



Technical Description

The couplings of the 6600 series meet the requirements and dimensions of the ISO 7241-1 A standard.

Advantages

NBR seals and back-up ring in PTFE to withstand flow surges at high flow rates. Single acting sleeve. Connection and disconnection are possible by pulling the sleeve. Poppet valving. Chrome 6 free plated steel.

Applications

- Used for a wide range of agricultural applications
- Mobile and construction equipment
- In-plant machinery including hydraulic power units and hand tools

Working Pressure

1/4"	350 bar
3/8"	280 bar
1/2"	280 bar
3/4"	280 bar
1"	280 bar

Working Temperature

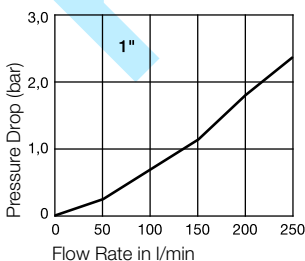
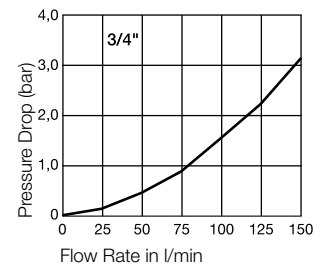
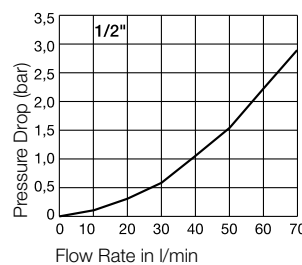
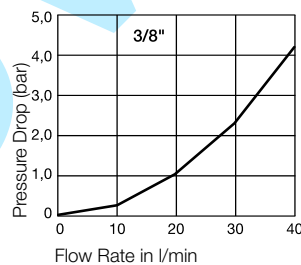
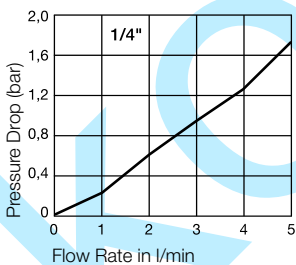
-40°C up to + 110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

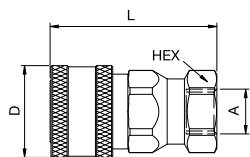
Applications Area



Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Stainless Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Stainless Steel
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Stainless Steel
Seals	NBR
Valve Holder	Stainless Steel

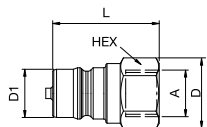
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Couplings**6600-Series**

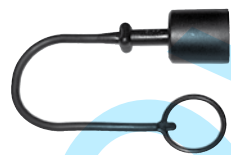
Female BSPP Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
1/4"	1/4"	22	49	27		123	350 bar	6603-4-4
3/8"	3/8"	27	56	31,8		180	280 bar	6603-6-6
1/2"	1/2"	32	71	38,1		309	280 bar	6603-8-10
3/4"	3/4"	41	85,5	47,6		624	280 bar	6603-12-12
1"	1"	48	104	54		842	280 bar	6603-16-16

Plugs**6600-Series**

Female BSPP Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
1/4"	1/4"	19	34,5	22	11,8	39	350 bar	6605-4-4
3/8"	3/8"	22	38,1	25,5	17,2	55	280 bar	6605-6-6
1/2"	1/2"	27	49,3	31	20,5	97	280 bar	6605-8-10
3/4"	3/4"	35	57,9	40,3	29	217	280 bar	6605-12-12
1"	1"	41	70,5	47,5	34,3	330	280 bar	6605-16-16

Dust Protection**6600-Series**

Body Size	Version	Color	Part Number
1/4"	for coupling	Red	6659-4PL
3/8"	for coupling	Red	6659-6PL
1/2"	for coupling	Red	6659-8PL
3/4"	for coupling	Red	6659-12PL
1"	for coupling	Red	6659-16PL
1/4"	for plug	Red	6657-4PL
3/8"	for plug	Red	6657-6PL
1/2"	for plug	Red	6657-8PL
3/4"	for plug	Red	6657-12PL
1"	for plug	Red	6657-16PL

Seal-Kit**6600-Series**

Body Size	Version	Material	Part Number O-Ring	Part Number Back-up Ring
1/4"	for coupling/plug	NBR	020112N0674	4118006
3/8"	for coupling/plug	NBR	JT020115N0674	4118005
1/2"	for coupling/plug	NBR	JT020211N0674	50-140-4
3/4"	for coupling/plug	NBR	020123N0674	4138001
1"	for coupling/plug	NBR	020126N0674	4148002



Body Size

3/8" and 1/2"

ISO A-Profile

2000-Series

Medium Pressure



Technical Description

Meets the requirements of ISO 7241-1-A. Modular construction: broad choice of end configurations (variety of threads - BSPP and metric). Two valve options: Poppet or ball valving. Push-Pull connection- / disconnection.

Advantages

Can be connected with other products complying with the same standard. NBR seals and back-up ring in PTFE to

withstand flow surges at high flow rates. Double acting sleeve (Push-Pull). Ball or three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Chrome 6 free plating.

Applications

- Used for a wide variety of agricultural applications
- Mobile and construction equipment
- Industrial equipment

Working Pressure

Poppet valve
3/8" 300 bar
1/2" 250 bar
Ball valving
1/2" 210 bar

Working Temperature

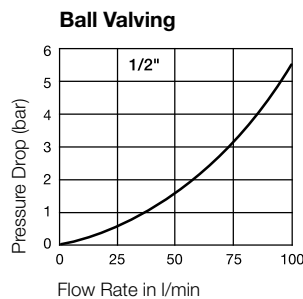
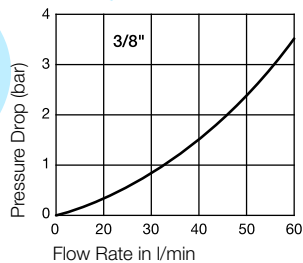
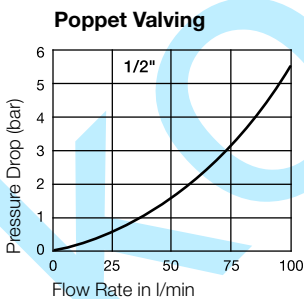
-25°C up to +110°C (NBR) depending on the medium.

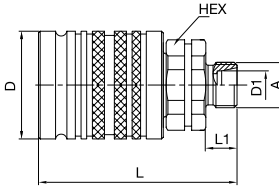
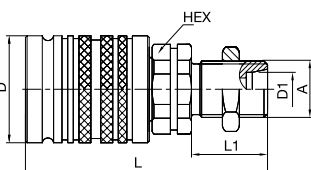
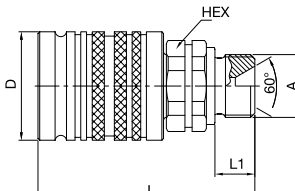
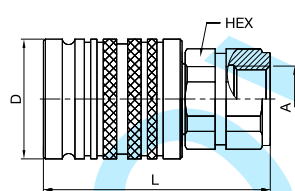
Applications Area



Material Coupling	Standard
Valve Body	Steel, silver plated
Sleeve	Steel, hardened, silver plated
Back-up Ring	PTFE
Valve	Steel, silver plated
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel
Back Body	Steel, silver plated
Material Plug	Standard
Plug Body	Steel hardened, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated

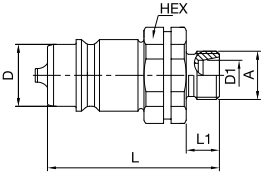
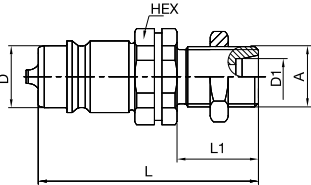
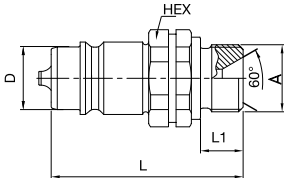
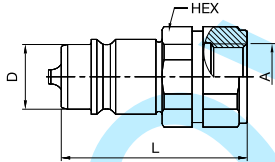
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
 <p>Male thread 24° cone – DIN 2353</p>	3/8"	M 14 x 1,5	8	22	65	10	31	315	194	Light	4V53D6X2-C
	3/8"	M 16 x 1,5	10	22	66	11	31	315	196	Light	4V53D6X3-C
	3/8"	M 18 x 1,5	10	22	67	11	31	315	201	Heavy	4V53D7X3-C
	1/2"	M 14 x 1,5	8	27	66	10	38	250	293	Light	4V54D6X2-C
	1/2"	M 16 x 1,5	10	27	66	11	38	250	295	Light	4V54D6X3-C
	1/2"	M 18 x 1,5	12	27	85	11	38	250	295	Light	4V54D6X4-C
	1/2"	M 22 x 1,5	15	27	67	12	38	250	300	Light	4V54D6X5-C
	1/2"	M 26 x 1,5	18	27	67	12	38	250	306	Light	4V54D6X6-C
	1/2"	M 18 x 1,5	10	27	67	12	38	250	302	Heavy	4V54D7X3-C
	1/2"	M 24 x 1,5	16	27	67	14	38	250	309	Heavy	4V54D7X6-C
 <p>Male thread 24° cone – DIN 2353 Bulkhead</p>	3/8"	M 16 x 1,5	10	22	81	26	31	315	208	Light	4V53E6X3-C
	1/2"	M 14 x 1,5	8	27	82	26	38	250	314	Light	4V54E6X2-C
	1/2"	M 16 x 1,5	10	27	81	26	38	250	319	Light	4V54E6X3-C
	1/2"	M 18 x 1,5	12	27	85	26	38	250	325	Light	4V54E6X4-C
	1/2"	M 22 x 1,5	15	27	82	27	38	250	347	Light	4V54E6X5-C
	1/2"	M 26 x 1,5	18	27	82	34	38	250	380	Light	4V54E6X6-C
	1/2"	M 18 x 1,5	10	27	82	27	38	250	334	Heavy	4V54E7X3-C
	1/2"	M 20 x 1,5	12	27	82	27	38	250	344	Heavy	4V54E7X4-C
	1/2"	M 24 x 1,5	16	27	84	29	38	250	366	Heavy	4V54E7X6-C
 <p>Male thread BSPP – DIN 3852 Form B</p>	3/8"	3/8"		22	69	12	31	315	195		4V53F4B3-C
	1/2"	3/8"		27	70	12	38	250	327		4V54F4B3-C
	1/2"	1/2"		27	71	12	38	250	311		4V54F4B4-C
 <p>Female thread – DIN 3852 Form Y</p>	3/8"	3/8"		22	71		31	315	203		4V53G4X3-C
	1/2"	3/8"		27	66		38	250	327		4V54G4X3-C
	1/2"	1/2"		27	70		38	250	324		4V54G4X4-C
	1/2"	1/2"		27	63		38	210	304	Ball Valve	4054G4X4-C
	1/2"	3/4"		36	77		38	250	374		4V54G4X6-C
	1/2"	M 18 x 1,5		27	68		38	250	322		4V54G8X5-C
	1/2"	M 22 x 1,5		27	68		38	250	315		4V54G8X6-C
	1/2"	1/2" NPT		27	71		38	210	308	Ball Valve	4054G0Z4-C







