

										
ISO 7241-1-B	Brass, steel, stainless steel 303 and 316	1/8", 1/4" 3/8", 1/2" 3/4", 1" 1 1/2", 2 1/2"	35 Mpa max	-30°C + 110°C (NBR seal) -20°C + 200°C (FKM seal : Viton™)	NBR (brass, steel, AISI 303 stainless steel), FKM (Viton™ AISI 316 stainless steel)	Manual	Poppet	No	Ball locking mechanism	BSPP, NPTF

Main characteristics

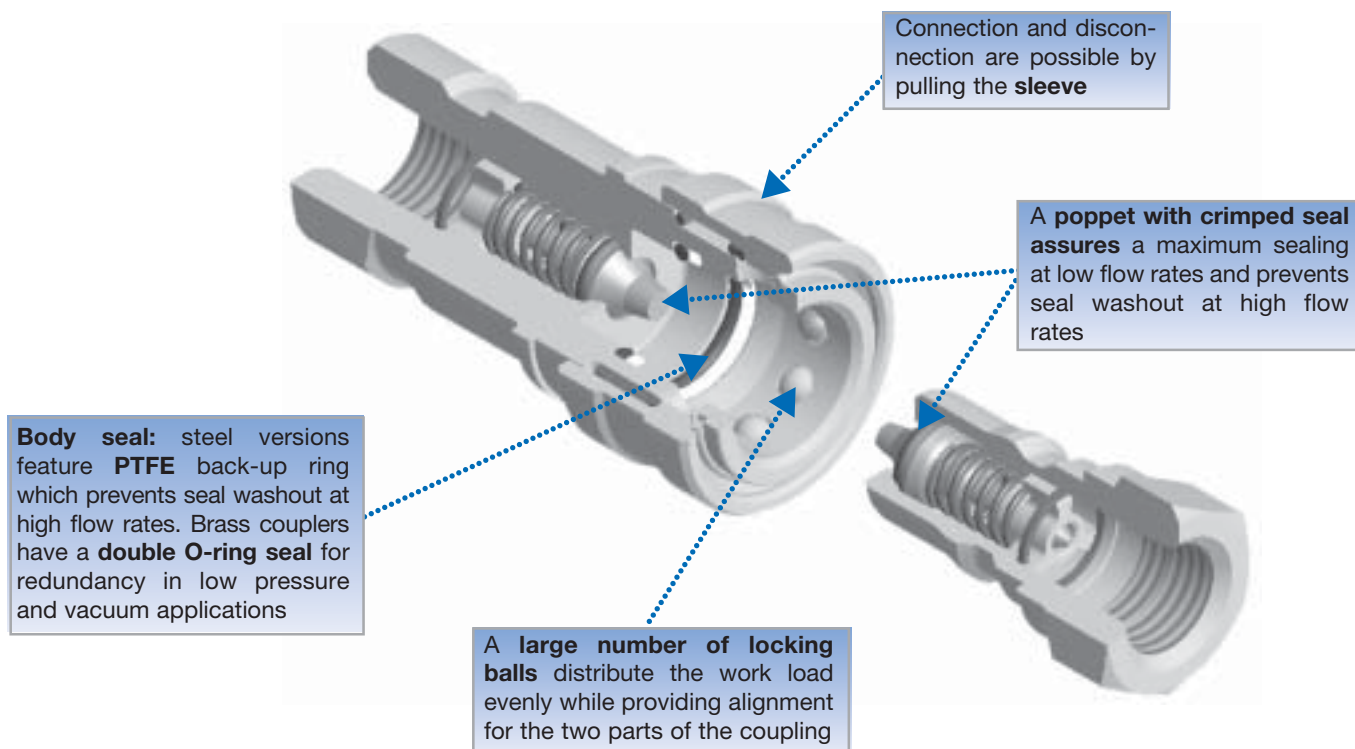
- Meets the requirements of **ISO 7241-1, Series B**
- Can be used for any type of industrial applications because of the broad range of materials, seals and end configurations

Applications

- Semiconductor industry, steel manufacturing
- Pneumatic and hydraulic hand tools
- Food and bottling industry
- Boating, shipbuilding and offshore industry
- Pharmaceutical industry, laboratories
- Transport
- Power generating plants, hydroelectric power stations (filling / connection of mobile filtration equipment)



