



Series KL



Technical chart | Quick coupling systems

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar		Q [m³/h] air 6 bar, 20 °C, Δp = 1 bar		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	PA resp. POM coupled
6	1.00	0.73	14.28	10.43	50.61	36.94	12 / 174
12	3.10	2.32	44.27	33.13	156.88	117.41	10 / 145
30	30.46	23.30	435.00	332.75	1,541.48	1,179.14	10 / 145

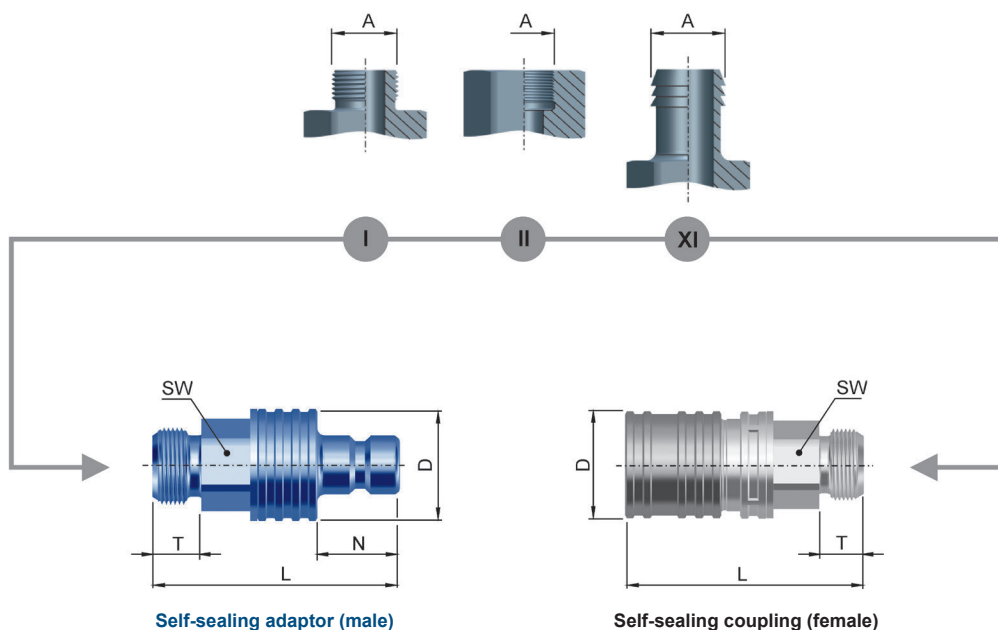
One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

Stated maximum permissible operating pressures (p max. permissible static) only apply to materials specified by us and to operation with group II media according to directive 2014/68/EU. Material combinations, optional materials, as well as other media or other temperature ranges can lead to divergent maximum permissible operating pressures and must be requested separately.

Please note that the maximum permissible operating pressure of the connection and quick coupling system must be considered when determining the operating pressure. Our safety instructions must be followed.

◀◀ The **performance diagram** can be found on the front catalogue fold-out page.

A detailed **connection description** can be found on the back catalogue fold-out page. ▶▶





Features chart | Quick coupling systems

	Product features	Materials	Seals	Additional options
Standard	- Balls and springs made of stainless steel KL-006 - Can be coupled with LP-006 KL-012 - Can be coupled with LP-012	KL-006 50 = Polyamide 11/12, grey (PA) SI-ring POM black KL-012 40 = Polyacetal grey (POM) SI-ring black KL-030 40 = Polyacetalharz grey (POM) / (POM) black 46 = Polyacetal black (POM)	1 = NBR 2 = FKM 4 = EPDM	OV = Without valve KL-006 SI = Additional axial safety locking device (outside diameter of 29 mm) KL-012 SI = Additional axial safety locking device (outside diameter of 44 mm)
Optional		Other materials on request as special types, e.g. PP or PVDF	FFKM	

KL-006: Z14: Self-sealing coupling and adaptor from polypropylene material (PP) anthracite (p max. allowed 3 bar up to 20°C)

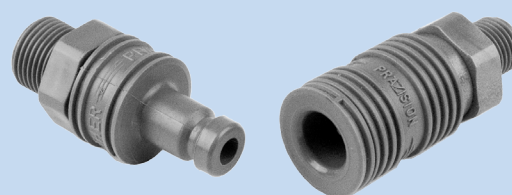
KL-012: Z01: Coupling with O-ring sealing (also for slight negative pressure)

Note: Some connecting adaptors made of POM can be found in the section Accessories under Connection and reducing adaptors

Caution: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

For example, a complete part number looks like this:

KL-006-0-SL007-Material-Seal-Additional options-Y../-Z..



Product chart | Quick coupling systems

Self-sealing adaptor / thru-type adaptor marked in blue

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight PA	Material-neutral part number
6	Self-sealing coupling (female)	7 mm	XI	4	22	25	24	68.3		16	KL-006-0-SL007-...
6	Self-sealing coupling (female)	9 mm	XI		22	30	24	73.3		17	KL-006-0-SL009-...
6	Self-sealing coupling (female)	11 mm	XI		22	30	24	73.3		18	KL-006-0-SL011-...
6	Self-sealing coupling (female)	13 mm	XI		22	30	24	73.3		19	KL-006-0-SL013-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



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Self-sealing adaptor / thru-type adaptor marked in blue