Plugs

2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
 <p>Male thread 24° cone – DIN 2353</p>	3/8"	M 14 x 1,5	8	22	47	10	17,3	315	75	Light	4V13D6X2-C
	3/8"	M 16 x 1,5	10	22	48	11	17,3	315	77	Light	4V13D6X3-C
	3/8"	M 18 x 1,5	10	22	49	11	17,3	315	82	Heavy	4V13D7X3-C
	1/2"	M 14 x 1,5	8	27	56	10	20,5	250	136	Light	4V14D6X2-C
	1/2"	M 16 x 1,5	10	27	57	11	20,5	250	137	Light	4V14D6X3-C
	1/2"	M 18 x 1,5	12	27	57	11	20,5	250	138	Light	4V14D6X4-C
	1/2"	M 22 x 1,5	15	27	58	12	20,5	250	143	Light	4V14D6X5-C
	1/2"	M 26 x 1,5	18	27	58	12	20,5	250	148	Light	4V14D6X6-C
	1/2"	M 18 x 1,5	10	27	58	12	20,5	250	145	Heavy	4V14D7X3-C
	1/2"	M 24 x 1,5	16	27	60	14	20,5	250	151	Heavy	4V14D7X6-C
 <p>Male thread 24° cone – DIN 2353 Bulkhead</p>	3/8"	M 16 x 1,5	10	22	63	26	17,3	315	98	Light	4V13E6X3-C
	1/2"	M 14 x 1,5	8	27	72	26	20,5	250	156	Light	4V14E6X2-C
	1/2"	M 16 x 1,5	10	27	72	26	20,5	250	162	Light	4V14E6X3-C
	1/2"	M 18 x 1,5	12	27	76	30	20,5	250	166	Light	4V14E6X4-C
	1/2"	M 22 x 1,5	15	27	73	27	20,5	250	190	Light	4V14E6X5-C
	1/2"	M 26 x 1,5	18	27	73	27	20,5	250	222	Light	4V14E6X6-C
	1/2"	M 18 x 1,5	10	27	73	27	20,5	250	176	Heavy	4V14E7X3-C
	1/2"	M 20 x 1,5	12	27	73	27	20,5	250	186	Heavy	4V14E7X4-C
	1/2"	M 24 x 1,5	16	27	75	29	20,5	250	208	Heavy	4V14E7X6-C
 <p>Male thread BSPP – DIN 3852 Form B</p>	3/8"	3/8"		22	51	12	17,3	315	75		4V13F4B3-C
	1/2"	3/8"		27	61	12	20,5	250	146		4V14F4B3-C
	1/2"	1/2"		27	63	14	20,5	250	154		4V14F4B4-C
 <p>Female thread – DIN 3852 Form Y</p>	3/8"	3/8"		22	52		17,3	315	84		4V13G4X3-C
	1/2"	3/8"		27	57		20,5	250	168		4V14G4X3-C
	1/2"	1/2"		27	61		20,5	250	164		4V14G4X4-C
	1/2"	1/2"		27	45		20,5	210	101	Ball Valve	4014G4X4-C
	1/2"	3/4"		36	68		20,5	250	217		4V14G4X6-C
	1/2"	M 18 x 1,5		27	60		20,5	250	165		4V14G8X5-C
	1/2"	M 22 x 1,5		27	63		20,5	250	157		4V14G8X6-C
	1/2"	1/2" NPT		27	45		20,5	210	104	Ball Valve	4014G0Z4-C

Dust Protection

2000-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	red	5025-3PR
	1/2"	for coupling	Plastic	see color code	5025-4P ¹
	3/8"	for plug	Plastic	red	5029-3PR
	1/2"	for plug	Plastic	see color code	5029-4P ¹
	1/2"	for coupling	Rubber	black	5205-4M
	1/2"	for plug	Rubber	black	5209-4M
	1/2"	for coupling	Steel		5005-4
	1/2"	for plug	Steel		5009-4

¹ Color code: B = blue/ G = green/ R = red/ O = orange/ Y = yellow/ BL = black

Seal-Kit

2000-Series

	Body Size	Version	Material O-Ring	Material Back-up Ring	Part Number
	3/8"	for coupling/plug	NBR	PTFE	4V53-C-KIT
	1/2"	for coupling/plug	NBR	PTFE	4V54-C-KIT



Body Size

1/2"

ISO A-Profile

RSD-Series

**Technical Description**

The RSD series has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series and can be connected with other series complying with the same standard.

Advantages

Our one hand operated push-pull version serve to prevent leakage and destruction of the hydraulic hoses by automatic disconnection in case of accidental traction on the hose. The integrated detent system prevents circuit shut off in back-flow condition (> 240 l/min - direction male to female). The connection can be done under full system pressure in the plug.

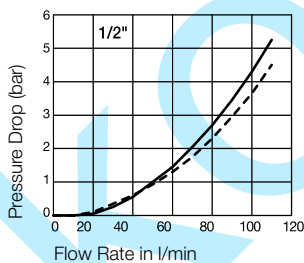
Working Pressure

See charts.

Working Temperature

-30°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

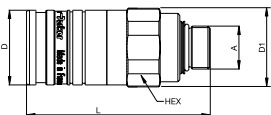
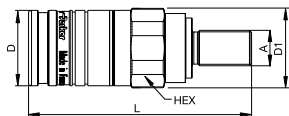
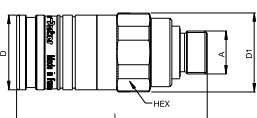
Material Coupling	Standard
Coupling Body	Chrome VI free Plated Steel
Sleeve	Chrome VI free Plated Steel
Valve	Chrome VI free Plated Steel
Springs	Steel
Locking Balls	Steel
Seals	Composite
Valve Holder	Composite

Applications Area**Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000**

— Male to Female
- - - Female to Male

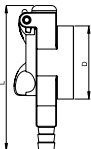
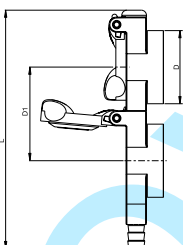
Couplings

RSD-Series

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Pressure in bar	Weight gr.	Part Number
 <p>Male Thread ISO 6149-2</p>	1/2"	M 22 x 1,5	38	94,5	38	40	250	459	RSD-501-22MM-F
 <p>Male Thread</p>	1/2"	M 18 x 1,5	38	110	38	40	250	490	RSD-501-18BMCL-F
	1/2"	M 22 x 1,5	38	110	38	40	250	510	RSD-501-22BMCL-F
 <p>Male Thread ISO 9974-2 with ED-Seal</p>	1/2"	M 22 x 1,5	38	97,5	38	40	250	480	RSD-501-22MME-F


Dust Protection

RSD-Series

	Body Size	Version	L mm	D mm	D1 mm	Material	Color	Part Number
	1/2"	Single Dust Cap	85	43		PA6-6	Black	DCP-500 ¹
	1/2"	Double Dust Cap	140	43	55	PA6-6	Black	DCP-555 ¹
	1/2"	Double Dust Cap	157	43	72	PA6-6	Black	DCP-572 ¹
	1/2"	Double Dust Cap	167	43	82	PA6-6	Black	DCP-582 ¹

Colored Caps for Dust Protection

RSD-Series

	Body Size	Version	L mm	D mm	D1 mm	Material	Color	Part Number
						PA6-6	Red	9809-018-R
						PA6-6	Yellow	9809-018-J
						PA6-6	Black	9809-018-N
						PA6-6	Green	9809-018-V
						PA6-6	Blue	9809-018-B

¹ Colored caps are not included in the single and double dust caps but have to be ordered separately.



Body Size

1/2"

ISO A-Profile

5500-Series

Medium Pressure



Technical Description

The 5500 series has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series. With the pressure eliminator, it is possible to establish connections with residual pressure (up to 200 bar). The pressure eliminator is available for both – coupling and the plug.

Advantages

Can be fitted with pressure eliminator to ensure effortless connection even with residual pressure.
High flow performance (low pressure drop).

Working Pressure

See charts.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM) depending on the medium. Special seals are available on request (see page 6).

Available Valves:



Applications Area



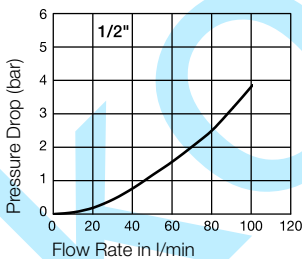
Bursting Pressure

Body Size	Bursting Pressure Connected
1/2"	> 1000 bar

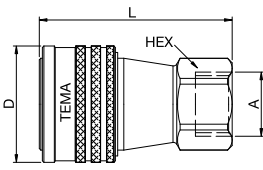
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Brass
Sleeve	Brass, nickel plated
Valve	Brass hardened
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting
Valve Holder (over 100°C)	Brass

Plug	Standard / Pressure Eliminator
Coupling Body	Steel hardened, zinc plated, passivated
Valve	Brass, hardened
Springs	AISI 301
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting
Valve Holder (over 100°C)	Brass

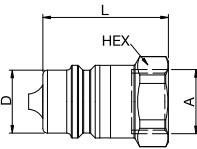
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



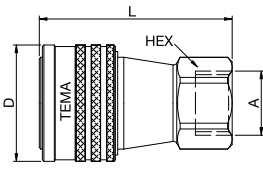
Couplings**5500-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	Working Pressure connected in bar	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	27	63	38	250	NBR	5510
	1/2"	G 1/2	27	63	38	250	FKM	5510 V

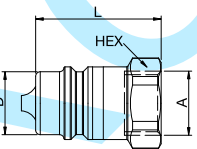
Plugs**5500-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	Working Pressure connected in bar	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	27	42	20	250	NBR	5520
	1/2"	G 1/2	27	42	20	250	FKM	5520 V

Couplings**5500-Series Pressure Eliminator**

	Body Size	Connection A	Hex mm	L mm	D mm	Working Pressure connected in bar	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	27	63	38	250	NBR	5511
	1/2"	G 1/2	27	63	38	250	FKM	5511 V

Plugs**5500-Series Pressure Eliminator**

	Body Size	Connection A	Hex mm	L mm	D mm	Working Pressure connected in bar	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	27	42	20	250	NBR	5521
	1/2"	G 1/2	27	42	20	250	FKM	5521 V

Seal-Kit**5500-Series**

Body Size	Version	Material	Part Number
1/2"	for coupling	NBR	5500-PSN
1/2"	for coupling	FKM	5500-PSV
1/2"	for coupling	EPDM	5500-PSEP

Dust Protection**5500-Series**

Body Size	Version	L mm	D mm	Material	Color	Part Number
1/2"	for coupling	242	30	PVC	Blue	5515-QC
1/2"	for plug	264	30	PVC	Blue	5525

KOVAZ S.r.l.



Body Size

1/8" up to 2 1/2"

ISO B-Profile

60-Series

Medium Pressure



Working Pressure

Low Cycle, non-pulsating pressure rating

Body Size	Steel	Stainl. Steel	Brass
1/8"	350 bar	350 bar	210 bar
1/4"	350 bar	350 bar	255 bar
3/8"	280 bar	350 bar	185 bar
1/2"	280 bar	350 bar	240 bar
3/4"	175 bar	210 bar	150 bar
1"	140 bar	210 bar	105 bar
1 1/2"	105 bar	105 bar	105 bar
2 1/2"	105 bar	-	85 bar

ANSI/ISO Pressure Rating

Body Size	Steel	Stainl. Steel	Brass
1/8"	350 bar	140 bar	70 bar
1/4"	350 bar	140 bar	70 bar
3/8"	280 bar	105 bar	70 bar
1/2"	280 bar	105 bar	70 bar
3/4"	175 bar	105 bar	70 bar
1"	140 bar	70 bar	70 bar
1 1/2"	70 bar	70 bar	55 bar
2 1/2"	70 bar	-	55 bar

Technical Description

The 60 series plug profiles conform to ISO Standard 7241-1 series B and are compatible with other series complying with the same standard.

Advantages

A poppet with crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates. A large number of locking balls distribute the work load evenly while providing alignment for the two parts of the coupling. Steel versions feature PTFE back-up ring which prevents seal damage for high pressure applications. Brass couplers have a double O-ring seal for redundancy in low pressure and vacuum applications.

Sleeve-Lock:

60 series couplers are available with safety locking sleeves. Please add the suffix **SL** to the part number, e.g. **H3-62-SL**.

Working Temperature

-40°C up to +110°C (NBR)
-20°C up to +200°C (FKM)
depending on the medium. Special seals are available on request (see page 6).

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**.