Technical features



Technical performance data

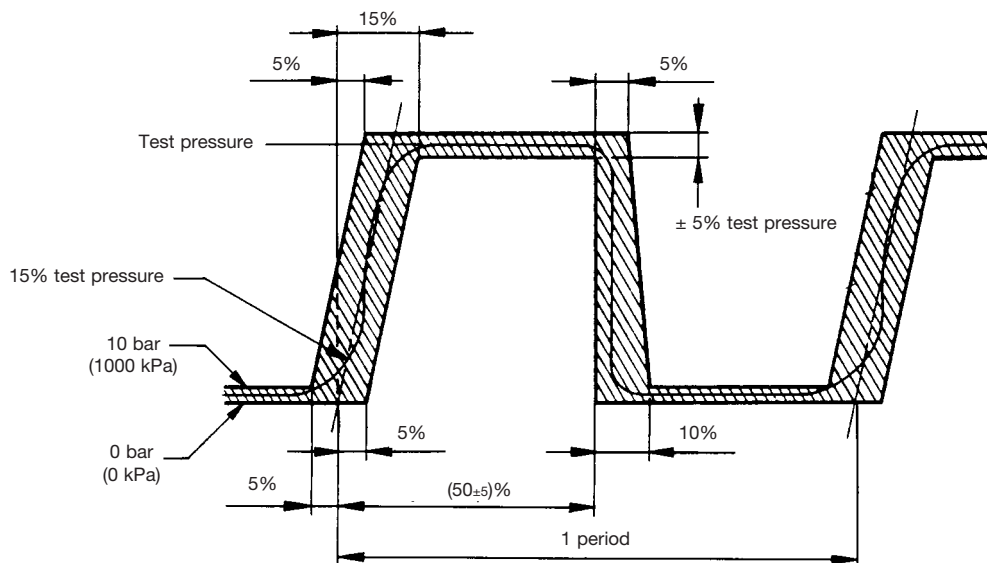
Low cycle, non-pulsating pressure rating:

Applications with lower cycle time and no severe cyclic pressure fluctuations, essentially steady pressure during an operating cycle. Typical applications include hydraulic jacks, mine roof support systems, and high pressure fluid transfer (pumping water or slurry in oil wells). Minor pump ripple is considered non-pulsating. Impulse tested at rated pressure.

ANSI/ISO Pressure rating:

Dynamic applications with normal to moderate hydraulic shocks such as general industrial equipment, hydraulic presses, agricultural equipment. Impulse tested at a multiple (125 % or 133 %) of rated pressure.

A uniform cycle rate of 0.5 to 1.0 Hz is held over 100,000 cycles according to ISO 7241-1 & 2.



Low cycle, non-pulsating pressure rating			
Body size inch	Steel	Mpa Stainless steel	Brass
1/8"	35.0	35.0	21.0
1/4"	35.0	35.0	25.5
3/8"	28.0	35.0	18.5
1/2"	28.0	35.0	24.0
3/4"	17.5	21.0	15.0
1"	14.0	21.0	10.5
1 1/2"	10.5	10.5	10.5
2 1/2"	10.5	10.5	8.5

ANSI/ISO Pressure rating			
Body size inch	Steel	Mpa Stainless steel	Brass
1/8"	35.0	14.0	7.0
1/4"	35.0	14.0	7.0
3/8"	28.0	10.5	7.0
1/2"	28.0	10.5	7.0
3/4"	17.5	10.5	7.0
1"	14.0	7.0	7.0
1 1/2"	7.0	7.0	5.5
2 1/2"	7.0	7.0	5.5

* Values shown for stainless steel are valid for both AISI 303 and AISI 316.