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight PA	Material-neutral part number
6	Self-sealing coupling (female)	BSPP 1/4"	I		22	12	24	55.3		16	KL-006-0-WR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	I		22	12	24	55.3		17	KL-006-0-WR017-...-
6	Self-sealing coupling (female)	BSPP 1/2"	I		22	12	24	55.3		18	KL-006-0-WR021-...-
6	Self-sealing coupling (female)	BSPP 1/4"	II		22	14	24	57.3		19	KL-006-0-WR513-...-
6	Self-sealing coupling (female)	BSPP 3/8"	II		22	14	24	57.3		18	KL-006-0-WR517-...-
6	Thru-type adaptor (male)	7 mm	XI	3		25	12	46	20	3	KL-006-1-SL007-...
6	Thru-type adaptor (male)	9 mm	XI			30	12	51	20	3	KL-006-1-SL009-...
6	Thru-type adaptor (male)	11 mm	XI			30	16	53	20	4	KL-006-1-SL011-...
6	Thru-type adaptor (male)	13 mm	XI			30	16	53	20	5	KL-006-1-SL013-...
6	Thru-type adaptor (male)	BSPP 1/8"	I	4	15	7	16	32	20	3	KL-006-1-WR010-...
6	Thru-type adaptor (male)	BSPP 1/4"	I		19	9	20.5	35	20	4	KL-006-1-WR013-...
6	Thru-type adaptor (male)	BSPP 3/8"	I		22	11	24	38	20	6	KL-006-1-WR017-...
6	Thru-type adaptor (male)	BSPP 1/8"	II		17	13.5	18.5	36	20	4	KL-006-1-WR510-...
6	Thru-type adaptor (male)	BSPP 1/4"	II		17	13.5	18.5	36	20	4	KL-006-1-WR513-...
6	Self-sealing adaptor (male)	7 mm	XI	4	22	25	24	66.5	20	10	KL-006-2-SL007-...-
6	Self-sealing adaptor (male)	9 mm	XI		22	30	24	71.5	20	10	KL-006-2-SL009-...-
6	Self-sealing adaptor (male)	11 mm	XI		22	30	24	71.5	20	11	KL-006-2-SL011-...-
6	Self-sealing adaptor (male)	13 mm	XI		22	30	24	71.5	20	12	KL-006-2-SL013-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I		22	12	24	53.5	20	10	KL-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I		22	12	24	53.5	20	10	KL-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I		22	12	24	53.3	20	11	KL-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II		22	14	24	55.5	20	13	KL-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II		22	14	24	55.5	20	12	KL-006-2-WR517-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart | Quick coupling systems

Self-sealing adaptor / thru-type adaptor marked in blue

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight POM	Material-neutral part number
12	Self-sealing coupling (female)	16 mm	XI		30	35	40	98		90	KL-012-0-SL016-...
12	Self-sealing coupling (female)	19 mm	XI		30	35	40	102		90	KL-012-0-SL019-...
12	Self-sealing coupling (female)	BSPP 1/2"	I		30	15	40	88		90	KL-012-0-WR021-...
12	Self-sealing coupling (female)	BSPP 3/4"	I		30	17	40	90		90	KL-012-0-WR026-...
12	Self-sealing coupling (female)	BSPP 1/2"	II		30	15	40	82.5		85	KL-012-0-WR521-...
12	Self-sealing coupling (female)	BSPP 3/4"	II		30	17	40	84.5		90	KL-012-0-WR526-...
12	Thru-type adaptor (male)	13 mm	XI	8		30	21	59.5	29.5	13	KL-012-1-SL013-..
12	Thru-type adaptor (male)	16 mm	XI			35	21	64.5	29.5	14	KL-012-1-SL016-..
12	Thru-type adaptor (male)	19 mm	XI			35	25	68.5	29.5	19	KL-012-1-SL019-..
12	Thru-type adaptor (male)	BSPP 1/2"	I		30	15	33.1	54.5	29.5	21	KL-012-1-WR021-..
12	Thru-type adaptor (male)	BSPP 3/4"	I		30	17	33.1	56.5	29.5	25	KL-012-1-WR026-..
12	Thru-type adaptor (male)	BSPP 1/2"	II		30	15	33.1	49	29.5	19	KL-012-1-WR521-..
12	Thru-type adaptor (male)	BSPP 3/4"	II		30	17	33.1	51	29.5	20	KL-012-1-WR526-..
12	Self-sealing adaptor (male)	16 mm	XI		30	35	40	96	29.5	58	KL-012-2-SL016-...
12	Self-sealing adaptor (male)	19 mm	XI		30	35	40	100	29.5	62	KL-012-2-SL019-...
12	Self-sealing adaptor (male)	BSPP 1/2"	I		30	15	40	86	29.5	60	KL-012-2-WR021-...
12	Self-sealing adaptor (male)	BSPP 3/4"	I		30	17	40	88	29.5	60	KL-012-2-WR026-...
12	Self-sealing adaptor (male)	BSPP 1/2"	II		30	15	40	82.5	29.5	55	KL-012-2-WR521-...
12	Self-sealing adaptor (male)	BSPP 3/4"	II		30	17	40	82.5	29.5	60	KL-012-2-WR526-...
30	Self-sealing coupling (female)	BSPP 1 1/2"	II		60	23.5	70	114		330	KL-030-0-WR548-...
30	Self-sealing coupling (female)	BSPP 2"	II		60	26	70	116		320	KL-030-0-WR560-...

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NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight POM	Material-neutral part number
30	Thru-type adaptor (male)	BSPP 1 1/2"	II		60	25	66	66	35	95	KL-030-1-WR548-..
30	Self-sealing adaptor (male)	BSPP 1 1/2"	II		60	23.5	66	114	35	230	KL-030-2-WR548-...-
30	Self-sealing adaptor (male)	BSPP 2"	II		60	26	66	116	35	220	KL-030-2-WR560-...-
30	Thru-type coupling (female)	BSPP 1 1/2"	II			18	70	84		240	KL-030-4-WR548-...-

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