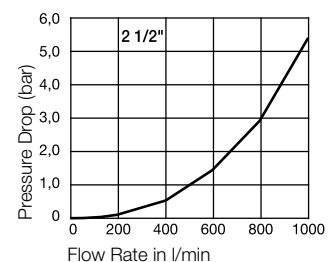
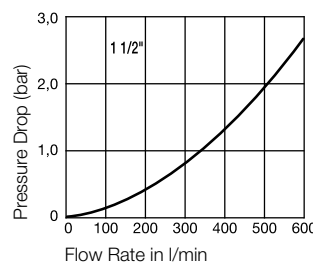
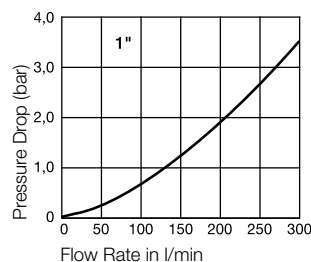
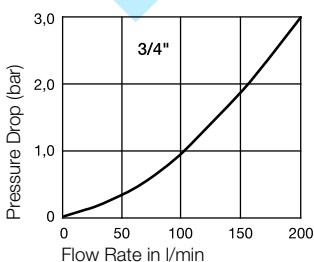
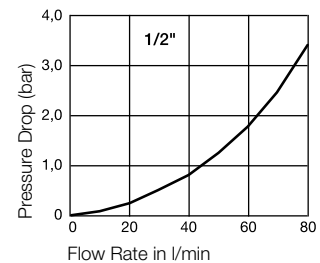
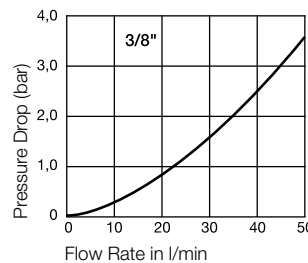
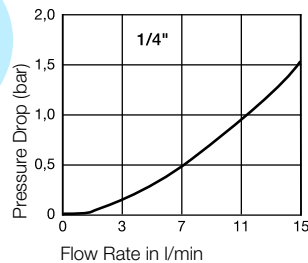
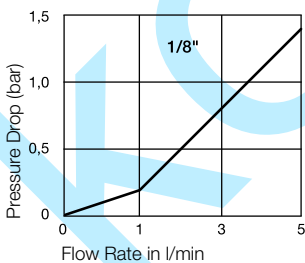
Applications

- Semiconductor industry, steel manufacturing
- Pneumatic and hydraulic hand tools
- Food and bottling industry
- Boating, shipbuilding and offshore industry
- Pharmaceutical industry, laboratories
- Transport
- Power generation plants, hydroelectric power stations

Material Coupling	Brass	Steel	AISI 303	AISI 316
Coupling Body	Brass	Steel	AISI 303	AISI 316
Sleeve	Brass	Steel	AISI 303	AISI 316
Back-up Ring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Valve	Brass	Steel	AISI 303	AISI 316
Springs	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Locking Balls	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seals	NBR	NBR	NBR	FKM
Valve Holder	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Thread Body	Brass	Steel	AISI 303	AISI 316

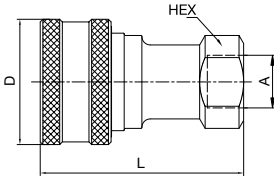
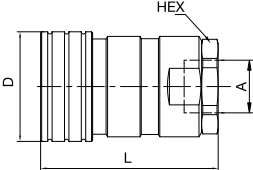
Material Plug	Brass	Steel	AISI 303	AISI 316
Plug Body	Brass	Steel	AISI 303	AISI 316
Valve	Brass	Steel	AISI 303	AISI 316
Springs	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seals	NBR	NBR	NBR	FKM
Valve Holder	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Thread Body	Brass	Steel	AISI 303	AISI 316

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



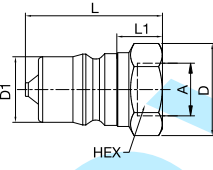
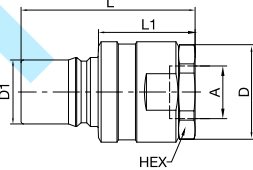
Couplings

60-Series Brass

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 <p>Female Thread</p>	1/8"	1/8"	BSPP	11/16"	48,3		24,4		Brass	87	BH1-60-BSPP
	1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		Brass	80	BH1-60
	1/4"	1/4"	BSPP	13/16"	61,2		29		Brass	158	BH2-60-BSPP
	1/4"	1/4" - 18	NPTF	13/16"	57,4		29		Brass	145	BH2-60
	3/8"	3/8"	BSPP	1"	69,9		35,6		Brass	260	BH3-60-BSPP
	3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		Brass	195	BH3-60
	1/2"	1/2"	BSPP	1 1/8"	77,5		45		Brass	383	BH4-60-BSPP
	1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45		Brass	365	BH4-60
	3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		Brass	642	BH6-60-BSPP
	3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		Brass	630	BH6-60
	1"	1"	BSPP	1 5/8"	106,2		64		Brass	970	BH8-60-BSPP
	1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64		Brass	980	BH8-60
 <p>Female Thread</p>	1 1/2"	1 1/4"	BSPP	2 3/8"	123,4		76,2		Brass	2145	BH12-60L-BSPP
	1 1/2"	1 1/2"	BSPP	2 3/8"	127,3		76,2		Brass	2130	BH12-60N-BSPP
	1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Brass	2080	BH12-60L
	1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Brass	2080	BH12-60N
	2 1/2"	2"	BSPP	3 3/4"	145		101,1		Brass	5500	BH2016-60-BSPP
	2 1/2"	2" - 11 1/2	NPTF	3 3/4"	141,5		101,1		Brass	5015	BH2016-60

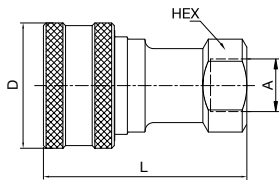
Plugs

60-Series Brass

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 <p>Female Thread</p>	1/8"	1/8"	BSPP	9/16"	32	10,5	16,4	10,8	Brass	19	BH1-61-BSPP
	1/8"	1/8" - 27	NPTF	9/16"	32	11,2	16,5	10,8	Brass	19	BH1-61
	1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	Brass	45	BH2-61-BSPP
	1/4"	1/4" - 18	NPTF	3/4"	39,1	14	21,9	14,2	Brass	46	BH2-61
	3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	Brass	74	BH3-61-BSPP
	3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	Brass	62	BH3-61
	1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	Brass	131	BH4-61-BSPP
	1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33	23,5	Brass	118	BH4-61
	3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	Brass	235	BH6-61-BSPP
	3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	Brass	229	BH6-61
	1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	Brass	368	BH8-61-BSPP
	1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	Brass	378	BH8-61
 <p>Female Thread</p>	1 1/2"	1 1/4"	BSPP	2 3/8"	120,9	67,5	74,7	44,5	Brass	1450	BH12-61L-BSPP
	1 1/2"	1 1/2"	BSPP	2 3/8"	124,7	67,5	74,7	44,5	Brass	1450	BH12-61N-BSPP
	1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Brass	1340	BH12-61L
	1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Brass	1340	BH12-61N
	2 1/2"	2"	BSPP	3 3/4"	142,7	77,3	104,1	63,2	Brass	3855	BH2016-61-BSPP
	2 1/2"	2" - 11 1/2	NPTF	3 3/4"	139,2	73,7	104,1	63,2	Brass	3530	BH2016-61

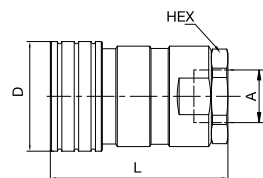
Couplings

60-Series Steel



Female Thread

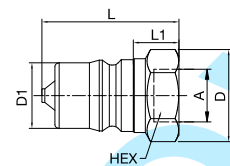
Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	11/16"	48,3		24,4		Steel	81	H1-62-BSPP
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		Steel	81	H1-62
1/4"	1/4"	BSPP	13/16"	61,2		29,0		Steel	130	H2-62-BSPP
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		Steel	138	H2-62
3/8"	3/8"	BSPP	1"	69,9		35,6		Steel	241	H3-62-BSPP
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		Steel	184	H3-62
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		Steel	360	H4-62-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		Steel	341	H4-62
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		Steel	602	H6-62-BSPP
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		Steel	592	H6-62
1"	1"	BSPP	1 5/8"	106,2		64,0		Steel	906	H8-62-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		Steel	914	H8-62
1 1/2"	1 1/4"	BSPP	2 3/8"	123,4		76,2		Steel	2135	H12-62L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	127,3		76,2		Steel	2060	H12-62N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Steel	2130	H12-62L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Steel	2130	H12-62N
2 1/2"	2"	BSPP	3 3/4"	145		104,1		Steel	4800	H2016-62-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	141,5		104,1		Steel	4800	H2016-62
2 1/2"	2 1/2" - 8	NPTF	3 3/4"	153,4		104,1		Steel	4950	H2020-62



Female Thread

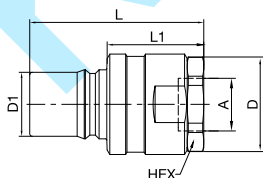
Plugs

60-Series Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	9/16"	32	10,5	16,4	10,8	Steel	18	H1-63-BSPP
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	Steel	18	H1-63
1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	Steel	38	H2-63-BSPP
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	Steel	36	H2-63
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	Steel	68	H3-63-BSPP
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	Steel	56	H3-63
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	Steel	122	H4-63-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33	23,5	Steel	109	H4-63
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	Steel	217	H6-63-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	Steel	210	H6-63
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	Steel	340	H8-63-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	Steel	351	H8-63
1 1/2"	1 1/4"	BSPP	2 3/8"	120,9	67,5	69,9	44,5	Steel	1410	H12-63L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	124,7	71,1	69,9	44,5	Steel	1280	H12-63N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Steel	1365	H12-63L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Steel	1405	H12-63N
2 1/2"	2"	BSPP	3 3/4"	142,7	69,4	104,1	63,2	Steel	3580	H2016-63-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	139,2	65,9	104,1	63,2	Steel	3580	H2016-63
2 1/2"	2 1/2" - 8	NPTF	3 3/4"	151,1	83,4	104,1	63,2	Steel	3700	H2020-63

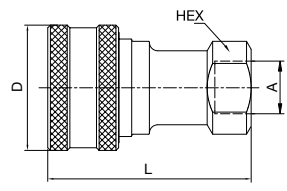


Female Thread

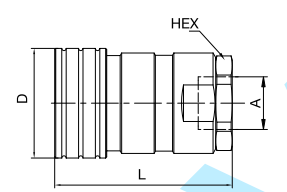
Couplings

60-Series Stainless Steel

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	11/16"	48,3		24,4		AISI 303	81	SH1-62-BSPP
1/8"	1/8"	BSPP	14 mm	48,3		24,0		AISI 316	74	SSH1-62Y-BSPP*
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		AISI 303	81	SH1-62
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		AISI 316	74	SSH1-62Y*
1/4"	1/4"	BSPP	19 mm	61,2		29,0		AISI 303	129	SH2-62-BSPP
1/4"	1/4"	BSPP	13/16"	61,2		29,0		AISI 316	132	SSH2-62Y-BSPP*
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		AISI 303	128	SH2-62
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		AISI 316	138	SSH2-62Y*
3/8"	3/8"	BSPP	1"	69,9		35,6		AISI 303	245	SH3-62-BSPP
3/8"	3/8"	BSPP	1"	69,9		35,6		AISI 316	187	SSH3-62Y-BSPP*
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		AISI 303	186	SH3-62
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		AISI 316	180	SSH3-62Y*
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		AISI 303	360	SH4-62-BSPP
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		AISI 316	367	SSH4-62Y-BSPP*
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		AISI 303	341	SH4-62
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		AISI 316	346	SSH4-62Y*
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		AISI 303	603	SH6-62-BSPP
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		AISI 316	610	SSH6-62Y-BSPP*
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		AISI 303	595	SH6-62
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		AISI 316	592	SSH6-62Y*
1"	1"	BSPP	1 5/8"	106,2		64,0		AISI 303	908	SH8-62-BSPP
1"	1"	BSPP	41 mm	106,2		64,0		AISI 316	899	SSH8-62Y-BSPP*
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		AISI 303	924	SH8-62
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		AISI 316	901	SSH8-62Y*
1 1/2"	1 1/2"	BSPP	2 1/2"	127,3		76,2		AISI 303	2090	SH12-62N-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		AISI 303	2090	SH12-62N



Female Thread

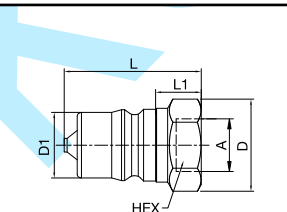


Female Thread

Plugs

60-Series Stainless Steel

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	9/16"	32,0	10,5	16,4	10,8	AISI 303	18	SH1-63-BSPP
1/8"	1/8"	BSPP	17 mm	32,0	10,5	19,6	10,8	AISI 316	22	SSH1-63Y-BSPP*
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	AISI 303	18	SH1-63
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	AISI 316	18	SSH1-63Y*
1/4"	1/4"	BSPP	19 mm	39,1	16,6	21,9	14,2	AISI 303	36	SH2-63-BSPP
1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	AISI 316	42	SSH2-63Y-BSPP*
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	AISI 303	37	SH2-63
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	AISI 316	37	SSH2-63Y*



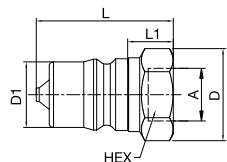
Female Thread

*Suffix Y designates FKM seal.

