and listed micron sizes. The micron figure is not identified as nominal or absolute and has no stated beta ratio. Confirm rated flow, pressure, bypass setting, element compatibility and mounting dimensions. Filtration size alone does not establish system cleanliness performance.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

014 / Hydraulic Suction Strainers

Exact specified model selection; legacy and current codes remain separate.

Ordering references: SSTR-08 / SSTR-12 / SSTR-16 / SSTR-20 / SSTR-24 / SSTR-32

Hydraulic Suction Strainers exact configurations

Part code	connection designation
SSTR-08	G 1/2
SSTR-12	G 3/4
SSTR-16	G 1
SSTR-20	G 1-1/4
SSTR-24	G 1-1/2
SSTR-32	G 2

Tank-mounted suction strainer connection selections. Confirm mesh or micron size, pressure drop, oil viscosity, allowable flow and tank installation dimensions. Connection size alone does not establish suction capacity.

Hydraulic Suction Strainers exact configurations - construction & conditions

Parameter	Specification
Mounting	tank mounted

Tank-mounted suction strainer connection selections. Confirm mesh or micron size, pressure drop, oil viscosity, allowable flow and tank installation dimensions. Connection size alone does not establish suction capacity.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

015 / Hydraulic Tank-Top Filters

Exact specified model selection; legacy and current codes remain separate.

Ordering references: TTF-08 / TTF-12 / TTF-16 / TTF-20

Hydraulic Tank-Top Filters exact configurations

Part code	connection designation	filtration size micron (µm)
TTF-08	G 1/2	10
TTF-12	G 3/4	10
TTF-16	G 1	10
TTF-20	G 1-1/4	10

Hydraulic filter connections and listed micron sizes. The micron figure is not identified as nominal or absolute and has no stated beta ratio. Confirm rated flow, pressure, bypass setting, element compatibility and mounting dimensions. Filtration size alone does not establish system cleanliness performance.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

Pneumatics & Plastic Tubing

Air preparation, pneumatic fittings, tubing and controls for compressed air systems.

001 / Pneumatic Tubing - Nylon & PU

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

Ordering references: NY4BLACK / NY6BLACK / NY8BLACK / NY10BLACK / NY12BLACK / PU4CLEAR / PU6CLEAR / PU8CLEAR / PU10CLEAR / PU12CLEAR / PU4BLACK / PU6BLACK / PU8BLACK / PU10BLACK / PU12BLACK / PU4BLUE / PU6BLUE / PU8BLUE / PU10BLUE / PU12BLUE / PU14BLUE / PU16BLUE

[pneumatic tubing exact dimensions](#)

Part code	Colour	Material	Tube id mm	Tube od mm
NY4BLACK	black	nylon	2.0	4.0
NY6BLACK	black	nylon	4.0	6.0
NY8BLACK	black	nylon	6.0	8.0
NY10BLACK	black	nylon	8.0	10.0
NY12BLACK	black	nylon	9.0	12.0
PU4CLEAR	clear	polyurethane	2.5	4.0
PU6CLEAR	clear	polyurethane	4.0	6.0
PU8CLEAR	clear	polyurethane	5.0	8.0
PU10CLEAR	clear	polyurethane	6.5	10.0
PU12CLEAR	clear	polyurethane	8.0	12.0
PU4BLACK	black	polyurethane	2.5	4.0
PU6BLACK	black	polyurethane	4.0	6.0
PU8BLACK	black	polyurethane	5.0	8.0
PU10BLACK	black	polyurethane	6.5	10.0

pneumatic tubing exact dimensions

Part code	Colour	Material	Tube id mm	Tube od mm
PU12BLACK	black	polyurethane	8.0	12.0
PU4BLUE	blue	polyurethane	2.5	4.0
PU6BLUE	blue	polyurethane	4.0	6.0
PU8BLUE	blue	polyurethane	5.0	8.0
PU10BLUE	blue	polyurethane	6.5	10.0
PU12BLUE	blue	polyurethane	8.0	12.0
PU14BLUE	blue	polyurethane	10.0	14.0
PU16BLUE	blue	polyurethane	12.0	16.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
NY4BLACK	4 × 2 mm nylon pneumatic tube - black	nylon	4.0 mm	Confirm for this configuration
NY6BLACK	6 × 4 mm nylon pneumatic tube - black	nylon	6.0 mm	Confirm for this configuration
NY8BLACK	8 × 6 mm nylon pneumatic tube - black	nylon	8.0 mm	Confirm for this configuration
NY10BLACK	10 × 8 mm nylon pneumatic tube - black	nylon	10.0 mm	Confirm for this configuration
NY12BLACK	12 × 9 mm nylon pneumatic tube - black	nylon	12.0 mm	Confirm for this configuration
PU4CLEAR	4 × 2.5 mm polyurethane pneumatic tube - clear	polyurethane	4.0 mm	Confirm for this configuration
PU6CLEAR	6 × 4 mm polyurethane pneumatic tube - clear	polyurethane	6.0 mm	Confirm for this configuration
PU8CLEAR	8 × 5 mm polyurethane pneumatic tube - clear	polyurethane	8.0 mm	Confirm for this configuration
PU10CLEAR	10 × 6.5 mm polyurethane pneumatic tube - clear	polyurethane	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PU12CLEAR	12 × 8 mm polyurethane pneumatic tube - clear	polyurethane	12.0 mm	Confirm for this configuration
PU4BLACK	4 × 2.5 mm polyurethane pneumatic tube - black	polyurethane	4.0 mm	Confirm for this configuration
PU6BLACK	6 × 4 mm polyurethane pneumatic tube - black	polyurethane	6.0 mm	Confirm for this configuration
PU8BLACK	8 × 5 mm polyurethane pneumatic tube - black	polyurethane	8.0 mm	Confirm for this configuration
PU10BLACK	10 × 6.5 mm polyurethane pneumatic tube - black	polyurethane	10.0 mm	Confirm for this configuration
PU12BLACK	12 × 8 mm polyurethane pneumatic tube - black	polyurethane	12.0 mm	Confirm for this configuration
PU4BLUE	4 × 2.5 mm polyurethane pneumatic tube - blue	polyurethane	4.0 mm	Confirm for this configuration
PU6BLUE	6 × 4 mm polyurethane pneumatic tube - blue	polyurethane	6.0 mm	Confirm for this configuration
PU8BLUE	8 × 5 mm polyurethane pneumatic tube - blue	polyurethane	8.0 mm	Confirm for this configuration
PU10BLUE	10 × 6.5 mm polyurethane pneumatic tube - blue	polyurethane	10.0 mm	Confirm for this configuration
PU12BLUE	12 × 8 mm polyurethane pneumatic tube - blue	polyurethane	12.0 mm	Confirm for this configuration
PU14BLUE	14 × 10 mm polyurethane pneumatic tube - blue	polyurethane	14.0 mm	Confirm for this configuration
PU16BLUE	16 × 12 mm polyurethane pneumatic tube - blue	polyurethane	16.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