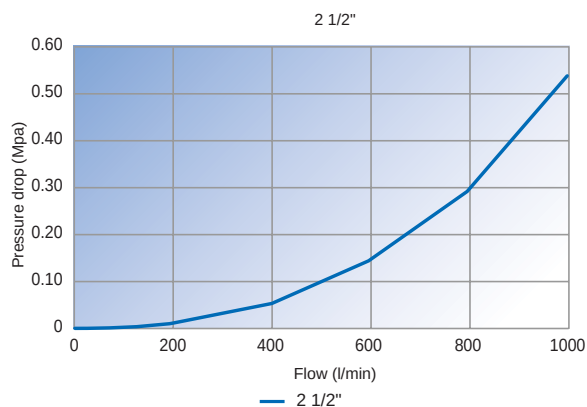
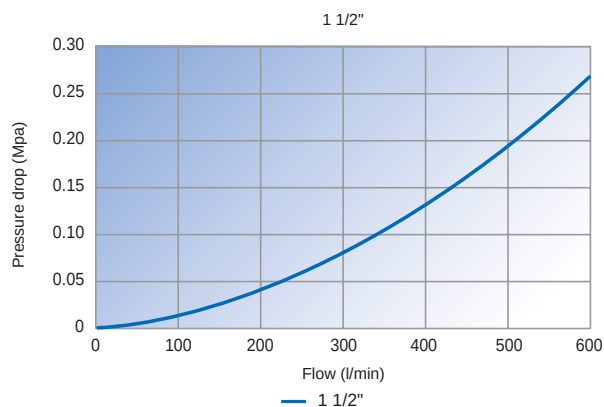
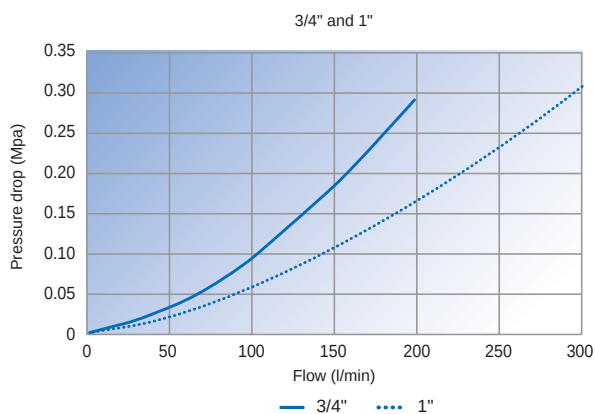
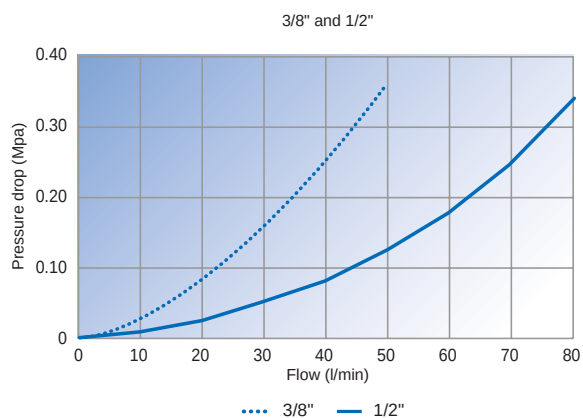
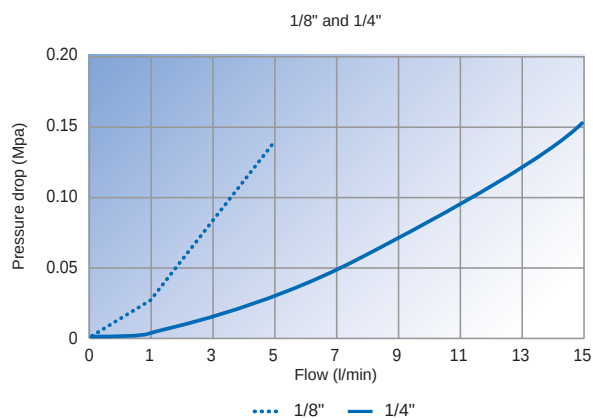
Temperature rating:

	Part number suffix	O-ring compound	Temperature range
Standard	No suffix	NBR (Nitrile)	-30°C +110°C
	Y	FKM (Viton™)	-20°C +200°C
Option	W	EPDM (Ethylene Propylene)	-40°C +150°C
	Z	CR (Neoprene)	-40°C +100°C

Vacuum data: 696 mm Hg both connected and disconnected

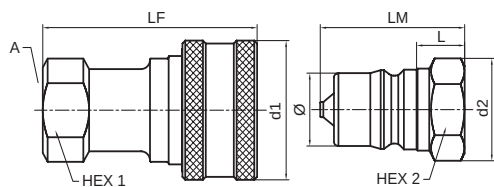
Pressure drop

Tests with oil viscosity 43 cSt at 38°C.



