

COUPLINGS & CLAMPS

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
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

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)
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
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

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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.