002 / Pneumatic Silencers

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

Ordering references: BESL-01 / BESL-02 / BESL-03 / BESL-04 / BESL-06 / BESL-08 / K-BSL-01 / K-BSL-02 / K-BSL-03 / K-BSL-04 / K-BSL-06 / K-BSL-10 / K-BSL-M5 / K-BSLM-01 / K-BSLM-02 / K-BSLM-03 / K-BSLM-04 / K-BSLM-06 / K-BSLM-10 / K-SU-01 / K-SU-02 / K-SU-03 / K-SU-04

pneumatic silencers exact dimensions

Part code	Material	Metric thread	Thread reference	Thread size inch
BESL-01	brass	Confirm	BSP (as listed; confirm form)	1/8
BESL-02	brass	Confirm	BSP (as listed; confirm form)	1/4
BESL-03	brass	Confirm	BSP (as listed; confirm form)	3/8
BESL-04	brass	Confirm	BSP (as listed; confirm form)	1/2
BESL-06	brass	Confirm	BSP (as listed; confirm form)	3/4
BESL-08	brass	Confirm	BSP (as listed; confirm form)	1
K-BSL-01	brass	Confirm	BSP (as listed; confirm form)	1/8
K-BSL-02	brass	Confirm	BSP (as listed; confirm form)	1/4
K-BSL-03	brass	Confirm	BSP (as listed; confirm form)	3/8
K-BSL-04	brass	Confirm	BSP (as listed; confirm form)	1/2
K-BSL-06	brass	Confirm	BSP (as listed; confirm form)	3/4
K-BSL-10	brass	Confirm	BSP (as listed; confirm form)	1
K-BSL-M5	brass	M5	Confirm	Confirm
K-BSLM-01	brass	Confirm	BSP (as listed; confirm form)	1/8
K-BSLM-02	brass	Confirm	BSP (as listed; confirm form)	1/4
K-BSLM-03	brass	Confirm	BSP (as listed; confirm form)	3/8
K-BSLM-04	brass	Confirm	BSP (as listed; confirm form)	1/2
K-BSLM-06	brass	Confirm	BSP (as listed; confirm form)	3/4
K-BSLM-10	brass	Confirm	BSP (as listed; confirm form)	1
K-SU-01	plastic; resin not specified	Confirm	Confirm	Confirm
K-SU-02	plastic; resin not specified	Confirm	Confirm	Confirm

pneumatic silencers exact dimensions

Part code	Material	Metric thread	Thread reference	Thread size inch
K-SU-03	plastic; resin not specified	Confirm	Confirm	Confirm
K-SU-04	plastic; resin not specified	Confirm	Confirm	Confirm

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
BESL-01	brass adjustable exhaust silencer × 1/8 in thread	brass	See configuration	Confirm for this configuration
BESL-02	brass adjustable exhaust silencer × 1/4 in thread	brass	See configuration	Confirm for this configuration
BESL-03	brass adjustable exhaust silencer × 3/8 in thread	brass	See configuration	Confirm for this configuration
BESL-04	brass adjustable exhaust silencer × 1/2 in thread	brass	See configuration	Confirm for this configuration
BESL-06	brass adjustable exhaust silencer × 3/4 in thread	brass	See configuration	Confirm for this configuration
BESL-08	brass adjustable exhaust silencer × 1 in thread	brass	See configuration	Confirm for this configuration
K-BSL-01	brass conical exhaust silencer × 1/8 in thread	brass	See configuration	Confirm for this configuration
K-BSL-02	brass conical exhaust silencer × 1/4 in thread	brass	See configuration	Confirm for this configuration
K-BSL-03	brass conical exhaust silencer × 3/8 in thread	brass	See configuration	Confirm for this configuration
K-BSL-04	brass conical exhaust silencer × 1/2 in thread	brass	See configuration	Confirm for this configuration
K-BSL-06	brass conical exhaust silencer × 3/4 in thread	brass	See configuration	Confirm for this configuration
K-BSL-10	brass conical exhaust silencer × 1 in thread	brass	See configuration	Confirm for this configuration
K-BSL-M5	brass conical exhaust silencer × M5	brass	See configuration	Confirm for this configuration
K-BSLM-01	brass flat exhaust silencer × 1/8 in thread	brass	See configuration	Confirm for this configuration
K-BSLM-02	brass flat exhaust silencer × 1/4 in thread	brass	See configuration	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
K-BSLM-03	brass flat exhaust silencer × 3/8 in thread	brass	See configuration	Confirm for this configuration
K-BSLM-04	brass flat exhaust silencer × 1/2 in thread	brass	See configuration	Confirm for this configuration
K-BSLM-06	brass flat exhaust silencer × 3/4 in thread	brass	See configuration	Confirm for this configuration
K-BSLM-10	brass flat exhaust silencer × 1 in thread	brass	See configuration	Confirm for this configuration
K-SU-01	plastic exhaust silencer	plastic; resin not specified	See configuration	Confirm for this configuration
K-SU-02	plastic exhaust silencer	plastic; resin not specified	See configuration	Confirm for this configuration
K-SU-03	plastic exhaust silencer	plastic; resin not specified	See configuration	Confirm for this configuration
K-SU-04	plastic exhaust silencer	plastic; resin not specified	See configuration	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

003 / Metal Pneumatic Push-In Fittings

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

metal push in fittings exact dimensions

Part code	Construction material	Metric thread	Thread reference	Thread size inch	Tube od mm
MPU4	metal; grade not specified	Confirm	Confirm	Confirm	4.0
MPU6	metal; grade not specified	Confirm	Confirm	Confirm	6.0
MPU8	metal; grade not specified	Confirm	Confirm	Confirm	8.0
MPU10	metal; grade not specified	Confirm	Confirm	Confirm	10.0

metal push in fittings exact dimensions

Part code	Construction material	Metric thread	Thread reference	Thread size inch	Tube od mm
MPU12	metal; grade not specified	Confirm	Confirm	Confirm	12.0
MPUL04	metal; grade not specified	Confirm	Confirm	Confirm	4.0
MPUL06	metal; grade not specified	Confirm	Confirm	Confirm	6.0
MPUL08	metal; grade not specified	Confirm	Confirm	Confirm	8.0
MPUL10	metal; grade not specified	Confirm	Confirm	Confirm	10.0
MPUL12	metal; grade not specified	Confirm	Confirm	Confirm	12.0
MPUT04	metal; grade not specified	Confirm	Confirm	Confirm	4.0
MPUT06	metal; grade not specified	Confirm	Confirm	Confirm	6.0
MPUT08	metal; grade not specified	Confirm	Confirm	Confirm	8.0
MPUT10	metal; grade not specified	Confirm	Confirm	Confirm	10.0
MPUT12	metal; grade not specified	Confirm	Confirm	Confirm	12.0
MPZA04	metal; grade not specified	Confirm	Confirm	Confirm	4.0
MPZA06	metal; grade not specified	Confirm	Confirm	Confirm	6.0
MPZA08	metal; grade not specified	Confirm	Confirm	Confirm	8.0
MPZA10	metal; grade not specified	Confirm	Confirm	Confirm	10.0
MPZA12	metal; grade not specified	Confirm	Confirm	Confirm	12.0
MPC04-G01	metal; grade not specified	Confirm	BSP (as listed; confirm form)	1/8	4.0
MPC04-G02	metal; grade not specified	Confirm	BSP (as listed; confirm form)	1/4	4.0
MPC04-M5	metal; grade not specified	M5	Confirm	Confirm	4.0
MPC04-M8	metal; grade not specified	M8	Confirm	Confirm	4.0
MPC06-01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	6.0

metal push in fittings exact dimensions

Part code	Construction material	Metric thread	Thread reference	Thread size inch	Tube od mm
MPC06-02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	6.0
MPC06-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	6.0
MPC06-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	6.0
MPC06-M5	metal; grade not specified	M5	Confirm	Confirm	6.0
MPC08-01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	8.0
MPC08-02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	8.0
MPC08-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	8.0
MPC08-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	8.0
MPC10-01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	10.0
MPC10-02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	10.0
MPC10-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	10.0
MPC10-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	10.0
MPC12-01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	12.0
MPC12-02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	12.0
MPC12-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	12.0
MPC12-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	12.0
MPC14-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	14.0
MPC14-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	14.0
MPC16-03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	16.0
MPC16-04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	16.0
MPL04-G01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	4.0