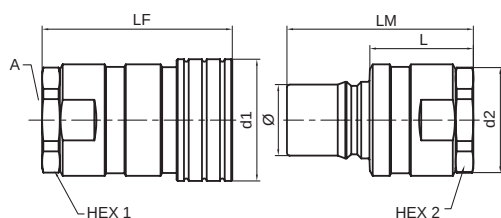
Dimensions and part numbers

STEEL COUPLERS



Body size inch	Thread A inch	d1 mm	Hex 1	LF mm	d2 mm	Hex 2	L mm	LM mm	Ø mm	Part number female body	Weight gr./piece	Part number male tip	Weight gr./piece
Female BSPP thread													
1/8"	1/8	24.4	14 mm	48.3	16.4	9/16"	10.5	29.5	10.8	H1-62-BSPP	81	H1-63-BSPP	18
1/4"	1/4	29.0	19 mm	61.2	21.9	19 mm	16.6	39.1	14.2	H2-62-BSPP	130	H2-63-BSPP	38
3/8"	3/8	35.6	22 mm	65.6	25.3	22 mm	14.5	44.7	19.1	H3-62-BSPP	241	H3-63-BSPP	68
1/2"	1/2	45.0	1 1/8"	72.3	32.8	30 mm	16.3	49.3	23.5	H4-62-BSPP	360	H4-63-BSPP	122
3/4"	3/4	54.4	1 5/16"	93.2	40.4	1 3/8"	21.9	57.7	31.4	H6-62-BSPP	602	H6-63-BSPP	217
1"	1	64.0	41 mm	106.2	47.2	41 mm	25.2	73.8	37.7	H8-62-BSPP	906	H8-63-BSPP	341

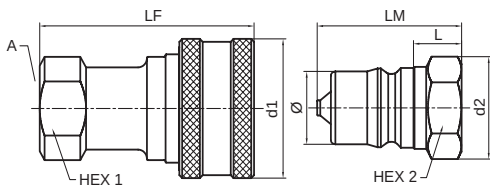
Female NPTF thread													
1/8"	1/8-27	24.4	11/16"	48.3	16.5	9/16"	10.5	29.5	10.8	H1-62	81	H1-63	18
1/4"	1/4-18	29.0	13/16"	57.4	19.1	3/4"	12.7	35.3	14.2	H2-62	138	H2-63	36
3/8"	3/8-18	35.6	7/8"	63.2	25.7	7/8"	13.1	38.1	19.1	H3-62	184	H3-63	56
1/2"	1/2-14	45.0	1 1/8"	72.9	33.0	1 1/8"	16.4	44.5	23.5	H4-62	341	H4-63	109
3/4"	3/4-14	54.4	1 5/16"	90.4	40.4	1 3/8"	19.1	54.9	31.4	H6-62	592	H6-63	210
1"	1-11 1/2	64.0	1 5/8"	106.2	47.8	1 5/8"	25.2	65.5	37.7	H8-62	914	H8-63	351



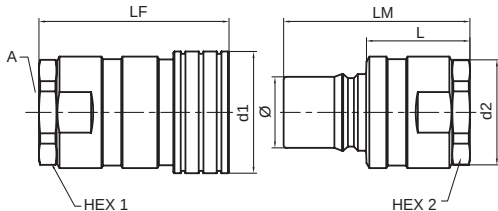
Body size inch	Thread A inch	d1 mm	Hex 1 inch	LF mm	d2 mm	Hex 2 inch	L mm	LM mm	Ø mm	Part number female body	Part number male tip
Female BSPP thread											
1 1/2"	1 1/4	76.2	2 3/8"	123.4	69.9	2 3/8"	67.5	120.9	44.5	H12-62L-BSPP	H12-63L-BSPP
	1 1/2	76.2	2 3/8"	127.3	69.9	2 3/8"	67.5	124.7	44.5	H12-62N-BSPP	H12-63N-BSPP
2 1/2"	2	101.1	3 3/4"	145.0	104.1	3 3/4"	77.3	142.7	63.2	H2016-62-BSPP	H2016-63-BSPP
	2 1/2	101.1	3 3/4"	170.2	104.1	3 3/4"	102.3	167.9	63.2	H2020-62-BSPP	H2020-63-BSPP
	3	101.1	4"	180.3	104.1	4"	112.7	178.0	63.2	H2024-62-BSPP	H2024-63-BSPP
Female NPTF thread											
1 1/2"	1 1/4-11 1/2	76.2	2 3/8"	123.4	69.9	2 3/8"	67.3	120.9	44.5	H12-62L	H12-63L
	1 1/2-11 1/2	76.2	2 3/8"	123.4	69.9	2 3/8"	67.3	120.9	44.5	H12-62N	H12-63N
2 1/2"	2-11 1/2	101.1	3 3/4"	141.5	104.1	3 3/4"	73.7	139.2	63.2	H2016-62	H2016-63
	2 1/2-8	101.1	3 3/4"	153.4	104.1	3 3/4"	85.6	151.1	63.2	H2020-62	H2020-63
	3-8	101.1	4"	176.8	104.1	4"	109.0	174.5	63.2	H2024-62	H2024-63

Note : Quick couplings with UNF thread are also available upon request. Please consult us for these configurations.