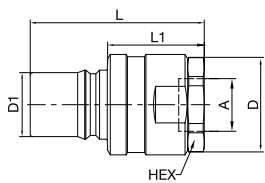
Plugs

60-Series Stainless Steel

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	AISI 303	69	SH3-63-BSPP
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	AISI 316	60	SSH3-63Y-BSPP*
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	AISI 303	58	SH3-63
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	AISI 316	55	SSH3-63Y*
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	AISI 303	122	SH4-63-BSPP
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	AISI 316	123	SSH4-63Y-BSPP*
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33,0	23,5	AISI 303	109	SH4-63
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33,0	23,5	AISI 316	109	SSH4-63Y*
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	AISI 303	217	SH6-63-BSPP
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	AISI 316	218	SSH6-63-BSPP*
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	AISI 303	212	SH6-63
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	AISI 316	210	SSH6-63Y*
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	AISI 303	345	SH8-63-BSPP
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	AISI 316	340	SH8-63Y-BSPP*
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	AISI 303	356	SH8-63
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	AISI 316	345	SSH8-63Y*
1 1/2"	1 1/2"	BSPP	2 1/2"	124,7	67,5	69,9	44,5	AISI 303	1315	SH12-63N-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	AISI 303	1315	SH12-63N



Female Thread



Female Thread

* Suffix Y designates FKM seal.

Dust Protection

60-Series

Body Size	Version	Material	Part Number
1/8"	for coupling	Aluminium	H1-65
1/8"	for coupling	Rubber	H1-65M
1/8"	for plug	Aluminium	H1-66
1/8"	for plug	Rubber	H1-66M
1/4"	for coupling	Aluminium	H2-65
1/4"	for coupling	Rubber	H2-65M
1/4"	for plug	Aluminium	H2-66
1/4"	for plug	Rubber	H2-66M
3/8"	for coupling	Aluminium	H3-65
3/8"	for coupling	Rubber	H3-65M
3/8"	for plug	Aluminium	H3-66
3/8"	for plug	Rubber	H3-66M

Stainless steel AISI 316 dust protections are available on request.

Dust Protection

60-Series

Body Size	Version	Material	Part Number
1/2"	for coupling	Aluminium	H4-65
1/2"	for coupling	Rubber	H4-65M
1/2"	for plug	Aluminium	H4-66
1/2"	for plug	Rubber	H4-66M
3/4"	for coupling	Aluminium	H6-65
3/4"	for coupling	Rubber	H6-65M
3/4"	for plug	Aluminium	H6-66
3/4"	for plug	Rubber	H6-66M
1"	for coupling	Aluminium	H8-65
1"	for coupling	Rubber	H8-65M
1"	for plug	Aluminium	H8-66
1"	for plug	Rubber	H8-66M
1 1/2"	for coupling	Aluminium	H12-65
1 1/2"	for plug	Aluminium	H12-66

Seal-Kit

60-Series

Body Size	Version	Material	Part Number
1/8"	Body Seal	NBR	020013N0674
1/8"	Body Seal	FKM	020013V0747
1/8"	Back-up Ring ²	PTFE	H67A-28
1/4"	Body Seal	NBR	020015N0674
1/4"	Body Seal	FKM	020015V0747
1/4"	Back-up Ring ²	PTFE	H67C-28
3/8"	Body Seal	NBR	020116N0674
3/8"	Body Seal	FKM	020116V0747
3/8"	Back-up Ring ²	PTFE	4118007
1/2"	Body Seal	NBR	020213N0674
1/2"	Body Seal	FKM	020213V0747
1/2"	Back-up Ring ²	PTFE	4128002
3/4"	Body Seal	NBR	020218N0674
3/4"	Body Seal	FKM	020218V0747
3/4"	Back-up Ring ²	PTFE	4148001
1"	Body Seal	NBR	020222N0674
1"	Body Seal	FKM	020222V0747
1"	Back-up Ring ²	PTFE	4158001
1 1/2"	Body Seal	NBR	020224N0674 ¹
2 1/2"	Body Seal	NBR	020333N0674

¹ Two body seals are necessary

² Brass 60 series couplers use two O-rings but do not use a back-up ring.



Body Size

1/4" up to 1"

ISO B-Profile

Tema IB-Series

Medium Pressure



Technical Description

The Tema IB series plug profiles conform to ISO Standard 7241-1 series B and are compatible with other series complying with the same standard. To optimize performance and corrosion resistance the female is made from brass and the male hardend steel.

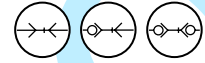
Advantages

Option with pressure eliminator function allows for effortless connection with static and residual pressure, up to operating pressure. It is available in the IB series for plugs and couplings. Option with heavy duty sleeve gives longer life time in very tough applications.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium. Special seals are available on request (see page 6).

Available Valves



Working Pressure

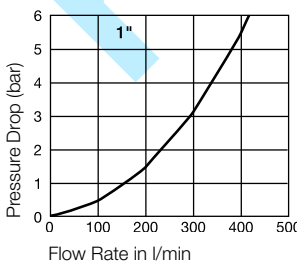
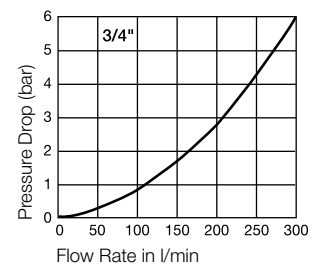
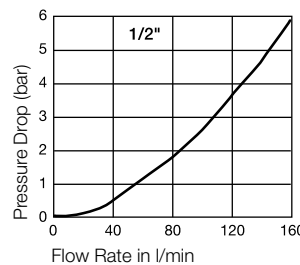
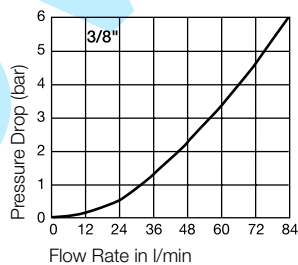
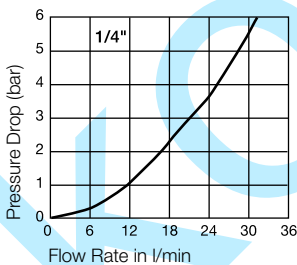
See charts.

Applications Area



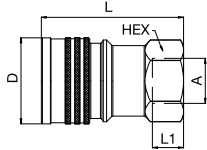
Material Coupling	Standard / Pressure Eliminator
Coupling Body Size 1/4" to 1/2"	Brass, nickel and chrome plated
Coupling Body Size 3/4" to 1"	Steel zinc plated, passivated, sealed
Sleeve Size 1/4"	Brass, nickel and chrome plated
Sleeve Size 3/8" to 1"	Steel zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc casting
Valve Holder (over 100°C)	Brass
Material Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting Size 3/8" & 1/2", Brass Size 1/4", 3/4", 1"
Valve Holder (over 100°C)	Brass

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Couplings

IB-Series

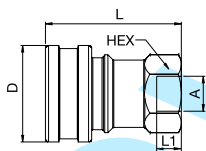


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	24	57	12	28		with	400	Standard	NBR	IB2510
1/4"	G 1/4	24	57	12	28		with	400	Standard	FKM	IB2510 V
1/4"	G 1/4	24	57	12	28		without	400	Standard	NBR	IB2510 UV
1/4"	G 1/4	24	57	12	28		without	400	Standard	FKM	IB2510 VUV
3/8"	G 3/8	30	63	12	34		with	320	Standard	NBR	IB3810
3/8"	G 3/8	30	63	12	34		with	320	Standard	FKM	IB3810 V
3/8"	G 3/8	30	63	12	34		without	320	Standard	NBR	IB3810 UV
3/8"	G 3/8	30	63	12	34		without	320	Standard	FKM	IB3810 VUV
1/2"	G 1/2	33	66	14	39		with	300	Standard	NBR	IB5010
1/2"	G 1/2	33	66	14	39		with	300	Standard	FKM	IB5010 V
1/2"	G 1/2	33	66	14	39		without	300	Standard	NBR	IB5010 UV
1/2"	G 1/2	33	66	14	39		without	300	Standard	FKM	IB5010 VUV
3/4"	G 3/4	46	81	16	52		with	300	Standard	NBR	IB7510
3/4"	G 3/4	46	81	16	52		with	300	Standard	FKM	IB7510 V
3/4"	G 3/4	46	81	16	52		without	300	Standard	NBR	IB7510 UV
3/4"	G 3/4	46	81	16	52		without	300	Standard	FKM	IB7510 VUV
1"	G 1	50	94	18	62		with	250	Standard	NBR	IB10010
1"	G 1	50	94	18	62		with	250	Standard	FKM	IB10010 V
1"	G 1	50	94	18	62		without	250	Standard	NBR	IB10010 UV
1"	G 1	50	94	18	62		without	250	Standard	FKM	IB10010 VUV

Couplings with Heavy Duty Sleeve

IB-Series

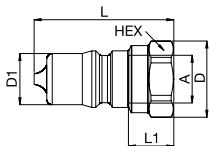


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/2"	G 1/2	33	66	14	47		with	300	Standard	NBR	IB5010 H
1/2"	G 1/2	33	66	14	47		without	300	Standard	NBR	IB5010 HUV
3/4"	G 3/4	46	81	16	56		with	300	Standard	NBR	IB7510 H
3/4"	G 3/4	46	81	16	56		without	300	Standard	NBR	IB7510 HUV
1"	G 1	50	94	18	66		with	250	Standard	NBR	IB10010 H
1"	G 1	50	94	18	66		with	250	Standard	FKM	IB10010 HV
1"	G 1	50	94	18	66		without	250	Standard	NBR	IB10010 HUV
1"	G 1	50	94	18	66		without	250	Standard	FKM	IB10010 HVUV

Plugs

IB-Series

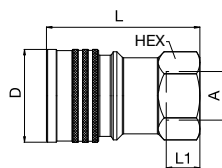


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	19	38	12	21	14,1	with	400	Standard	NBR	IB2520
1/4"	G 1/4	19	38	12	21	14,1	with	400	Standard	FKM	IB2520 V
1/4"	G 1/4	19	38	12	21	14,1	without	400	Standard	-	IB2520 UV
3/8"	G 3/8	22	42	12	24	19	with	320	Standard	NBR	IB3820
3/8"	G 3/8	22	42	12	24	19	with	320	Standard	FKM	IB3820 V
3/8"	G 3/8	22	38	12	24	19	without	320	Standard	-	IB3820 UV
1/2"	G 1/2	28	48	14	31	23,6	with	300	Standard	NBR	IB5020
1/2"	G 1/2	28	48	14	31	23,6	with	300	Standard	FKM	IB5020 V
1/2"	G 1/2	28	42	14	31	23,6	without	300	Standard	-	IB5020 UV
3/4"	G 3/4	36	59	24	39	31,4	with	300	Standard	NBR	IB7520
3/4"	G 3/4	36	59	24	39	31,4	with	300	Standard	FKM	IB7520 V
3/4"	G 3/4	36	53	24	39	31,4	without	300	Standard	-	IB7520 UV
1"	G 1	42	70	18	46	37,8	with	300	Standard	NBR	IB10020
1"	G 1	42	70	18	46	37,8	with	300	Standard	FKM	IB10020 V
1"	G 1	42	70	18	46	37,8	without	300	Standard	-	IB10020 UV