metal push in fittings exact dimensions

Part code	Construction material	Metric thread	Thread reference	Thread size inch	Tube od mm
MPL04-G02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	4.0
MPL04-M5	metal; grade not specified	M5	Confirm	Confirm	4.0
MPL06-G01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	6.0
MPL06-G02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	6.0
MPL06-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	6.0
MPL06-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	6.0
MPL06-M5	metal; grade not specified	M5	Confirm	Confirm	6.0
MPL08-G01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	8.0
MPL08-G02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	8.0
MPL08-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	8.0
MPL08-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	8.0
MPL10-G01	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/8	10.0
MPL10-G02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	10.0
MPL10-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	10.0
MPL10-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	10.0
MPL12-G02	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/4	12.0
MPL12-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	12.0
MPL12-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	12.0
MPL14-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	14.0
MPL14-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	14.0
MPL16-G03	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	3/8	16.0

metal push in fittings exact dimensions

Part code	Construction material	Metric thread	Thread reference	Thread size inch	Tube od mm
MPL16-G04	metal; grade not specified	Confirm	BSPT (as listed; confirm form)	1/2	16.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
MPU4	4 mm metal pneumatic union	Confirm with quotation	4.0 mm	Confirm for this configuration
MPU6	6 mm metal pneumatic union	Confirm with quotation	6.0 mm	Confirm for this configuration
MPU8	8 mm metal pneumatic union	Confirm with quotation	8.0 mm	Confirm for this configuration
MPU10	10 mm metal pneumatic union	Confirm with quotation	10.0 mm	Confirm for this configuration
MPU12	12 mm metal pneumatic union	Confirm with quotation	12.0 mm	Confirm for this configuration
MPUL04	4 mm metal pneumatic elbow	Confirm with quotation	4.0 mm	Confirm for this configuration
MPUL06	6 mm metal pneumatic elbow	Confirm with quotation	6.0 mm	Confirm for this configuration
MPUL08	8 mm metal pneumatic elbow	Confirm with quotation	8.0 mm	Confirm for this configuration
MPUL10	10 mm metal pneumatic elbow	Confirm with quotation	10.0 mm	Confirm for this configuration
MPUL12	12 mm metal pneumatic elbow	Confirm with quotation	12.0 mm	Confirm for this configuration
MPUT04	4 mm metal pneumatic tee	Confirm with quotation	4.0 mm	Confirm for this configuration
MPUT06	6 mm metal pneumatic tee	Confirm with quotation	6.0 mm	Confirm for this configuration
MPUT08	8 mm metal pneumatic tee	Confirm with quotation	8.0 mm	Confirm for this configuration
MPUT10	10 mm metal pneumatic tee	Confirm with quotation	10.0 mm	Confirm for this configuration
MPUT12	12 mm metal pneumatic tee	Confirm with quotation	12.0 mm	Confirm for this configuration
MPZA04	4 mm metal pneumatic cross	Confirm with quotation	4.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
MPZA06	6 mm metal pneumatic cross	Confirm with quotation	6.0 mm	Confirm for this configuration
MPZA08	8 mm metal pneumatic cross	Confirm with quotation	8.0 mm	Confirm for this configuration
MPZA10	10 mm metal pneumatic cross	Confirm with quotation	10.0 mm	Confirm for this configuration
MPZA12	12 mm metal pneumatic cross	Confirm with quotation	12.0 mm	Confirm for this configuration
MPC04-G01	4 mm metal male pneumatic connector × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
MPC04-G02	4 mm metal male pneumatic connector × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
MPC04-M5	4 mm metal male pneumatic connector × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
MPC04-M8	4 mm metal male pneumatic connector × M8	Confirm with quotation	4.0 mm	Confirm for this configuration
MPC06-01	6 mm metal male pneumatic connector × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPC06-02	6 mm metal male pneumatic connector × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPC06-03	6 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPC06-04	6 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPC06-M5	6 mm metal male pneumatic connector × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
MPC08-01	8 mm metal male pneumatic connector × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPC08-02	8 mm metal male pneumatic connector × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPC08-03	8 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPC08-04	8 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPC10-01	10 mm metal male pneumatic connector × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPC10-02	10 mm metal male pneumatic connector × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPC10-03	10 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPC10-04	10 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
MPC12-01	12 mm metal male pneumatic connector × 1/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPC12-02	12 mm metal male pneumatic connector × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPC12-03	12 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPC12-04	12 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPC14-03	14 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
MPC14-04	14 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
MPC16-03	16 mm metal male pneumatic connector × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
MPC16-04	16 mm metal male pneumatic connector × 1/2 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
MPL04-G01	4 mm metal male pneumatic elbow × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
MPL04-G02	4 mm metal male pneumatic elbow × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
MPL04-M5	4 mm metal male pneumatic elbow × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
MPL06-G01	6 mm metal male pneumatic elbow × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPL06-G02	6 mm metal male pneumatic elbow × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPL06-G03	6 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPL06-G04	6 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
MPL06-M5	6 mm metal male pneumatic elbow × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
MPL08-G01	8 mm metal male pneumatic elbow × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPL08-G02	8 mm metal male pneumatic elbow × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPL08-G03	8 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPL08-G04	8 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
MPL10-G01	10 mm metal male pneumatic elbow × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
MPL10-G02	10 mm metal male pneumatic elbow × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPL10-G03	10 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPL10-G04	10 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
MPL12-G02	12 mm metal male pneumatic elbow × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPL12-G03	12 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPL12-G04	12 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
MPL14-G03	14 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
MPL14-G04	14 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
MPL16-G03	16 mm metal male pneumatic elbow × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
MPL16-G04	16 mm metal male pneumatic elbow × 1/2 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Ordering references / complete index

MPU4 / MPU6 / MPU8 / MPU10 / MPU12 / MPUL04 / MPUL06 / MPUL08 / MPUL10 / MPUL12 / MPUT04 / MPUT06 / MPUT08 / MPUT10 / MPUT12 / MPZA04 / MPZA06 / MPZA08 / MPZA10 / MPZA12 / MPC04-G01 / MPC04-G02 / MPC04-M5 / MPC04-M8 / MPC06-01 / MPC06-02 / MPC06-03 / MPC06-04 / MPC06-M5 / MPC08-01 / MPC08-02 / MPC08-03 / MPC08-04 / MPC10-01 / MPC10-02 / MPC10-03 / MPC10-04 / MPC12-01 / MPC12-02 / MPC12-03 / MPC12-04 / MPC14-03 / MPC14-04 / MPC16-03 / MPC16-04 / MPL04-G01 / MPL04-G02 / MPL04-M5 / MPL06-G01 / MPL06-G02 / MPL06-G03 / MPL06-G04 / MPL06-M5 / MPL08-G01 / MPL08-G02 / MPL08-G03 / MPL08-G04 / MPL10-G01 / MPL10-G02 / MPL10-G03 / MPL10-G04 / MPL12-G02 / MPL12-G03 / MPL12-G04 / MPL14-G03 / MPL14-G04 / MPL16-G03 / MPL16-G04