AISI 303 STAINLESS STEEL COUPLERS



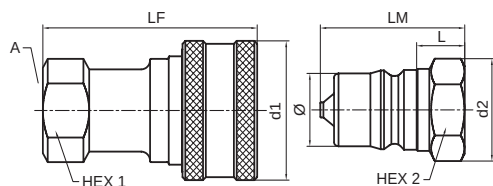
Body size inch	Thread A inch	d1 mm	Hex 1	LF mm	d2 mm	Hex 2	L mm	LM mm	Ø mm	Part number female body	Weight gr./piece	Part number male tip	Weight gr./piece
Female BSPP thread													
1/8"	1/8	24.0	14 mm	48.3	16.4	17 mm	10.5	29.5	10.8	SH1-62-BSPP	81	SH1-63-BSPP	18
1/4"	1/4	29.0	19 mm	61.2	21.9	19 mm	16.6	39.1	14.2	SH2-62-BSPP	129	SH2-63-BSPP	36
3/8"	3/8	35.6	22 mm	65.6	25.3	22 mm	14.5	44.7	19.1	SH3-62-BSPP	245	SH3-63-BSPP	69
1/2"	1/2	45.0	1 1/8"	72.3	32.8	30 mm	16.3	49.3	23.5	SH4-62-BSPP	360	SH4-63-BSPP	122
3/4"	3/4	54.4	1 5/16"	93.2	40.3	35 mm	19.0	57.7	31.4	SH6-62-BSPP	603	SH6-63-BSPP	217
1"	1	64.0	1 5/8"	106.2	47.8	1 5/8"	25.2	65.5	37.7	SH8-62-BSPP	908	SH8-63-BSPP	345
Female NPTF thread													
1/8"	1/8-27	24.4	11/16"	48.3	16.5	9/16"	10.5	29.5	10.8	SH1-62	83	SH1-63	18
1/4"	1/4-18	29.0	13/16"	57.4	21.9	19 mm	12.7	35.3	14.2	SH2-62	128	SH2-63	37
3/8"	3/8-18	35.6	7/8"	63.2	25.7	7/8"	13.1	38.1	19.1	SH3-62	186	SH3-63	58
1/2"	1/2-14	45.0	1 1/8"	72.9	33.0	1 1/8"	16.4	44.5	23.5	SH4-62	341	SH4-63	109
3/4"	3/4-14	54.4	1 5/16"	90.4	40.4	1 3/8"	19.1	54.9	31.4	SH6-62	595	SH6-63	212
1"	1-11 1/2	64.0	1 5/8"	106.2	47.8	1 5/8"	25.2	65.5	37.7	SH8-62	924	SH8-63	356



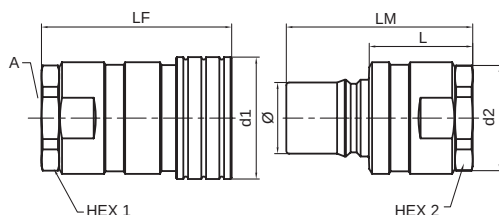
Body size inch	Thread A inch	d1 mm	Hex 1 inch	LF mm	d2 mm	Hex 2 inch	L mm	LM mm	Ø mm	Part number female body	Part number male tip
Female BSPP thread											
1 1/2"	1 1/4	76.2	2 1/2"	123.4	69.9	2 1/2"	67.5	120.9	44.5	SH12-62L-BSPP	SH12-63L-BSP
	1 1/2	76.2	2 1/2"	127.3	69.9	2 1/2"	67.5	124.7	44.5	SH12-62N-BSPP	SH12-63N-BSPP
2 1/2"	2	101.1	3 3/4"	145.0	104.1	3 3/4"	77.3	142.7	63.2	SH2016-62-BSPP	SH2016-63-BSPP
	2 1/2	101.1	3 3/4"	170.2	104.1	3 3/4"	102.3	167.9	63.2	SH2020-62-BSPP	SH2020-63-BSPP
	3	101.1	4"	180.3	110.5	4"	112.7	178.0	63.2	SH2024-62-BSPP	SH2024-63-BSPP
Female NPTF thread											
1 1/2"	1 1/4-11 1/2	76.2	2 1/2"	123.4	69.9	2 1/2"	67.3	120.9	44.5	SH12-62L	SH12-63L
	1 1/2-11 1/2	76.2	2 1/2"	123.4	69.9	2 1/2"	67.3	120.9	44.5	SH12-62N	SH12-63N
2 1/2"	2-11 1/2	101.1	3 3/4"	141.5	104.1	3 3/4"	73.7	139.2	63.2	SH2016-62	SH2016-63
	2 1/2-8	101.1	3 3/4"	153.4	104.1	3 3/4"	85.6	151.1	63.2	SH2020-62	SH2020-63
	3-8	101.1	4"	176.8	110.5	4"	109.0	174.5	63.2	SH2024-62	SH2024-63