Couplings

IB-Series

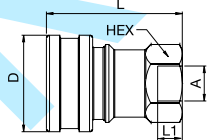


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	24	57	12	28		with	400	Press. Elim.	NBR	IB2511
1/4"	G 1/4	24	57	12	28		with	400	Press. Elim.	FKM	IB2511 V
3/8"	G 3/8	30	63	12	34		with	320	Press. Elim.	NBR	IB3811
3/8"	G 3/8	30	63	12	34		with	320	Press. Elim.	FKM	IB3811 V
1/2"	G 1/2	33	66	14	39		with	300	Press. Elim.	NBR	IB5011
1/2"	G 1/2	33	66	14	39		with	300	Press. Elim.	FKM	IB5011 V
3/4"	G 3/4	46	81	16	52		with	300	Press. Elim.	NBR	IB7511
3/4"	G 3/4	46	81	16	52		with	300	Press. Elim.	FKM	IB7511 V
1"	G 1	50	94	18	62		with	300	Press. Elim.	NBR	IB10011

Couplings with Heavy Duty Sleeve

IB-Series

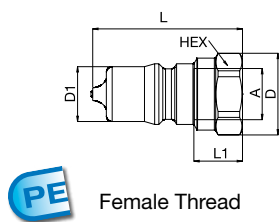


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/2"	G 1/2	33	66	14	47		with	300	Press. Elim.	NBR	IB5011 H
3/4"	G 3/4	46	81	16	56		with	300	Press. Elim.	NBR	IB7511 H
1"	G 1	50	94	18	66		with	300	Press. Elim.	NBR	IB10011 H

Plugs

IB-Series



Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	19	38	12	21	14,1	with	400	Press. Elim.	NBR	IB2521
1/4"	G 1/4	19	38	12	21	14,1	with	400	Press. Elim.	FKM	IB2521 V
3/8"	G 3/8	22	42	12	24	19	with	320	Press. Elim.	NBR	IB3821
3/8"	G 3/8	22	42	12	24	19	with	320	Press. Elim.	FKM	IB3821 V
1/2"	G 1/2	28	48	14	31	23,6	with	300	Press. Elim.	NBR	IB5021
1/2"	G 1/2	28	48	14	31	23,6	with	300	Press. Elim.	FKM	IB5021 V
3/4"	G 3/4	36	59	24	39	31,4	with	300	Press. Elim.	NBR	IB7521
3/4"	G 3/4	36	59	24	39	31,4	with	300	Press. Elim.	FKM	IB7521 V
1"	G 1	42	70	18	46	37,8	with	300	Press. Elim.	NBR	IB10021

Seal-Kit

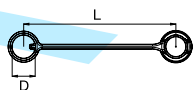
IB-Series

Body Size	Version	Material	Part Number
1/4"	for coupling	NBR	IB2500-PSN
1/4"	for coupling	FKM	IB2500-PSV
3/8"	for coupling	NBR	IB3800-PSN
3/8"	for coupling	FKM	IB3800-PSV
1/2"	for coupling	NBR	IB5000-PSN
1/2"	for coupling	FKM	IB5000-PSV
3/4"	for coupling	NBR	IB7500-PSN
3/4"	for coupling	FKM	IB7500-PSV
1"	for coupling	NBR	IB10000-PSN
1"	for coupling	FKM	IB10000-PSV

Further sealing materials on request.

Dust Protection

IB-Series



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/4"	for coupling	145	19	PVC	Blue	IB2516
1/4"	for coupling	145	19	PVC	Yellow	IB2516 Y
3/8"	for coupling	145	19	PVC	Blue	IB3816
1/2"	for coupling	170	60	PVC	Blue	IB5016
3/4"	for coupling	195	33	PVC	Blue	IB7516
1"	for coupling	230	42	PVC	Blue	IB10016
1/4"	for plug	145	19	PVC	Blue	IB2526
1/4"	for plug	145	19	PVC	Yellow	IB2526 Y
3/8"	for plug	145	19	PVC	Blue	IB3826
1/2"	for plug	170	52	PVC	Blue	IB5026
3/4"	for plug	195	33	PVC	Blue	IB7526
1"	for plug	230	42	PVC	Blue	IB10026

Further colors on request.



Body Size

1/8" up to 1"

ISO Standard 16028

FEM- / IF-Series

Medium Pressure



Technical Description

The FEM, FEC and IF series plug profile are produced according to ISO Standard 16028 and are compatible with other series complying with the same standard. These couplings offer a leakage free disconnection – minimal oil loss during uncoupling. Thanks to the valve design, the coupling has a minimum pressure drop, and thus achieves maximum cost-effectiveness. Exists in standard version (steel) and stainless steel.

Advantages

- Can be operated with use of one hand.
- Safety locking feature as standard to prevent unintentional uncoupling.
- FEC with the pressure eliminator enable effortless connection under static pressure (up to rated working pressure).
- FEMP and FECP with push-pull features is suitable for multi-plates or when coupling is fixed on an application.

Working Pressure

See charts.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium. Special seals are available on request (see page 6).

Available Valves

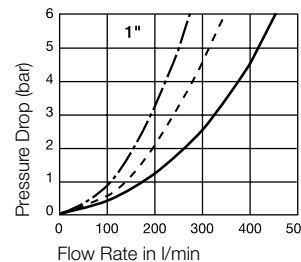
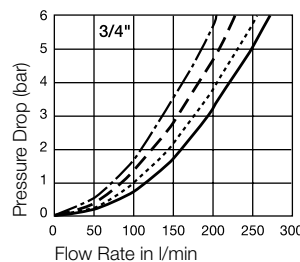
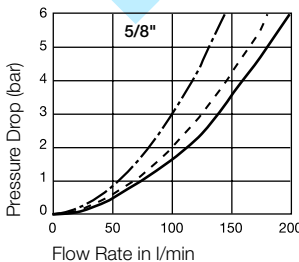
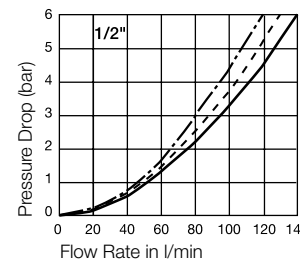
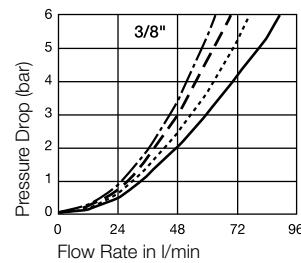
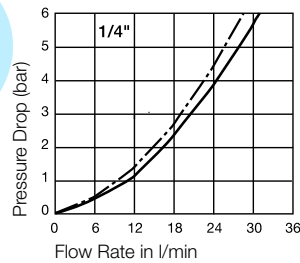
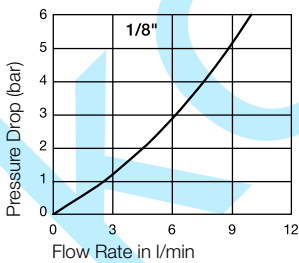


Applications Area



Material Coupling	FEM-Series: Standard / Steel	FEC-Series: Push-Pull/Press. Elimin.	IF-Series Stainl. Steel
Coupling Body	Steel, zinc plated, passivated, sealed	Steel, nitrocarburizing	AISI 316
Sleeve	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	AISI 316
Valve	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve		Brass	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR	NBR	FKM
Valve Holder	Steel, zinc plated, passivated	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve Holder (up to 100°C)		Zinc Casting (NBR)	
2nd Valve Holder (over 100°C)		Brass (EPDM/FKM)	AISI 316
Thread Body	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	
Material Plug	FEM-Series: Standard / Steel	FEC-Series: Push-Pull/Press. Elimin.	IF-Series Stainl. Steel
Plughousing	Steel hardened, zinc plated, passiv., sealed	Steel hardened, zinc plated, passiv., sealed	AISI 316
Valve	Steel	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve		Brass	
Springs	AISI 301	AISI 301	AISI 301
Seals	NBR/PUR	NBR	FKM
Valve Holder	Brass	Brass	AISI 316
2nd Valve Holder (up to 100°C)		Zinc Casting (NBR)	
2nd Valve Holder (over 100°C)		Brass (EPDM/FKM)	AISI 316
Thread Body	Steel	Steel	AISI 316

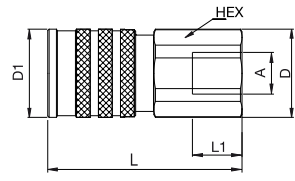
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



- Standard FEM
 - - - Both side pressure eliminator
 - · - Couplings side pressure eliminator
 - · · Plug side pressure eliminator
 - - - One side pressure eliminator
- (No difference in pressure drop / flow rate for the coupling and plug)

Couplings

FEM-Series

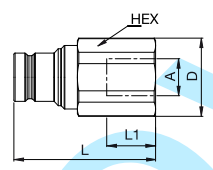


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/8"	G 1/8	19	40	8	20,5	20	450	Standard	NBR	FEM-121-2FB
1/4"	G 1/4	27	64	12	29,5	29	315	Standard	NBR	FEM-251-4FB
1/4"	G 3/8	27	64	12	29,5	29	315	Standard	NBR	FEM-251-6FB
3/8"	G 3/8	30	71	12	32	32	250	Standard	NBR	FEM-371-6FB
3/8"	G 1/2	30	73	14	32	32	250	Standard	NBR	FEM-371-8FB
1/2"	G 1/2	36	76	14	40	39	250	Standard	NBR	FEM-501-8FB
1/2"	G 3/4	36	80	16	40	39	250	Standard	NBR	FEM-501-12FB
5/8"	G 3/4	40	82	16	43	42	250	Standard	NBR	FEM-621-12FB
3/4"	G 3/4	46	96	16	50	46	250	Standard	NBR	FEM-751-12FB
3/4"	G 1	46	102	18	50	46	250	Standard	NBR	FEM-751-16FB
1"	G 1	55	105	18	60	55	200	Standard	NBR	FEM-1001-16FB
1"	G 1 1/4	55	106	19	60	55	200	Standard	NBR	FEM-1001-20FB

Plugs

FEM-Series



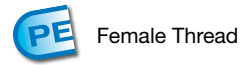
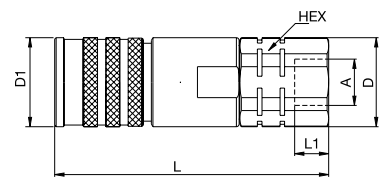
Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/8"	G 1/8	17	35	8	18,6		450	Standard	NBR	FEM-122-2FB
1/4"	G 1/4	22	49	12	24,5		315	Standard	NBR	FEM-252-4FB
1/4"	G 3/8	22	49	12	24,5		315	Standard	NBR	FEM-252-6FB
3/8"	G 3/8	30	58	12	32		250	Standard	NBR	FEM-372-6FB
3/8"	G 1/2	30	60	12	32		250	Standard	NBR	FEM-372-8FB
1/2"	G 1/2	36	66	14	40		250	Standard	NBR	FEM-502-8FB
1/2"	G 3/4	36	70	16	40		250	Standard	NBR	FEM-502-12FB
5/8"	G 3/4	36	71	16	40		250	Standard	NBR	FEM-622-12FB
3/4"	G 3/4	46	77	16	50		250	Standard	NBR	FEM-752-12FB
3/4"	G 1	46	83	18	50		250	Standard	NBR	FEM-752-16FB
1"	G 1	55	89	18	60		200	Standard	NBR	FEM-1002-16FB
1"	G 1 1/4	55	90	19	60		200	Standard	NBR	FEM-1002-20FB

* For the old part number please have a look on the Cross-Reference-List on page 43.