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

004 / Pneumatic Push-In Fittings

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PUC4	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PUC6	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PUC8	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PUC10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PUC12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PUC14	Confirm	Confirm	Confirm	Confirm	Confirm	14.0
PUC16	Confirm	Confirm	Confirm	Confirm	Confirm	16.0
PG06-04	Confirm	Confirm	Confirm	Confirm	4.0	6.0
PG8-6	Confirm	Confirm	Confirm	Confirm	6.0	8.0
PG10-6	Confirm	Confirm	Confirm	Confirm	6.0	10.0
PG10-8	Confirm	Confirm	Confirm	Confirm	8.0	10.0
PG12-8	Confirm	Confirm	Confirm	Confirm	8.0	12.0
PG12-10	Confirm	Confirm	Confirm	Confirm	10.0	12.0
PG16-12	Confirm	Confirm	Confirm	Confirm	12.0	16.0
PUT4	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PUT6	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PUT8	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PUT10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PUT12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PUT14	Confirm	Confirm	Confirm	Confirm	Confirm	14.0
PUT15	Confirm	Confirm	Confirm	Confirm	Confirm	15.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PUT16	Confirm	Confirm	Confirm	Confirm	Confirm	16.0
PUT-06-04	Confirm	Confirm	Confirm	Confirm	4.0	6.0
PUT-08-04	Confirm	Confirm	Confirm	Confirm	4.0	8.0
PUT-08-06	Confirm	Confirm	Confirm	Confirm	6.0	8.0
PUT10-06	Confirm	Confirm	Confirm	Confirm	6.0	10.0
PUT-10-08	Confirm	Confirm	Confirm	Confirm	8.0	10.0
PUT12-08	Confirm	Confirm	Confirm	Confirm	8.0	12.0
PUT12-10	Confirm	Confirm	Confirm	Confirm	10.0	12.0
PY04	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PY06	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PY08	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PY10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PY12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PY14	Confirm	Confirm	Confirm	Confirm	Confirm	14.0
PY16	Confirm	Confirm	Confirm	Confirm	Confirm	16.0
PZA04	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PZA06	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PZA08	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PZA10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PZA12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PV04	Confirm	Confirm	Confirm	Confirm	Confirm	4.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PV06	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PV08	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PV10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PV12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PV14	Confirm	Confirm	Confirm	Confirm	Confirm	14.0
PV16	Confirm	Confirm	Confirm	Confirm	Confirm	16.0
PGJ6-4	Confirm	4.0	Confirm	Confirm	Confirm	6.0
PGJ8-4	Confirm	4.0	Confirm	Confirm	Confirm	8.0
PGJ8-6	Confirm	6.0	Confirm	Confirm	Confirm	8.0
PGJ10-6	Confirm	6.0	Confirm	Confirm	Confirm	10.0
PGJ10-8	Confirm	8.0	Confirm	Confirm	Confirm	10.0
PGJ12-06	Confirm	6.0	Confirm	Confirm	Confirm	12.0
PGJ12-08	Confirm	8.0	Confirm	Confirm	Confirm	12.0
PGJ12-10	Confirm	10.0	Confirm	Confirm	Confirm	12.0
PP4	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PP6	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PP8	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PP10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PP12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PCF4-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	4.0
PCF4-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	4.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PCF04-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PCF6-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	6.0
PCF6-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	6.0
PCF06-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PCF8-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	8.0
PCF8-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	8.0
PCF10-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	10.0
PCF10-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	10.0
PCF12-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	12.0
PCF12-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	12.0
PCF12-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	12.0
PC4-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	4.0
PC4-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	4.0
PC4-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PC6-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	6.0
PC6-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	6.0
PC6-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	6.0
PC6-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	6.0
PC6-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PC8-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	8.0
PC8-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	8.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PC8-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	8.0
PC8-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	8.0
PC10-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	10.0
PC10-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	10.0
PC10-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	10.0
PC10-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	10.0
PC12-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	12.0
PC12-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	12.0
PC12-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	12.0
PC12-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	12.0
PC14-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	14.0
PC14-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	14.0
PC16-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	16.0
PC16-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	16.0
PL4-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	4.0
PL4-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	4.0
PL4-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PL6-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	6.0
PL6-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	6.0
PL6-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	6.0
PL6-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	6.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PL6-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PL8-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	8.0
PL8-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	8.0
PL8-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	8.0
PL8-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	8.0
PL10-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	10.0
PL10-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	10.0
PL10-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	10.0
PL10-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	10.0
PL12-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	12.0
PL12-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	12.0
PL12-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	12.0
PL14-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	14.0
PL14-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	14.0
PL16-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	16.0
PL16-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	16.0
PB04-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	4.0
PB04-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	4.0
PB04-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PB06-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	6.0
PB06-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	6.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PB06-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	6.0
PB06-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PB08-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	8.0
PB08-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	8.0
PB08-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	8.0
PB10-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	10.0
PB10-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	10.0
PB10-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	10.0
PB12-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	12.0
PB12-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	12.0
PB12-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	12.0
PB14-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	14.0
PB16-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	16.0
PT4-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	4.0
PT4-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	4.0
PT04-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PT6-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	6.0
PT6-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	6.0
PT6-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	6.0
PT06-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PT8-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	8.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PT8-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	8.0
PT8-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	8.0
PT10-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	10.0
PT10-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	10.0
PT10-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	10.0
PT12-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	12.0
PT12-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	12.0
PT12-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	12.0
PT14-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	14.0
PT16-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	16.0
PX04-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	4.0
PX04-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	4.0
PX04-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PX06-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	6.0
PX06-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	6.0
PX06-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	6.0
PX06-04	Confirm	Confirm	BSPT (as listed; confirm form)	1/2	Confirm	6.0
PX06-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PX08-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	8.0
PX08-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	8.0
PX08-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	8.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PX08-04	Confirm	Confirm	BSPT (as listed; confirm form)	1/2	Confirm	8.0
PX10-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	10.0
PX10-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	10.0
PX10-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	10.0
PX10-04	Confirm	Confirm	BSPT (as listed; confirm form)	1/2	Confirm	10.0
PX12-01	Confirm	Confirm	BSPT (as listed; confirm form)	1/8	Confirm	12.0
PX12-02	Confirm	Confirm	BSPT (as listed; confirm form)	1/4	Confirm	12.0
PX12-03	Confirm	Confirm	BSPT (as listed; confirm form)	3/8	Confirm	12.0
PX12-04	Confirm	Confirm	BSPT (as listed; confirm form)	1/2	Confirm	12.0
PH04-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	4.0
PH04-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	4.0
PH04-M5	M5	Confirm	Confirm	Confirm	Confirm	4.0
PH06-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	6.0
PH06-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	6.0
PH06-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	6.0
PH06-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	6.0
PH06-M5	M5	Confirm	Confirm	Confirm	Confirm	6.0
PH08-01	Confirm	Confirm	BSP (as listed; confirm form)	1/8	Confirm	8.0
PH08-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	8.0
PH08-03	Confirm	Confirm	BSP (as listed; confirm form)	3/8	Confirm	8.0
PH08-04	Confirm	Confirm	BSP (as listed; confirm form)	1/2	Confirm	8.0

