COUPLINGS & CLAMPS

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 (cm^3)	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
4050-05F	38	Confirm	L2 + L3 - 17.3	36	451	0.012	150	110

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)
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
Finish	Zn-Fe (Cr III)

Flat coupling exact-part specifications - construction & conditions

Parameter	Specification
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

Request a quotation

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

Ratings apply only to the specified product and configuration. Confirm fluid compatibility, temperature, pressure transients, installation and complete assembly suitability. Ordering references do not establish interchangeability.