Couplings

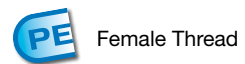
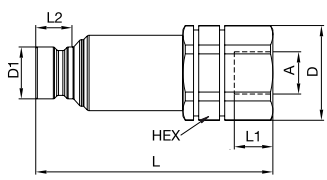
FEM-Series



Body Size	Connec-tion A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	91	12		29,5	29	315	Press. Elimin.	NBR	FEC-251-4FB
1/4"	G 3/8	27	91	12		29,5	29	315	Press. Elimin.	NBR	FEC-251-6FB
3/8"	G 3/8	30	99	12		32	32	250	Press. Elimin.	NBR	FEC-371-6FB
3/8"	G 1/2	30	101	14		32	32	250	Press. Elimin.	NBR	FEC-371-8FB
1/2"	G 1/2	40	112	14		43	39	250	Press. Elimin.	NBR	FEC-501-8FB
1/2"	G 3/4	40	115	16		43	39	250	Press. Elimin.	NBR	FEC-501-12FB
5/8"	G 3/4	40	117	16		43	42	250	Press. Elimin.	NBR	FEC-621-12FB
3/4"	G 3/4	50	130	16		54	46	250	Press. Elimin.	NBR	FEC-751-12FB
3/4"	G 1	50	136	16		54	46	250	Press. Elimin.	NBR	FEC-751-16FB
1"	G 1	55	143	18		60	55	250	Press. Elimin.	NBR	FEC-1001-16FB
1"	G 1 1/4	55	146	20		60	55	250	Press. Elimin.	NBR	FEC-1001-20FB

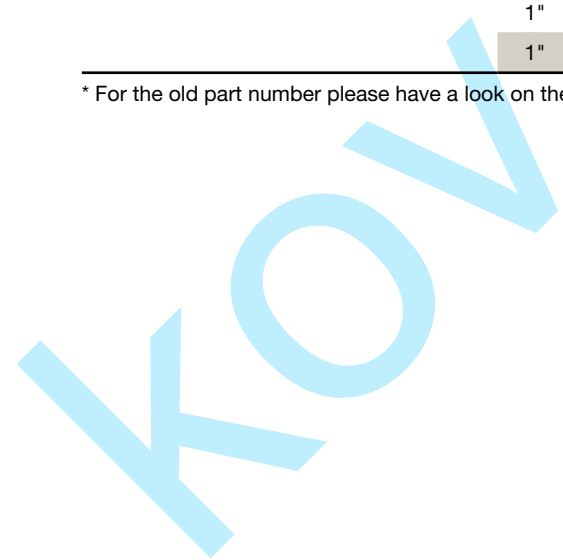
Plugs

FEM-Series



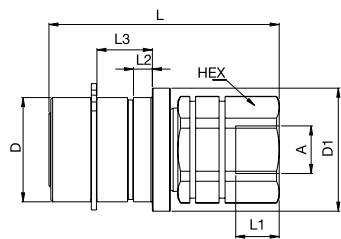
Body Size	Connec-tion A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	74	12	11,3	29,5	16,1	315	Press. Elimin.	NBR	FEC-252-4FB
1/4"	G 3/8	27	74	12	11,3	29,5	16,1	315	Press. Elimin.	NBR	FEC-252-6FB
3/8"	G 3/8	30	87	12	16,1	32	19,7	250	Press. Elimin.	NBR	FEC-372-6FB
3/8"	G 1/2	30	89	14	16,1	32	19,7	250	Press. Elimin.	NBR	FEC-372-8FB
1/2"	G 1/2	40	98	14	17	43	24,5	250	Press. Elimin.	NBR	FEC-502-8FB
1/2"	G 3/4	40	101	16	17	43	24,5	250	Press. Elimin.	NBR	FEC-502-12FB
5/8"	G 3/4	40	101	16	17,7	43	27	250	Press. Elimin.	NBR	FEC-622-12FB
3/4"	G 3/4	50	114	16	22	54	30	250	Press. Elimin.	NBR	FEC-752-12FB
3/4"	G 1	50	120	16	22	54	30	250	Press. Elimin.	NBR	FEC-752-16FB
1"	G 1	55	126	18	23,3	60	36	200	Press. Elimin.	NBR	FEC-1002-16FB
1"	G 1 1/4	55	130	20	23,3	60	36	200	Press. Elimin.	NBR	FEC-1002-20FB

* For the old part number please have a look on the Cross-Reference-List on page 43.



Couplings

FEM-Series

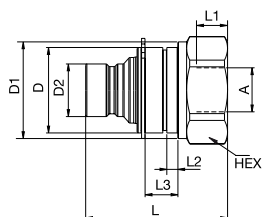


Female Thread
Provided with Circlip acc. DIN 471

Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	64	12	5,2	15,3	28,8	34		315	for Multiplate	NBR	FEMP-251-4FB
1/4"	G 3/8	27	64	12	5,2	15,3	28,8	34		315	for Multiplate	NBR	FEMP-251-6FB
3/8"	G 3/8	30	71	12	5,2	15,3	31,8	38		250	for Multiplate	NBR	FEMP-371-6FB
3/8"	G 1/2	30	73	14	5,2	15,3	31,8	38		250	for Multiplate	NBR	FEMP-371-8FB
1/2"	G 1/2	36	76	14	5,2	15,3	39,8	46		250	for Multiplate	NBR	FEMP-501-8FB
1/2"	G 3/4	36	80	16	5,2	15,3	39,8	46		250	for Multiplate	NBR	FEMP-501-12FB
5/8"	G 3/4	40	82	16	5,2	15,3	41,8	48		250	for Multiplate	NBR	FEMP-621-12FB
3/4"	G 3/4	46	95	16	5,2	15,3	46,8	53		250	for Multiplate	NBR	FEMP-751-12FB
3/4"	G 1	46	101	18	5,2	15,3	46,8	53		250	for Multiplate	NBR	FEMP-751-16FB
1"	G 1	55	105	18	5,2	15,3	59,8	65		250	for Multiplate	NBR	FEMP-1001-16FB
1"	G 1 1/4	55	109	20	5,2	15,3	59,8	65		250	for Multiplate	NBR	FEMP-1001-20FB

Plugs

FEM-Series

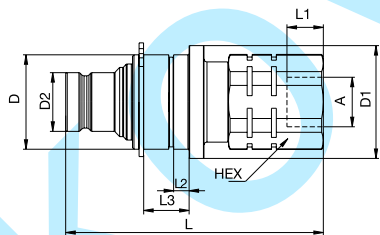


Female Thread
Provided with Circlip acc. DIN 471

Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	32	49	12	5,2	15,3	28,8	32	16,1	315	for Multiplate	PUR	FEMP-252-4FB
3/8"	G 3/8	30	58	12	5,2	15,3	31,8	36	19,8	250	for Multiplate	PUR	FEMP-372-6FB
1/2"	G 1/2	45	66	14	5,2	15,3	39,8	45	24,5	250	for Multiplate	PUR	FEMP-502-8FB
5/8"	G 3/4	46	71	16	5,2	15,3	39,8	46	27	250	for Multiplate	PUR	FEMP-622-12FB
3/4"	G 3/4	50	83	16	5,2	15,3	46,8	50	30	250	for Multiplate	PUR	FEMP-752-12FB
1"	G 1	65	89	18	5,2	15,3	59,8	65	36	200	for Multiplate	PUR	FEMP-1002-16FB

Plugs

FEM-Series



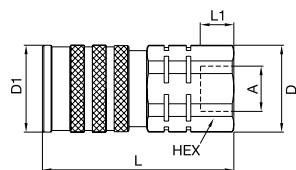
Female Thread
Provided with Circlip acc. DIN 471

Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	NBR	FECP-252-4FB
1/4"	G 3/8	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	NBR	FECP-252-6FB
3/8"	G 3/8	30	87	12	5,2	15,3	31,8	38	19,8	250	Press. El. f. Multiplate	NBR	FECP-372-6FB
3/8"	G 1/2	30	89	14	5,2	15,3	31,8	38	19,8	250	Press. El. f. Multiplate	NBR	FECP-372-8FB
1/2"	G 1/2	40	98	14	5,2	15,3	39,8	46	24,5	250	Press. El. f. Multiplate	NBR	FECP-502-8FB
1/2"	G 3/4	40	101	16	5,2	15,3	39,8	46	24,5	250	Press. El. f. Multiplate	NBR	FECP-502-12FB
5/8"	G 3/4	40	101	16	5,2	15,3	41,8	46	27	250	Press. El. f. Multiplate	NBR	FECP-622-12FB
3/4"	G 3/4	50	114	16	5,2	15,3	46,8	53	30	250	Press. El. f. Multiplate	NBR	FECP-752-12FB
3/4"	G 1	50	120	16	5,2	15,3	46,8	53	30	250	Press. El. f. Multiplate	NBR	FECP-752-16FB
1"	G 1	55	126	18	5,2	15,3	59,8	65	36	200	Press. El. f. Multiplate	NBR	FECP-1002-16FB
1"	G 1 1/4	55	130	20	5,2	15,3	59,8	65	36	200	Press. El. f. Multiplate	NBR	FECP-1002-20FB

* For the old part number please have a look on the Cross-Reference-List on page 43.

Couplings

IF-Series Stainless Steel

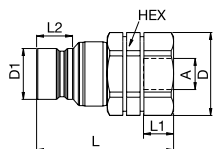


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	27	64	12		29,5	29	315	Stainl. Steel	FKM	IF2510 RV
3/8"	G 3/8	30	71	12		32	32	250	Stainl. Steel	FKM	IF3810 RV
3/8"	G 1/2	30	73	14		32	32	250	Stainl. Steel	FKM	IF3810-50 RV
1/2"	G 1/2	36	76	14		40	39	250	Stainl. Steel	FKM	IF5010 RV
1/2"	G 3/4	36	80	16		40	39	250	Stainl. Steel	FKM	IF5010-75 RV
5/8"	G 3/4	40	82	16		43	42	250	Stainl. Steel	FKM	IF6310 RV
3/4"	G 3/4	46	96	16		50	46	250	Stainl. Steel	FKM	IF7510 RV
3/4"	G 1	46	102	18		50	46	250	Stainl. Steel	FKM	IF7510-100 RV
1"	G 1	55	109	20		60	55	200	Stainl. Steel	FKM	IF10010 RV
1"	G 1 1/4	55	105	18		60	55	200	Stainl. Steel	FKM	IF10010-125 RV

Plugs

IF-Series Stainless Steel

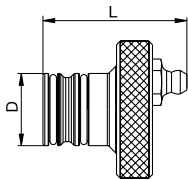


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	22	49	12	11,3	24,5	16,1	315	Stainl. Steel	FKM	IF2520 RV
3/8"	G 3/8	30	58	12	16,1	32	19,7	250	Stainl. Steel	FKM	IF3820 RV
3/8"	G 1/2	30	60	12	16,1	32	19,7	250	Stainl. Steel	FKM	IF3820-50 RV
1/2"	G 1/2	36	66	14	17	40	24,5	250	Stainl. Steel	FKM	IF5020 RV
1/2"	G 3/4	36	70	16	17	40	24,5	250	Stainl. Steel	FKM	IF5020-75 RV
5/8"	G 3/4	36	71	16	17,7	40	27	250	Stainl. Steel	FKM	IF6320 RV
3/4"	G 3/4	46	77	16	22	50	30	250	Stainl. Steel	FKM	IF7520 RV
3/4"	G 1	46	83	18	22	50	30	250	Stainl. Steel	FKM	IF7520-100 RV
1"	G 1	55	89	20	23,3	60	36	200	Stainl. Steel	FKM	IF10020 RV
1"	G 1 1/4	55	89	18	23,3	60	36	200	Stainl. Steel	FKM	IF10020-125 RV

Lubrication Nipple

FEM-/IF-Series



Body Size	Version	L mm	D mm	Part Number
3/8"	for coupling	39	20	GRIF38
1/2"	for coupling	42	25	GRIF50
5/8"	for coupling	43	27	GRIF63
3/4"	for coupling	48	30	GRIF75
1"	for coupling	54	36	GRIF100