push in fittings exact dimensions

Part code	Metric thread	Stem od mm	Thread reference	Thread size inch	Tube od 2 mm	Tube od mm
PH10-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	10.0
PH12-02	Confirm	Confirm	BSP (as listed; confirm form)	1/4	Confirm	12.0
PM04	Confirm	Confirm	Confirm	Confirm	Confirm	4.0
PM06	Confirm	Confirm	Confirm	Confirm	Confirm	6.0
PM08	Confirm	Confirm	Confirm	Confirm	Confirm	8.0
PM10	Confirm	Confirm	Confirm	Confirm	Confirm	10.0
PM12	Confirm	Confirm	Confirm	Confirm	Confirm	12.0
PM14	Confirm	Confirm	Confirm	Confirm	Confirm	14.0
PM16	Confirm	Confirm	Confirm	Confirm	Confirm	16.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PUC4	4 mm pneumatic union	Confirm with quotation	4.0 mm	Confirm for this configuration
PUC6	6 mm pneumatic union	Confirm with quotation	6.0 mm	Confirm for this configuration
PUC8	8 mm pneumatic union	Confirm with quotation	8.0 mm	Confirm for this configuration
PUC10	10 mm pneumatic union	Confirm with quotation	10.0 mm	Confirm for this configuration
PUC12	12 mm pneumatic union	Confirm with quotation	12.0 mm	Confirm for this configuration
PUC14	14 mm pneumatic union	Confirm with quotation	14.0 mm	Confirm for this configuration
PUC16	16 mm pneumatic union	Confirm with quotation	16.0 mm	Confirm for this configuration
PG06-04	6 × 4 mm pneumatic reducing union	Confirm with quotation	6.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PG8-6	8 × 6 mm pneumatic reducing union	Confirm with quotation	8.0 mm	Confirm for this configuration
PG10-6	10 × 6 mm pneumatic reducing union	Confirm with quotation	10.0 mm	Confirm for this configuration
PG10-8	10 × 8 mm pneumatic reducing union	Confirm with quotation	10.0 mm	Confirm for this configuration
PG12-8	12 × 8 mm pneumatic reducing union	Confirm with quotation	12.0 mm	Confirm for this configuration
PG12-10	12 × 10 mm pneumatic reducing union	Confirm with quotation	12.0 mm	Confirm for this configuration
PG16-12	16 × 12 mm pneumatic reducing union	Confirm with quotation	16.0 mm	Confirm for this configuration
PUT4	4 mm pneumatic tee	Confirm with quotation	4.0 mm	Confirm for this configuration
PUT6	6 mm pneumatic tee	Confirm with quotation	6.0 mm	Confirm for this configuration
PUT8	8 mm pneumatic tee	Confirm with quotation	8.0 mm	Confirm for this configuration
PUT10	10 mm pneumatic tee	Confirm with quotation	10.0 mm	Confirm for this configuration
PUT12	12 mm pneumatic tee	Confirm with quotation	12.0 mm	Confirm for this configuration
PUT14	14 mm pneumatic tee	Confirm with quotation	14.0 mm	Confirm for this configuration
PUT15	15 mm pneumatic tee	Confirm with quotation	15.0 mm	Confirm for this configuration
PUT16	16 mm pneumatic tee	Confirm with quotation	16.0 mm	Confirm for this configuration
PUT-06-04	6 × 4 mm reducing pneumatic tee	Confirm with quotation	6.0 mm	Confirm for this configuration
PUT-08-04	8 × 4 mm reducing pneumatic tee	Confirm with quotation	8.0 mm	Confirm for this configuration
PUT-08-06	8 × 6 mm reducing pneumatic tee	Confirm with quotation	8.0 mm	Confirm for this configuration
PUT10-06	10 × 6 mm reducing pneumatic tee	Confirm with quotation	10.0 mm	Confirm for this configuration
PUT-10-08	10 × 8 mm reducing pneumatic tee	Confirm with quotation	10.0 mm	Confirm for this configuration
PUT12-08	12 × 8 mm reducing pneumatic tee	Confirm with quotation	12.0 mm	Confirm for this configuration
PUT12-10	12 × 10 mm reducing pneumatic tee	Confirm with quotation	12.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PY04	4 mm pneumatic Y connector	Confirm with quotation	4.0 mm	Confirm for this configuration
PY06	6 mm pneumatic Y connector	Confirm with quotation	6.0 mm	Confirm for this configuration
PY08	8 mm pneumatic Y connector	Confirm with quotation	8.0 mm	Confirm for this configuration
PY10	10 mm pneumatic Y connector	Confirm with quotation	10.0 mm	Confirm for this configuration
PY12	12 mm pneumatic Y connector	Confirm with quotation	12.0 mm	Confirm for this configuration
PY14	14 mm pneumatic Y connector	Confirm with quotation	14.0 mm	Confirm for this configuration
PY16	16 mm pneumatic Y connector	Confirm with quotation	16.0 mm	Confirm for this configuration
PZA04	4 mm pneumatic cross	Confirm with quotation	4.0 mm	Confirm for this configuration
PZA06	6 mm pneumatic cross	Confirm with quotation	6.0 mm	Confirm for this configuration
PZA08	8 mm pneumatic cross	Confirm with quotation	8.0 mm	Confirm for this configuration
PZA10	10 mm pneumatic cross	Confirm with quotation	10.0 mm	Confirm for this configuration
PZA12	12 mm pneumatic cross	Confirm with quotation	12.0 mm	Confirm for this configuration
PV04	4 mm pneumatic elbow	Confirm with quotation	4.0 mm	Confirm for this configuration
PV06	6 mm pneumatic elbow	Confirm with quotation	6.0 mm	Confirm for this configuration
PV08	8 mm pneumatic elbow	Confirm with quotation	8.0 mm	Confirm for this configuration
PV10	10 mm pneumatic elbow	Confirm with quotation	10.0 mm	Confirm for this configuration
PV12	12 mm pneumatic elbow	Confirm with quotation	12.0 mm	Confirm for this configuration
PV14	14 mm pneumatic elbow	Confirm with quotation	14.0 mm	Confirm for this configuration
PV16	16 mm pneumatic elbow	Confirm with quotation	16.0 mm	Confirm for this configuration
PGJ6-4	6 × 4 mm pneumatic stem reducer	Confirm with quotation	6.0 mm	Confirm for this configuration
PGJ8-4	8 × 4 mm pneumatic stem reducer	Confirm with quotation	8.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PGJ8-6	8 × 6 mm pneumatic stem reducer	Confirm with quotation	8.0 mm	Confirm for this configuration
PGJ10-6	10 × 6 mm pneumatic stem reducer	Confirm with quotation	10.0 mm	Confirm for this configuration
PGJ10-8	10 × 8 mm pneumatic stem reducer	Confirm with quotation	10.0 mm	Confirm for this configuration
PGJ12-06	12 × 6 mm pneumatic stem reducer	Confirm with quotation	12.0 mm	Confirm for this configuration
PGJ12-08	12 × 8 mm pneumatic stem reducer	Confirm with quotation	12.0 mm	Confirm for this configuration
PGJ12-10	12 × 10 mm pneumatic stem reducer	Confirm with quotation	12.0 mm	Confirm for this configuration
PP4	4 mm pneumatic tube plug	Confirm with quotation	4.0 mm	Confirm for this configuration
PP6	6 mm pneumatic tube plug	Confirm with quotation	6.0 mm	Confirm for this configuration
PP8	8 mm pneumatic tube plug	Confirm with quotation	8.0 mm	Confirm for this configuration
PP10	10 mm pneumatic tube plug	Confirm with quotation	10.0 mm	Confirm for this configuration
PP12	12 mm pneumatic tube plug	Confirm with quotation	12.0 mm	Confirm for this configuration
PCF4-01	4 mm female pneumatic connector × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PCF4-02	4 mm female pneumatic connector × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PCF04-M5	4 mm female pneumatic connector × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PCF6-01	6 mm female pneumatic connector × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PCF6-02	6 mm female pneumatic connector × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PCF06-M5	6 mm female pneumatic connector × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PCF8-01	8 mm female pneumatic connector × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PCF8-02	8 mm female pneumatic connector × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PCF10-02	10 mm female pneumatic connector × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PCF10-03	10 mm female pneumatic connector × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PCF12-02	12 mm female pneumatic connector × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PCF12-03	12 mm female pneumatic connector × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PCF12-04	12 mm female pneumatic connector × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PC4-01	4 mm male pneumatic connector × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PC4-02	4 mm male pneumatic connector × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PC4-M5	4 mm male pneumatic connector × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PC6-01	6 mm male pneumatic connector × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PC6-02	6 mm male pneumatic connector × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PC6-03	6 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PC6-04	6 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PC6-M5	6 mm male pneumatic connector × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PC8-01	8 mm male pneumatic connector × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PC8-02	8 mm male pneumatic connector × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PC8-03	8 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PC8-04	8 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PC10-01	10 mm male pneumatic connector × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PC10-02	10 mm male pneumatic connector × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PC10-03	10 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PC10-04	10 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PC12-01	12 mm male pneumatic connector × 1/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PC12-02	12 mm male pneumatic connector × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PC12-03	12 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PC12-04	12 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PC14-03	14 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PC14-04	14 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PC16-03	16 mm male pneumatic connector × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PC16-04	16 mm male pneumatic connector × 1/2 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PL4-01	4 mm swivel male pneumatic elbow × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PL4-02	4 mm swivel male pneumatic elbow × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PL4-M5	4 mm swivel male pneumatic elbow × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PL6-01	6 mm swivel male pneumatic elbow × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PL6-02	6 mm swivel male pneumatic elbow × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PL6-03	6 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PL6-04	6 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PL6-M5	6 mm swivel male pneumatic elbow × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PL8-01	8 mm swivel male pneumatic elbow × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PL8-02	8 mm swivel male pneumatic elbow × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PL8-03	8 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PL8-04	8 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PL10-01	10 mm swivel male pneumatic elbow × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PL10-02	10 mm swivel male pneumatic elbow × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PL10-03	10 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PL10-04	10 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PL12-02	12 mm swivel male pneumatic elbow × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PL12-03	12 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PL12-04	12 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PL14-03	14 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PL14-04	14 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PL16-03	16 mm swivel male pneumatic elbow × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PL16-04	16 mm swivel male pneumatic elbow × 1/2 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PB04-01	4 mm male branch tee × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PB04-02	4 mm male branch tee × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PB04-M5	4 mm male branch tee × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PB06-01	6 mm male branch tee × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PB06-02	6 mm male branch tee × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PB06-03	6 mm male branch tee × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PB06-M5	6 mm male branch tee × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PB08-01	8 mm male branch tee × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PB08-02	8 mm male branch tee × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PB08-03	8 mm male branch tee × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PB10-01	10 mm male branch tee × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PB10-02	10 mm male branch tee × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PB10-03	10 mm male branch tee × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PB12-01	12 mm male branch tee × 1/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PB12-02	12 mm male branch tee × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PB12-03	12 mm male branch tee × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PB14-03	14 mm male branch tee × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PB16-03	16 mm male branch tee × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PT4-01	4 mm male run tee × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PT4-02	4 mm male run tee × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PT04-M5	4 mm male run tee × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PT6-01	6 mm male run tee × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PT6-02	6 mm male run tee × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PT6-03	6 mm male run tee × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PT06-M5	6 mm male run tee × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PT8-01	8 mm male run tee × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PT8-02	8 mm male run tee × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PT8-03	8 mm male run tee × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PT10-01	10 mm male run tee × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PT10-02	10 mm male run tee × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PT10-03	10 mm male run tee × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PT12-01	12 mm male run tee × 1/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PT12-02	12 mm male run tee × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PT12-03	12 mm male run tee × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PT14-03	14 mm male run tee × 3/8 in thread	Confirm with quotation	14.0 mm	Confirm for this configuration
PT16-03	16 mm male run tee × 3/8 in thread	Confirm with quotation	16.0 mm	Confirm for this configuration
PX04-01	4 mm male Y connector × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PX04-02	4 mm male Y connector × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PX04-M5	4 mm male Y connector × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PX06-01	6 mm male Y connector × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PX06-02	6 mm male Y connector × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PX06-03	6 mm male Y connector × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PX06-04	6 mm male Y connector × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PX06-M5	6 mm male Y connector × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PX08-01	8 mm male Y connector × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PX08-02	8 mm male Y connector × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PX08-03	8 mm male Y connector × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PX08-04	8 mm male Y connector × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PX10-01	10 mm male Y connector × 1/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PX10-02	10 mm male Y connector × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PX10-03	10 mm male Y connector × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PX10-04	10 mm male Y connector × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PX12-01	12 mm male Y connector × 1/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PX12-02	12 mm male Y connector × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PX12-03	12 mm male Y connector × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PX12-04	12 mm male Y connector × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PH04-01	4 mm pneumatic banjo connector × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PH04-02	4 mm pneumatic banjo connector × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
PH04-M5	4 mm pneumatic banjo connector × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
PH06-01	6 mm pneumatic banjo connector × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PH06-02	6 mm pneumatic banjo connector × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PH06-03	6 mm pneumatic banjo connector × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PH06-04	6 mm pneumatic banjo connector × 1/2 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PH06-M5	6 mm pneumatic banjo connector × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
PH08-01	8 mm pneumatic banjo connector × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PH08-02	8 mm pneumatic banjo connector × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PH08-03	8 mm pneumatic banjo connector × 3/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PH08-04	8 mm pneumatic banjo connector × 1/2 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
PH10-02	10 mm pneumatic banjo connector × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
PH12-02	12 mm pneumatic banjo connector × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
PM04	4 mm pneumatic bulkhead union	Confirm with quotation	4.0 mm	Confirm for this configuration
PM06	6 mm pneumatic bulkhead union	Confirm with quotation	6.0 mm	Confirm for this configuration
PM08	8 mm pneumatic bulkhead union	Confirm with quotation	8.0 mm	Confirm for this configuration
PM10	10 mm pneumatic bulkhead union	Confirm with quotation	10.0 mm	Confirm for this configuration
PM12	12 mm pneumatic bulkhead union	Confirm with quotation	12.0 mm	Confirm for this configuration
PM14	14 mm pneumatic bulkhead union	Confirm with quotation	14.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PM16	16 mm pneumatic bulkhead union	Confirm with quotation	16.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Ordering references / complete index