Note : Quick couplings with UNF thread are also available upon request. Please consult us for these configurations.

AISI 316 STAINLESS STEEL COUPLERS



Body size inch	Thread A inch	d1 mm	Hex 1	LF mm	d2 mm	Hex 2	L mm	LM mm	Ø mm	Part number female body	Weight gr./piece	Part number male tip	Weight gr./piece
Female BSPP thread													
1/8"	1/8	24.0	11/16"	48.3	16.4	9/16"	10.5	29.5	10.8	SSH1-62Y-BSPP*	74	SSH1-63Y-BSPP*	22
1/4"	1/4	29.0	19 mm	57.0	21.9	19 mm	12.6	39.1	14.2	SSH2-62Y-BSPP*	146	SSH2-63Y-BSPP*	42
3/8"	3/8	35.6	1"	69.9	25.3	7/8"	19.7	44.7	19.1	SSH3-62Y-BSPP*	187	SSH3-63Y-BSPP*	60
1/2"	1/2	45.0	1 1/8"	77.5	33.4	1 1/8"	21.1	44.5	23.5	SSH4-62Y-BSPP*	367	SSH4-63Y-BSPP*	123
3/4"	3/4	54.4	1 5/16"	93.2	40.4	1 3/8"	21.9	57.7	31.4	SSH6-62Y-BSPP*	610	SSH6-63Y-BSPP*	218
1"	1	64.0	1 5/8"	106.2	47.2	1 5/8"	25.2	65.5	37.7	SSH8-62Y-BSPP*	899	SSH8-63Y-BSPP*	340
Female NPTF thread													
1/8"	1/8-27	24.4	11/16"	48.3	16.5	9/16"	10.5	29.5	10.8	SSH1-62Y*	74	SSH1-63Y*	18
1/4"	1/4-18	29.0	13/16"	57.4	19.1	3/4"	12.7	35.3	14.2	SSH2-62Y*	138	SSH2-63Y*	37
3/8"	3/8-18	35.4	7/8"	63.2	25.7	7/8"	13.1	38.1	19.1	SSH3-62Y*	180	SSH3-63Y*	55
1/2"	1/2-14	45.0	1 1/8"	72.9	33.0	1 1/8"	16.4	44.5	23.5	SSH4-62Y*	346	SSH4-63Y*	109
3/4"	3/4-14	54.4	1 5/16"	90.4	40.4	1 3/8"	19.1	54.9	31.4	SSH6-62Y*	592	SSH6-63Y*	210
1"	1-11 1/2	64.0	1 5/8"	106.2	47.8	1 5/8"	25.2	65.5	37.7	SSH8-62Y*	901	SSH8-63Y*	345