Seal-Kit

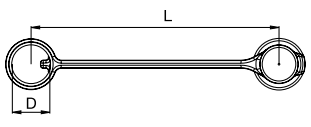
FEM-/IF-Series

Body Size	Version	Material	Part Number
1/8"	for plugs	NBR	IF2300-PSN
1/8"	for plugs	FKM	IF2300-PSV
1/4"	for plugs	NBR	IF2500-PSN
1/4"	for plugs	FKM	IF2500-PSV
1/4"	for plugs	EPDM	IF2500-PSEP
1/4"	for plugs	PUR	IF2500-PSPU
3/8"	for plugs	NBR	IF3800-PSN
3/8"	for plugs	FKM	IF3800-PSV
3/8"	for plugs	EPDM	IF3800-PSEP
3/8"	for plugs	PUR	IF3800-PSPU
1/2"	for plugs	NBR	IF5000-PSN
1/2"	for plugs	FKM	IF5000-PSV
1/2"	for plugs	EPDM	IF5000-PSEP
1/2"	for plugs	PUR	IF5000-PSPU
5/8"	for plugs	NBR	IF6300-PSN
5/8"	for plugs	FKM	IF6300-PSV
5/8"	for plugs	EPDM	IF6300-PSEP
5/8"	for plugs	PUR	IF6300-PSPU
3/4"	for plugs	NBR	IF7500-PSN
3/4"	for plugs	FKM	IF7500-PSV
3/4"	for plugs	EPDM	IF7500-PSEP
3/4"	for plugs	PUR	IF7500-PSPU
1"	for plugs	NBR	IF10000-PSN
1"	for plugs	FKM	IF10000-PSV
1"	for plugs	EPDM	IF10000-PSEP
1"	for plugs	PUR	IF10000-PSPU

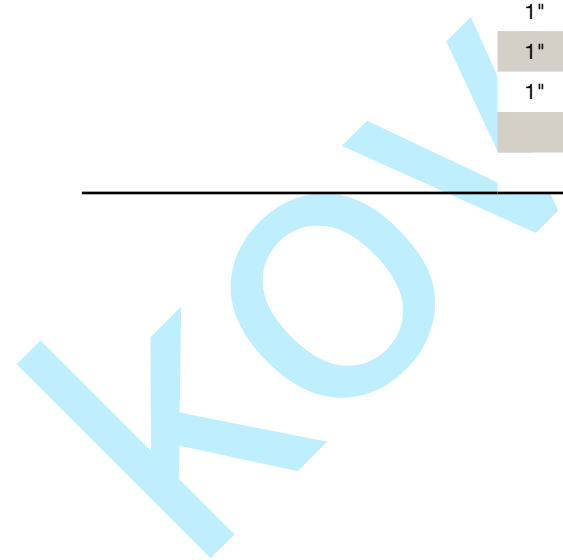
Dust Protection

FEM-/IF-Series

Body Size	Version	L mm	D mm	Material	Color	Part Number
1/8"	for coupling	145	19	PVC	Blue	IB3826
1/8"	for plug	145	19	PVC	Blue	IB2526
1/4"	for coupling	160	24	PVC	Black	PFE-251-P
1/4"	for coupling	160	24	PVC	Blue	IF2516
1/4"	for plug	160	23	PVC	Black	CFE-252-P
1/4"	for plug	160	23	PVC	Blue	IF2526
3/8"	for coupling	170	28	PVC	Black	PFE-371-P
3/8"	for coupling	170	28	PVC	Blue	IF3816
3/8"	for coupling	170	28	PVC	Red	IF3816 R
3/8"	for plug	170	28	PVC	Black	CFE-372-P
3/8"	for plug	170	28	PVC	Blue	IF3826
3/8"	for plug	170	28	PVC	Red	IF3826 R
1/2"	for coupling	185	35	PVC	Black	PFE-501-P
1/2"	for coupling	185	35	PVC	Blue	IF5016
1/2"	for plug	185	35	PVC	Black	CFE-502-P
1/2"	for plug	185	35	PVC	Blue	IF5026
5/8"	for coupling	215	37	PVC	Black	PFE-621-P
5/8"	for coupling	215	37	PVC	Blue	IF6316
5/8"	for plug	215	37	PVC	Black	CFE-622-P
5/8"	for plug	215	37	PVC	Blue	IF6326
3/4"	for coupling	185	42	PVC	Black	PFE-751-P
3/4"	for coupling	185	42	PVC	Blue	IF7516
3/4"	for plug	185	42	PVC	Black	CFE-752-P
3/4"	for plug	185	42	PVC	Blue	IF7526
1"	for coupling	240	50	PVC	Black	PFE-1001-P
1"	for coupling	240	50	PVC	Blue	IF10016
1"	for plug	240	50	PVC	Black	CFE-1002-P
1"	for plug	240	50	PVC	Blue	IF10026



Further colors on request.



Cross-Reference-List

Coupling

Body Size	Version	Old Part Number	New Part Number	Page
1/8"	Standard	IF2310	FEM-121-2FB	37
1/4"	Standard	IF2510	FEM-251-4FB	37
1/4"	Standard	IF2510-38	FEM-251-6FB	37
3/8"	Standard	IF3810	FEM-371-6FB	37
3/8"	Standard	IF3810-50	FEM-371-8FB	37
1/2"	Standard	IF5010	FEM-501-8FB	37
1/2"	Standard	IF5010-75	FEM-501-12FB	37
5/8"	Standard	IF6310	FEM-621-12FB	37
3/4"	Standard	IF7510	FEM-751-12FB	37
3/4"	Standard	IF7510-100	FEM-751-16FB	37
1"	Standard	IF10010	FEM-1001-16FB	37
1"	Standard	IF10010-125	FEM-1001-20FB	37
1/4"	Press. Elimin.	IF2511	FEC-251-4FB	38
1/4"	Press. Elimin.	IF2511-38	FEC-251-6FB	38
3/8"	Press. Elimin.	IF3811	FEC-371-6FB	38
3/8"	Press. Elimin.	IF3811-50	FEC-371-8FB	38
1/2"	Press. Elimin.	IF5011	FEC-501-8FB	38
1/2"	Press. Elimin.	IF5011-75	FEC-501-12FB	38
5/8"	Press. Elimin.	IF6311	FEC-621-12FB	38
3/4"	Press. Elimin.	IF7511	FEC-751-12FB	38
3/4"	Press. Elimin.	IF7511-100	FEC-751-16FB	38
1"	Press. Elimin.	IF10011	FEC-1001-16FB	38
1"	Press. Elimin.	IF10011-125	FEC-1001-20FB	38
1/4"	for Multiplate	IF2510 E	FEMP-251-4FB	39
1/4"	for Multiplate	IF2510-38 E	FEMP-251-6FB	39
3/8"	for Multiplate	IF3810 E	FEMP-371-6FB	39
3/8"	for Multiplate	IF3810-50 E	FEMP-371-8FB	39
1/2"	for Multiplate	IF5010 E	FEMP-501-8FB	39
1/2"	for Multiplate	IF5010-75 E	FEMP-501-12FB	39
5/8"	for Multiplate	IF6310 E	FEMP-621-12FB	39
3/4"	for Multiplate	IF7510 E	FEMP-751-12FB	39
3/4"	for Multiplate	IF7510-100 E	FEMP-751-16FB	39
1"	for Multiplate	IF10010 E	FEMP-1001-16FB	39
1"	for Multiplate	IF10010-125 E	FEMP-1001-20FB	39

Plug

Body Size	Version	Old Part Number	New Part Number	Page
1/8"	Standard	IF2320	FEM-122-2FB	37
1/4"	Standard	IF2520	FEM-252-4FB	37
1/4"	Standard	IF2520-38	FEM-252-6FB	37
3/8"	Standard	IF3820	FEM-372-6FB	37
3/8"	Standard	IF3820-50	FEM-372-8FB	37
1/2"	Standard	IF5020	FEM-502-8FB	37
1/2"	Standard	IF5020-75	FEM-502-12FB	37
5/8"	Standard	IF6320	FEM-622-12FB	37
3/4"	Standard	IF7520	FEM-752-12FB	37
3/4"	Standard	IF7520-100	FEM-752-16FB	37
1"	Standard	IF10020	FEM-1002-16FB	37
1"	Standard	IF10020-125	FEM-1002-20FB	37
1/4"	Press. Elimin.	IF2521	FEC-252-4FB	38
1/4"	Press. Elimin.	IF2521-38	FEC-252-6FB	38
3/8"	Press. Elimin.	IF3821	FEC-372-6FB	38
3/8"	Press. Elimin.	IF3821-50	FEC-372-8FB	38
1/2"	Press. Elimin.	IF5021	FEC-502-8FB	38
1/2"	Press. Elimin.	IF5021-75	FEC-502-12FB	38
5/8"	Press. Elimin.	IF6321	FEC-622-12FB	38
3/4"	Press. Elimin.	IF7521	FEC-752-12FB	38
3/4"	Press. Elimin.	IF7521-100	FEC-752-16FB	38
1"	Press. Elimin.	IF10021	FEC-1002-16FB	38
1"	Press. Elimin.	IF10021-125	FEC-1002-20FB	38
1/4"	for Multiplate	IF2520 E	FEMP-252-4FB	39
3/8"	for Multiplate	IF3820 E	FEMP-372-6FB	39
1/2"	for Multiplate	IF5020 E	FEMP-502-8FB	39
5/8"	for Multiplate	IF6320 E	FEMP-622-12FB	39
3/4"	for Multiplate	IF7520 E	FEMP-752-12FB	39
1"	for Multiplate	IF10020 E	FEMP-1002-16FB	39
1/4"	Press. El. for Multiplate	IF2521 E	FEC-252-4FB	39
1/4"	Press. El. for Multiplate	IF2521-38 E	FEC-252-6FB	39
3/8"	Press. El. for Multiplate	IF3821 E	FEC-372-6FB	39
3/8"	Press. El. for Multiplate	IF3821-50 E	FEC-372-8FB	39
1/2"	Press. El. for Multiplate	IF5021 E	FEC-502-8FB	39
1/2"	Press. El. for Multiplate	IF5021-75 E	FEC-502-12FB	39
5/8"	Press. El. for Multiplate	IF6321 E	FEC-622-12FB	39
3/4"	Press. El. for Multiplate	IF7521 E	FEC-752-12FB	39
3/4"	Press. El. for Multiplate	IF7521-100 E	FEC-752-16FB	39
1"	Press. El. for Multiplate	IF10021 E	FEC-1002-16FB	39
1"	Press. El. for Multiplate	IF10021-125 E	FEC-1002-20FB	39



Body Size

1/8" up to 2"

Tema Profile

T-Series



Technical Description

The TEMA Standard Series is characterised by a low pressure drop and maximum flow capacity. The coupling system is available as double shut-off or straight through version. The 2500 can be used also as a single shut-off version.

Advantages

- High operating pressure.
- Compact dimension.
- Due to the Pressure Eliminator version for coupling and plug the connection is possible up to the operating pressure.
- Double safety through a double O-ring seal.
- A safety closing ring prevents unintentional uncoupling.

Working Pressure

See charts.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium. Special seals are available on request (see page 6).