PUC4 / PUC6 / PUC8 / PUC10 / PUC12 / PUC14 / PUC16 / PG06-04 / PG8-6 / PG10-6 / PG10-8 / PG12-8 / PG12-10 / PG16-12 / PUT4 / PUT6 / PUT8 / PUT10 / PUT12 / PUT14 / PUT15 / PUT16 / PUT-06-04 / PUT-08-04 / PUT-08-06 / PUT10-06 / PUT-10-08 / PUT12-08 / PUT12-10 / PY04 / PY06 / PY08 / PY10 / PY12 / PY14 / PY16 / PZA04 / PZA06 / PZA08 / PZA10 / PZA12 / PV04 / PV06 / PV08 / PV10 / PV12 / PV14 / PV16 / PGJ6-4 / PGJ8-4 / PGJ8-6 / PGJ10-6 / PGJ10-8 / PGJ12-06 / PGJ12-08 / PGJ12-10 / PP4 / PP6 / PP8 / PP10 / PP12 / PCF4-01 / PCF4-02 / PCF04-M5 / PCF6-01 / PCF6-02 / PCF06-M5 / PCF8-01 / PCF8-02 / PCF10-02 / PCF10-03 / PCF12-02 / PCF12-03 / PCF12-04 / PC4-01 / PC4-02 / PC4-M5 / PC6-01 / PC6-02 / PC6-03 / PC6-04 / PC6-M5 / PC8-01 / PC8-02 / PC8-03 / PC8-04 / PC10-01 / PC10-02 / PC10-03 / PC10-04 / PC12-01 / PC12-02 / PC12-03 / PC12-04 / PC14-03 / PC14-04 / PC16-03 / PC16-04 / PL4-01 / PL4-02 / PL4-M5 / PL6-01 / PL6-02 / PL6-03 / PL6-04 / PL6-M5 / PL8-01 / PL8-02 / PL8-03 / PL8-04 / PL10-01 / PL10-02 / PL10-03 / PL10-04 / PL12-02 / PL12-03 / PL12-04 / PL14-03 / PL14-04 / PL16-03 / PL16-04 / PB04-01 / PB04-02 / PB04-M5 / PB06-01 / PB06-02 / PB06-03 / PB06-M5 / PB08-01 / PB08-02 / PB08-03 / PB10-01 / PB10-02 / PB10-03 / PB12-01 / PB12-02 / PB12-03 / PB14-03 / PB16-03 / PT4-01 / PT4-02 / PT04-M5 / PT6-01 / PT6-02 / PT6-03 / PT06-M5 / PT8-01 / PT8-02 / PT8-03 / PT10-01 / PT10-02 / PT10-03 / PT12-01 / PT12-02 / PT12-03 / PT14-03 / PT16-03 / PX04-01 / PX04-02 / PX04-M5 / PX06-01 / PX06-02 / PX06-03 / PX06-04 / PX06-M5 / PX08-01 / PX08-02 / PX08-03 / PX08-04 / PX10-01 / PX10-02 / PX10-03 / PX10-04 / PX12-01 / PX12-02 / PX12-03 / PX12-04 / PH04-01 / PH04-02 / PH04-M5 / PH06-01 / PH06-02 / PH06-03 / PH06-04 / PH06-M5 / PH08-01 / PH08-02 / PH08-03 / PH08-04 / PH10-02 / PH12-02 / PM04 / PM06 / PM08 / PM10 / PM12 / PM14 / PM16

