TECHNICAL CATALOGUE

Hydraulic Hose & Protection

Product specifications, dimensions and ordering configurations

28 October 2026

Product families: 40

Product, pattern & size references: 272

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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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
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 Sleeving

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