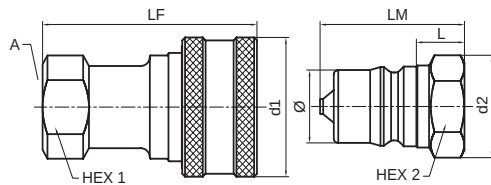


Body size inch	Thread A inch	d1 mm	Hex 1 inch	LF mm	d2 mm	Hex 2 inch	L mm	LM mm	Ø mm	Part number female body	Part number male tip
Female BSPP thread											
1 1/2"	1 1/4	76.2	2 3/8"	123.4	69.9	2 3/8"	67.5	120.9	44.5	SSH12-62LY-BSPP*	SSH12-63LY BSPP*
	1 1/2	76.2	2 3/8"	127.3	69.9	2 3/8"	67.5	124.7	44.5	SSH12-62NY-BSPP*	SSH12-63NY-BSPP*
2 1/2"	2	101.1	3 3/4"	145.0	104.1	3 3/4"	77.3	142.7	63.2	SSH2016-62Y-BSPP*	SSH2016-63Y-BSPP*
	2 1/2	101.1	3 3/4"	170.2	104.1	3 3/4"	102.3	167.9	63.2	SSH2020-62Y-BSPP*	SSH2020-63Y-BSPP*
	3	101.1	4"	180.3	110.5	4"	112.7	178.0	63.2	SSH2024-62Y-BSPP*	SSH2024-63Y-BSPP*
Female NPTF thread											
1 1/2"	1 1/4-11 1/2	76.2	2 3/8"	123.4	69.9	2 3/8"	67.3	120.9	44.5	SSH12-62LY*	SSH12-63LY*
	1 1/2-11 1/2	76.2	2 3/8"	123.4	69.9	2 3/8"	67.3	120.9	44.5	SSH12-62NY*	SSH12-63NY*
2 1/2"	2-11 1/2	101.1	3 3/4"	141.5	104.1	3 3/4"	73.7	139.2	63.2	SSH2016-62Y*	SSH2016-63Y*
	2 1/2-8	101.1	3 3/4"	153.4	104.1	3 3/4"	85.6	151.1	63.2	SSH2020-62Y*	SSH2020-63Y*
	3-8	101.1	4"	176.8	110.5	4"	109.0	174.5	63.2	SSH2024-62Y*	SSH2024-63Y*

* Suffix "Y" designates FKM (Viton™) seal.

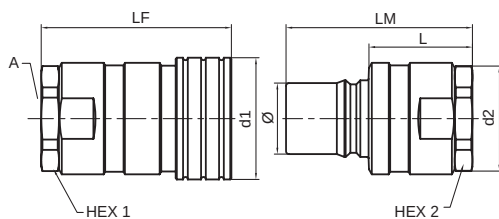
Note : Quick couplings with UNF thread are also available upon request. Please consult us for these configurations.

BRASS COUPLERS



Body size inch	Thread A inch	d1 mm	Hex 1	LF mm	d2 mm	Hex 2	L mm	LM mm	Ø mm	Part number female body	Weight gr./piece	Part number male tip	Weight gr./piece
Female BSPP thread													
1/8"	1/8	24.4	14 mm	48.3	16.1	14 mm	10.5	32.5	10.8	BH1-60-BSPP	87	BH1-61-BSPP	19
1/4"	1/4	29.0	19 mm	61.2	21.9	19 mm	16.6	39.1	14.2	BH2-60-BSPP	158	BH2-61-BSPP	45
3/8"	3/8	35.6	1"	69.9	25.7	7/8"	19.7	44.7	19.1	BH3-60-BSPP	260	BH3-61-BSPP	74
1/2"	1/2	45.0	1 1/8"	77.5	33.0	1 1/8"	21.1	49.3	23.5	BH4-60-BSPP	383	BH4-61-BSPP	131
3/4"	3/4	54.4	33 mm	90.4	40.3	1 3/8"	21.9	57.7	31.4	BH6-60-BSPP	642	BH6-61-BSPP	235
1"	1	64.0	41 mm	106.2	47.2	41 mm	25.2	73.8	37.7	BH8-60-BSPP	971	BH8-61-BSPP	368

Female NPTF thread													
1/8"	1/8-27	24.4	11/16"	48.3	16.4	9/16"	10.5	29.5	10.8	BH1-60	80	BH1-61	19
1/4"	1/4-18	29.0	13/16"	57.4	22.1	4/3"	12.7	35.3	14.2	BH2-60	145	BH2-61	46
3/8"	3/8-18	35.6	7/8"	63.2	25.7	7/8"	13.1	38.1	19.1	BH3-60	195	BH3-61	62
1/2"	1/2-14	45.0	1 1/8"	72.9	33.0	1 1/8"	16.4	44.5	23.5	BH4-60	365	BH4-61	118
3/4"	3/4-14	54.4	1 5/16"	90.4	40.4	1 3/8"	19.1	54.9	31.4	BH6-60	630	BH6-61	229
1"	1-11 1/2	64.0	1 5/8"	106.2	47.8	1 5/8"	25.2	65.5	37.7	BH8-60	980	BH8-61	378