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

005 / Pneumatic Flow Controls

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

Ordering references: NSE4-01 / NSE4-02 / NSE4-M5 / NSE6-01 / NSE6-02 / NSE6-M5 / NSE8-01 / NSE8-02 / NSE10-02 / NSE10-03 / NSE10-04 / NSE12-02 / NSE12-03 / NSE12-04 / NSF4 / NSF6 / NSF8 / NSF10 / NSF12

pneumatic flow control exact dimensions

Part code	Metric thread	Thread reference	Thread size inch	Tube od mm
NSE4-01	Confirm	BSP (as listed; confirm form)	1/8	4.0
NSE4-02	Confirm	BSP (as listed; confirm form)	1/4	4.0
NSE4-M5	M5	Confirm	Confirm	4.0
NSE6-01	Confirm	BSP (as listed; confirm form)	1/8	6.0

pneumatic flow control exact dimensions

Part code	Metric thread	Thread reference	Thread size inch	Tube od mm
NSE6-02	Confirm	BSP (as listed; confirm form)	1/4	6.0
NSE6-M5	M5	Confirm	Confirm	6.0
NSE8-01	Confirm	BSP (as listed; confirm form)	1/8	8.0
NSE8-02	Confirm	BSP (as listed; confirm form)	1/4	8.0
NSE10-02	Confirm	BSP (as listed; confirm form)	1/4	10.0
NSE10-03	Confirm	BSP (as listed; confirm form)	3/8	10.0
NSE10-04	Confirm	BSP (as listed; confirm form)	1/2	10.0
NSE12-02	Confirm	BSP (as listed; confirm form)	1/4	12.0
NSE12-03	Confirm	BSP (as listed; confirm form)	3/8	12.0
NSE12-04	Confirm	BSP (as listed; confirm form)	1/2	12.0
NSF4	Confirm	Confirm	Confirm	4.0
NSF6	Confirm	Confirm	Confirm	6.0
NSF8	Confirm	Confirm	Confirm	8.0
NSF10	Confirm	Confirm	Confirm	10.0
NSF12	Confirm	Confirm	Confirm	12.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
NSE4-01	4 mm banjo pneumatic flow controller × 1/8 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration
NSE4-02	4 mm banjo pneumatic flow controller × 1/4 in thread	Confirm with quotation	4.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
NSE4-M5	4 mm banjo pneumatic flow controller × M5	Confirm with quotation	4.0 mm	Confirm for this configuration
NSE6-01	6 mm banjo pneumatic flow controller × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
NSE6-02	6 mm banjo pneumatic flow controller × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
NSE6-M5	6 mm banjo pneumatic flow controller × M5	Confirm with quotation	6.0 mm	Confirm for this configuration
NSE8-01	8 mm banjo pneumatic flow controller × 1/8 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
NSE8-02	8 mm banjo pneumatic flow controller × 1/4 in thread	Confirm with quotation	8.0 mm	Confirm for this configuration
NSE10-02	10 mm banjo pneumatic flow controller × 1/4 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
NSE10-03	10 mm banjo pneumatic flow controller × 3/8 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
NSE10-04	10 mm banjo pneumatic flow controller × 1/2 in thread	Confirm with quotation	10.0 mm	Confirm for this configuration
NSE12-02	12 mm banjo pneumatic flow controller × 1/4 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
NSE12-03	12 mm banjo pneumatic flow controller × 3/8 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
NSE12-04	12 mm banjo pneumatic flow controller × 1/2 in thread	Confirm with quotation	12.0 mm	Confirm for this configuration
NSF4	4 mm inline pneumatic flow controller	Confirm with quotation	4.0 mm	Confirm for this configuration
NSF6	6 mm inline pneumatic flow controller	Confirm with quotation	6.0 mm	Confirm for this configuration
NSF8	8 mm inline pneumatic flow controller	Confirm with quotation	8.0 mm	Confirm for this configuration
NSF10	10 mm inline pneumatic flow controller	Confirm with quotation	10.0 mm	Confirm for this configuration
NSF12	12 mm inline pneumatic flow controller	Confirm with quotation	12.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

006 / Pneumatic Directional Valves

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

Ordering references: HVFF04 / HVFF06 / HVFF08 / HVFF10 / HVFF12

pneumatic valves exact dimensions

Part code	Tube od mm
HVFF04	4.0
HVFF06	6.0
HVFF08	8.0
HVFF10	10.0
HVFF12	12.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
HVFF04	4 mm pneumatic shut-off valve	Confirm with quotation	4.0 mm	Confirm for this configuration
HVFF06	6 mm pneumatic shut-off valve	Confirm with quotation	6.0 mm	Confirm for this configuration
HVFF08	8 mm pneumatic shut-off valve	Confirm with quotation	8.0 mm	Confirm for this configuration
HVFF10	10 mm pneumatic shut-off valve	Confirm with quotation	10.0 mm	Confirm for this configuration
HVFF12	12 mm pneumatic shut-off valve	Confirm with quotation	12.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

007 / Pneumatic Manifolds

Compressed-air components selected to the tube size, connection, function and operating conditions.

Application: Application-led selection for the specified operating conditions.

Ordering references: PK4 / PK6 / PK8 / PK10 / PK12 / PKB06-01 / PKB06-02 / PKB06-03

pneumatic manifolds exact dimensions

Part code	Thread reference	Thread size inch	Tube od mm
PK4	Confirm	Confirm	4.0
PK6	Confirm	Confirm	6.0
PK8	Confirm	Confirm	8.0
PK10	Confirm	Confirm	10.0
PK12	Confirm	Confirm	12.0
PKB06-01	BSP (as listed; confirm form)	1/8	6.0
PKB06-02	BSP (as listed; confirm form)	1/4	6.0
PKB06-03	BSP (as listed; confirm form)	3/8	6.0

Exact pneumatic fitting configurations with the listed tube and connection dimensions. Match tube outside diameter, thread type and connection form. Pressure, temperature, seal compatibility and tube material require confirmation for the exact fitting; no universal pneumatic operating rating is stated by this dimensional table.

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PK4	4 mm pneumatic tube manifold	Confirm with quotation	4.0 mm	Confirm for this configuration
PK6	6 mm pneumatic tube manifold	Confirm with quotation	6.0 mm	Confirm for this configuration
PK8	8 mm pneumatic tube manifold	Confirm with quotation	8.0 mm	Confirm for this configuration
PK10	10 mm pneumatic tube manifold	Confirm with quotation	10.0 mm	Confirm for this configuration
PK12	12 mm pneumatic tube manifold	Confirm with quotation	12.0 mm	Confirm for this configuration

Ordering configurations

Part code	Configuration	Material	Nominal size	Listed pressure (bar)
PKB06-01	6 mm male-threaded pneumatic manifold × 1/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PKB06-02	6 mm male-threaded pneumatic manifold × 1/4 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration
PKB06-03	6 mm male-threaded pneumatic manifold × 3/8 in thread	Confirm with quotation	6.0 mm	Confirm for this configuration

Pressure values, where given, apply only to the listed configuration and its specified operating conditions. Confirm the complete assembly, temperature and conveyed medium. Dust closures require explicit pressure-service approval.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

008 / Air Preparation & Regulators

Compressed-air filtration, pressure regulation and lubrication.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

009 / Pneumatic Quick Couplings

Matched compressed-air quick connection systems.

Application & quotation checklist

Tube size or connection thread; Air pressure and operating conditions; Function, material and actuation method; Required dimensions and quantity

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

Assembly & Workshop Equipment

Hose assembly equipment, testing accessories and workshop essentials.

001 / D20 Electric Crimper

Assembly equipment selected to the hose range, tooling and workshop requirements.

Ordering references: d20

D20 Electric Crimper Catalogue Configuration / column group 1 of 4

Part code	Additional opening mm	Control	Crimp diameter max mm	Crimp diameter min mm	Die series	Gross mass kg	Hose construction reference	Machine height mm
d20	25	semi-automatic	61	10	D20	227	4SH	1340

Identifying columns are repeated. Read all column groups together for the complete row specification.

D20 Electric Crimper Catalogue Configuration / column group 2 of 4

Part code	Machine length mm	Machine width mm	Master die diameter mm	Master die length mm	Max crimping force kn	Max hose id inch	Max opening without dies mm	Model reference
d20	840	600	84	80	1370	1-1/2	109	D20

Identifying columns are repeated. Read all column groups together for the complete row specification.

D20 Electric Crimper Catalogue Configuration / column group 3 of 4

Part code	Motor power kw	Net mass kg	Oil tank capacity l	Package height mm	Package length mm	Package width mm	Single phase voltage options v	crimps per hour options (assemblies/hour (reference))
d20	3	204	32	890	925	765	110 / 115 / 220 / 230 / 240	600 / 850

Identifying columns are repeated. Read all column groups together for the complete row specification.

D20 Electric Crimper Catalogue Configuration / column group 4 of 4

Part code	cycle time 10mm s	Three phase voltage options v
d20	3.6	200 / 220 / 380 / 440

Identifying columns are repeated. Read all column groups together for the complete row specification.

Dimensions and operating capability for the specified machine build. Specifications describe the selected machine configuration. Confirm the supplied revision, base/stand, electrical drive, dies, opening geometry and installation dimensions with the quotation. Cycle times and hourly outputs are listed reference figures, not a guaranteed production rate for every hose assembly. Machine force and hose-type capacity do not establish an approved crimp setting for a hose/fitting combination.

Application & quotation checklist

Hose and fitting range; Required assembly capacity; Power supply and operating location; Tooling, testing and support requirements

002 / D32 Electric Crimper

Assembly equipment selected to the hose range, tooling and workshop requirements.

Ordering references: d32

D32 Electric Crimper Catalogue Configuration / column group 1 of 4

Part code	Additional opening mm	Control	Crimp diameter max mm	Crimp diameter min mm	Die series	Gross mass kg	Hose construction reference	Machine height mm
d32	33	semi-automatic	87	10	D32	310	4SH	1340

Identifying columns are repeated. Read all column groups together for the complete row specification.

D32 Electric Crimper Catalogue Configuration / column group 2 of 4

Part code	Machine length mm	Machine width mm	Master die diameter mm	Master die length mm	Max crimping force kn	Max hose id inch	Max opening without dies mm	Model reference
d32	840	600	99	80	2000	2	132	D32

Identifying columns are repeated. Read all column groups together for the complete row specification.

D32 Electric Crimper Catalogue Configuration / column group 3 of 4

Part code	Motor power kw options	Net mass kg	Oil tank capacity l	Package height mm	Package length mm	Package width mm	Single phase voltage options v	crimps per hour options (assemblies/hour (reference))
d32	3.7 / 4	286	42	890	925	765	220 / 230 / 240	700 / 850

Identifying columns are repeated. Read all column groups together for the complete row specification.

D32 Electric Crimper Catalogue Configuration / column group 4 of 4

Part code	cycle time 10mm options s	Three phase voltage options v
d32	3.3 / 5.5	200 / 220 / 380 / 440

Identifying columns are repeated. Read all column groups together for the complete row specification.

Dimensions and operating capability for the specified machine build. Specifications describe the selected machine configuration. Confirm the supplied revision, base/stand, electrical drive, dies, opening geometry and installation dimensions with the quotation. Cycle times and hourly outputs are listed reference figures, not a guaranteed production rate for every hose assembly. Machine force and hose-type capacity do not establish an approved crimp setting for a hose/fitting combination.

Application & quotation checklist

Hose and fitting range; Required assembly capacity; Power supply and operating location; Tooling, testing and support requirements

003 / D16 Hand Crimper

Assembly equipment selected to the hose range, tooling and workshop requirements.

Ordering references: d16hc

D16HC Hand Crimper Specifications / column group 1 of 2

Part code	Crimp diameter max mm	Crimp diameter min mm	Drive	Hose construction reference	Max crimping force kn	Max hose id inch	Max machine circuit pressure bar	Model reference
d16hc	45	4	hand pump	2SN	955	1	700	D16HC

Identifying columns are repeated. Read all column groups together for the complete row specification.

D16HC Hand Crimper Specifications / column group 2 of 2

Part code	Net mass excluding oil kg	max opening mm	Standard die set count
d16hc	25	20	6

Identifying columns are repeated. Read all column groups together for the complete row specification.

Hand-operated hose crimper configuration. The pressure figure is the machine hydraulic-circuit limit, not the working pressure of a finished hose assembly. Confirm the supplied model revision, pump, dies, hose construction and fittings. Use the approved hose/fitting crimp specification; diameter range alone does not qualify every assembly.

Application & quotation checklist

Hose and fitting range; Required assembly capacity; Power supply and operating location; Tooling, testing and support requirements

004 / D20 Hand Crimper

Assembly equipment selected to the hose range, tooling and workshop requirements.

Ordering references: d20hc

D20HC Hand Crimper Specifications / column group 1 of 2

Part code	Control	Crimp diameter max mm	Crimp diameter min mm	Drive	Machine height mm	Machine length mm	Machine width mm	Master die length mm	Master die opening mm
d20hc	micrometer	61	6	hand pump	340	285	210	66	85

Identifying columns are repeated. Read all column groups together for the complete row specification.

D20HC Hand Crimper Specifications / column group 2 of 2

Part code	Max crimping force kn	Max machine circuit pressure bar	Max opening expression	Model reference	Net mass excluding oil kg	max hose size options	Standard die set count
d20hc	1100	300	die diameter +10mm	D20HC	29	1 inch 4SP / 1-1/4 inch 2SN	5

Identifying columns are repeated. Read all column groups together for the complete row specification.

Hand-operated hose crimper configuration. The pressure figure is the machine hydraulic-circuit limit, not the working pressure of a finished hose assembly. Confirm the supplied model revision, pump, dies, hose construction and fittings. Use the approved hose/fitting crimp specification; diameter range alone does not qualify every assembly.

Application & quotation checklist

Hose and fitting range; Required assembly capacity; Power supply and operating location; Tooling, testing and support requirements