Body size inch	Thread A inch	d1 mm	Hex 1 inch	LF mm	d2 mm	Hex 2 inch	L mm	LM mm	Ø mm	Part number female body	Part number male tip
Female BSPP thread											
1 1/2"	1 1/4	76.2	2 3/8"	123.4	75.1	2 3/8"	67.5	120.9	44.5	BH12-60L-BSPP	BH12-61L-BSPP
	1 1/2	76.2	2 3/8"	127.3	75.1	2 3/8"	67.5	124.7	44.5	BH12-60N-BSPP	BH12-61N-BSPP
2 1/2"	2	101.1	3 3/4"	145.0	104.1	3 3/4"	77.3	142.7	63.2	BH2016-60-BSPP	BH2016-61-BSPP
	2 1/2	101.1	3 3/4"	170.2	104.1	3 3/4"	102.3	167.9	63.2	BH2020-60-BSPP	BH2020-61-BSPP
	3	101.1	4"	180.3	104.1	4"	112.7	178.0	63.2	BH2024-60-BSPP	BH2024-61-BSPP
Female NPTF thread											
1 1/2"	1 1/4-11 1/2	76.2	2 3/8"	123.4	75.1	2 3/8"	67.3	120.9	44.5	BH12-60L	BH12-61L
	1 1/2-11 1/2	76.2	2 3/8"	123.4	75.1	2 3/8"	67.3	120.9	44.5	BH12-60N	BH12-61N
2 1/2"	2-11 1/2	101.1	3 3/4"	141.5	104.1	3 3/4"	73.7	139.2	63.2	BH2016-60	BH2016-61
	2 1/2-8	101.1	3 3/4"	153.4	104.1	3 3/4"	85.6	151.1	63.2	BH2020-60	BH2020-61
	3-8	101.1	4"	176.8	104.1	4"	109.0	174.5	63.2	BH2024-60	BH2024-61

Note : Quick couplings with UNF thread are also available upon request. Please consult us for these configurations.

Options

Heavy duty nipples:

Parker 60 series heavy duty nipples are recommended for extended life in applications where high cycle rates and pressure surges are encountered. Machined from high tensile steel and specially hardened. To specify a heavy duty nipple, add the prefix **HD** to the steel series part number, thus: **HDH2-63** and contact us.

Sleeve-lock:

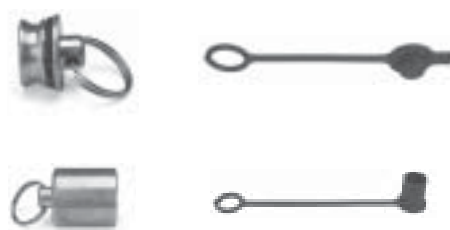
60 series couplers (as well as sleeve type couplers) are available with safety locking sleeves. Please add the suffix **SL** to the part number, e.g. **H3-62SL** and contact us.

Seals:

Other seal materials (Ethylene Propylene – EPDM, Neoprene – CR, Perfluoroelastomer – Kalrez™) are available upon request. Please contact us for further information.

Dust caps and plugs

Body size inch	Plug part number for female body		Cap part number for male tip	
	Aluminium	Rubber	Aluminium	Rubber
1/8"	H1-65	H1-65M	H1-66	H1-66M
1/4"	H2-65	H2-65M	H2-66	H2-66M
3/8"	H3-65	H3-65M	H3-66	H3-66M
1/2"	H4-65	H4-65M	H4-66	H4-66M
3/4"	H6-65	H6-65M	H6-66	H6-66M
1"	H8-65	H8-65M	H8-66	H8-66M
1 1/2"	H12-65	-	H12-66	-



Stainless steel AISI 316 dust plugs and caps are available upon request. Please consult us.

Replacement seals

Body size inch	Body seal		Back-up ring* PTFE
	NBR (Nitrile)	FKM (Viton™)	
1/8"	JT020013N0674	JT020013V0747	H67A-28
1/4"	JT020015N0674	JT020015V0747	H67C-28
3/8"	JT020116N0674	JT020116V0747	4118007
1/2"	JT020213N0674	JT020213V0747	4128002
3/4"	JT020218N0674	JT020218V0747	4148001
1"	JT020222N0674	JT020222V0747	4158001
1 1/2"	JT020224N0674	JT020224V0747	-
	(2 body seals necessary)	(2 body seals necessary)	-
2 1/2"	JT020333N0674	JT020333V0747	-



*Brass 60 series couplers use two O-rings but do not use a back-up ring.