Available Valves



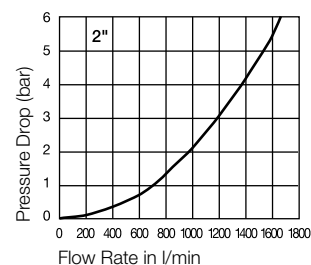
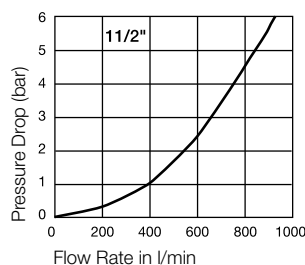
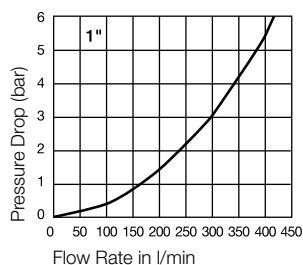
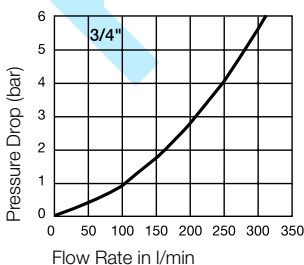
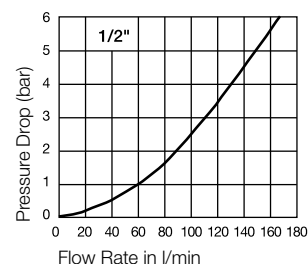
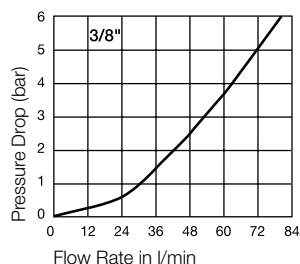
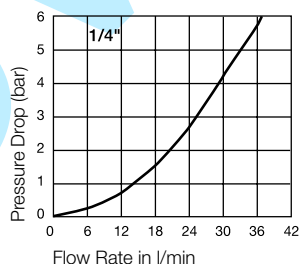
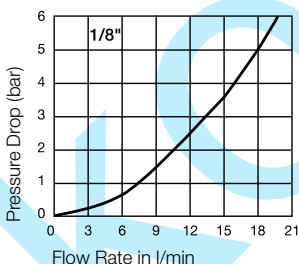
Applications Area



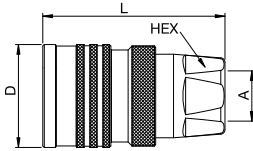
Material Coupling	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Coupling Body	Brass, nickel plated chromated	AISI 316	Brass, chromated
Sleeve	Steel hardened, zinc plated, passiv., sealed	AISI 316	Brass, chromated
Locking Ring	Brass, zinc-iron coated, black passiv., sealed	AISI 316	
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR/FKM	FKM	NBR
Valve Holder (up to 100°C)	Zinc casting	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	

Plug	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Plug Body	Steel hardened, zinc plated, passiv., sealed	AISI 316	AISI 420 hardened
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	
Seals	NBR/FKM	FKM	
Valve Holder (up to 100°C)	Zinc Casting	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Body Size	Conne- ction A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Standard	NBR	2310-QC
1/8"	G 1/8	15	38	18	with	200	Standard	FKM	2310 V
1/8"	G 1/8	15	38	18	without	200	Standard	NBR	2310 UV
1/8"	G 1/8	15	38	18	without	200	Standard	FKM	2310 VUV
1/4"	G 1/4	21	64	25	with	450	Standard	NBR	2510-QC
1/4"	G 1/4	21	64	25	with	450	Standard	FKM	2510 V
1/4"	G 1/4	21	64	25	without	450	Standard	NBR	2510 UV
1/4"	G 1/4	21	64	25	without	450	Standard	FKM	2510 VUV
3/8"	G 3/8	24	60	34	with	350	Standard	NBR	3810
3/8"	G 3/8	24	60	34	with	350	Standard	FKM	3810 V
3/8"	G 3/8	24	60	34	without	350	Standard	NBR	3810 UV
3/8"	G 3/8	24	60	34	without	350	Standard	FKM	3810 VUV
3/8"	G 3/8	24	60	34	without	350	High Press. Water	NBR	3810 H
3/8"	G 3/8	24	60	34	without	350	High Press. Water	FKM	3810 HV
3/8"	G 3/8	24	60	34	without	350	High Press. Water	EPDM	3810 HEP
3/8"	G 3/8	29	60	34	without	350	High Press. Water	NBR	3810 H2
3/8"	G 3/8	29	60	34	without	350	High Press. Water	FKM	3810 H2V
3/8"	G 3/8	29	60	34	without	350	High Press. Water	EPDM	3810 H2EP
1/2"	G 1/2	30	65	40	with	300	Standard	NBR	5010
1/2"	G 1/2	30	65	40	with	300	Standard	FKM	5010 V
1/2"	G 1/2	30	65	40	without	300	Standard	NBR	5010 UV
1/2"	G 1/2	30	65	40	without	300	Standard	FKM	5010 VUV
3/4"	G 3/4	38	73	52	with	280	Standard	NBR	7510
3/4"	G 3/4	38	73	52	with	280	Standard	FKM	7510 V
3/4"	G 3/4	38	73	52	without	280	Standard	NBR	7510 UV
3/4"	G 3/4	38	73	52	without	280	Standard	FKM	7510 VUV
1"	G 1	45	88	62	with	250	Standard	NBR	10010
1"	G 1	45	88	62	with	250	Standard	FKM	10010 V
1"	G 1	45	88	62	without	250	Standard	NBR	10010 UV
1"	G 1	45	88	62	without	250	Standard	FKM	10010 VUV
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	NBR	15010-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	FKM	15010 V
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	NBR	15010 M
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	FKM	15010 MV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	NBR	15010 UV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	FKM	15010 VUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	NBR	15010 MUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	FKM	15010 MVUV
2"	G 2	75	144	90	with	180	Standard	NBR	20010-QC
2"	G 2	75	144	90	with	180	Standard	FKM	20010 V
2"	G 2	75	144	90	without	180	Standard	NBR	20010 UV
2"	G 2	75	144	90	without	180	Standard	FKM	20010 VUV

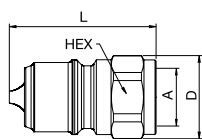


Female Thread

Plugs

T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Standard	NBR	2320
1/8"	G 1/8	15	38	17	with	200	Standard	FKM	2320 V
1/8"	G 1/8	15	36	17	without	200	Standard		2320 UV
1/4"	G 1/4	19	45	21	with	450	Standard	NBR	2520
1/4"	G 1/4	19	45	21	with	450	Standard	FKM	2520 V
1/4"	G 1/4	19	45	21	without	450	Standard		2520 UV
3/8"	G 3/8	22	42	24	with	350	Standard	NBR	3820
3/8"	G 3/8	22	42	24	with	350	Standard	FKM	3820 V
3/8"	G 3/8	22	38	24	without	350	Standard		3820 UV
1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
1/2"	G 1/2	27	42	30	without	320	Standard		5020 UV
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
3/4"	G 3/4	36	47	39	without	300	Standard		7520 UV
1"	G 1	46	60	49	with	280	Standard	NBR	10020
1"	G 1	46	60	49	with	280	Standard	FKM	10020 V
1"	G 1	46	53	49	without	280	Standard		10020 UV
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	NBR	15020
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	FKM	15020 V
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	NBR	15020 M
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	FKM	15020 MV
1 1/2"	G 1 1/2	60	107	67	without	200	Standard		15020 UV
1 1/2"	G 1 1/2	60	107	67	without	50	Brass		15020 MUUV
2"	G 2	75	142	85	with	180	Standard	NBR	20020-QC
2"	G 2	75	142	85	with	180	Standard	FKM	20020 V
2"	G 2	75	142	85	without	180	Standard	NBR	20020 UV

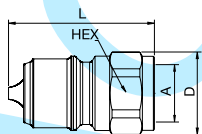


Female Thread

Super Nipple

T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

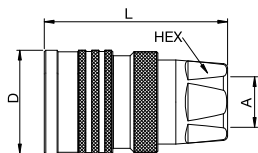


Female Thread

Couplings

T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	NBR	3811
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	FKM	3811 V
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	NBR	5011
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 V
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	NBR	7511
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	FKM	7511 V
1"	G 1	45	88	62	with	250	Press. Eliminator	NBR	10011-QC
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 V
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	NBR	15011-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	FKM	15011 V

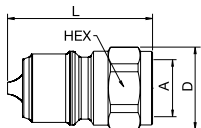


Female Thread

Plugs

T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	NBR	3821
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 V
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	NBR	15021
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	FKM	15021 V

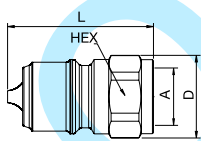


Female Thread

Super Nipple

T-Series

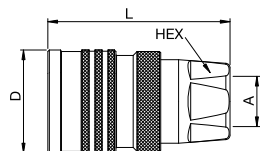
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S



Female Thread

Couplings

T-Series Stainless Steel

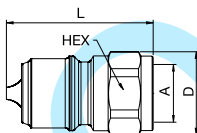


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RV
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RFV ¹
1/8"	G 1/8	15	38	18	without	200	Stainless Steel	FKM	2310 RVUV
1/4"	G 1/4	21	64	25	with	250	Stainless Steel	FKM	2510 RV
1/4"	G 1/4	21	64	25	without	250	Stainless Steel	FKM	2510 RVUV
3/8"	G 3/8	24	60	34	with	300	Stainless Steel	FKM	3810 RV
3/8"	G 3/8	24	60	34	without	350	Stainless Steel	FKM	3810 RVUV
1/2"	G 1/2	30	65	40	with	300	Stainless Steel	FKM	5010 RV
1/2"	G 1/2	30	65	40	without	300	Stainless Steel	FKM	5010 RVUV
3/4"	G 3/4	38	73	52	with	250	Stainless Steel	FKM	7510 RV
3/4"	G 3/4	38	73	52	without	250	Stainless Steel	FKM	7510 RVUV
1"	G 1	45	88	62	with	250	Stainless Steel	FKM	10010 RV
1"	G 1	45	88	62	without	250	Stainless Steel	FKM	10010 RVUV
1 1/2"	G 1 1/2	60	112	73	with	150	Stainless Steel	FKM	15010 RV
1 1/2"	G 1 1/2	60	112	73	without	150	Stainless Steel	FKM	15010 RVUV
2"	G 2	75	144	90	with	120	Stainless Steel	FKM	20010 RV
2"	G 2	75	144	90	without	120	Stainless Steel	FKM	20010 RVUV

Plugs

T-Series Stainless Steel



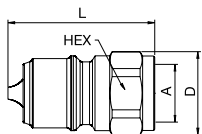
Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Stainless Steel	FKM	2320 RV
1/8"	G 1/8	15	38	17	with	200	Stainless Steel	FKM	2320 RFV ¹
1/8"	G 1/8	15	36	17	without	200	Stainless Steel		2320 RUV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RFV ¹
1/4"	G 1/4	19	45	21	with	170	High Press. Water	FKM	2520 RFV2 ^{1 3}
1/4"	G 1/4	19	45	21	without	250	Stainless Steel		2520 RUH
1/4"	G 1/4	19	45	21	without	450	Stainless Steel		2520 RHUV ²
1/4"	G 1/4	19	45	21	without	170	Stainless Steel		2520 RFUV2 ²
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RV
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	NBR	3820 RF ¹
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RFV ¹
3/8"	G 3/8	22	38	24	without	300	Stainless Steel		3820 RUV
3/8"	G 3/8	22	38	24	without	170	Stainless Steel		3820 RFUV ²
1/2"	G 1/2	27	46	30	with	300	Stainless Steel	FKM	5020 RV
1/2"	G 1/2	27	42	30	without	300	Stainless Steel		5020 RUV
3/4"	G 3/4	36	52	39	with	250	Stainless Steel	FKM	7520 RV
3/4"	G 3/4	36	47	39	without	250	Stainless Steel		7520 RUV
1"	G 1	46	60	49	with	250	Stainless Steel	FKM	10020 RV
1"	G 1	46	53	49	without	250	Stainless Steel		10020 RUV

Plugs

T-Series Stainless Steel

Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
1 1/2"	G 1 1/2	60	107	67	with	150	Stainless Steel	FKM	15020 RV
1 1/2"	G 1 1/2	60	107	67	without	150	Stainless Steel		15020 RUV
2"	G 2	75	142	85	with	120	Stainless Steel	FKM	20020 RV
2"	G 2	75	142	85	without	120	Stainless Steel		20020 RUV

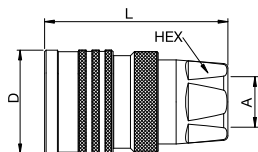


Female Thread

Couplings

T-Series Stainless Steel

Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RV
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RFV ¹
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RV
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RFV ¹
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RV
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RFV ¹
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RV
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RFV

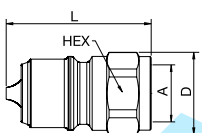


Female Thread

Plugs

T-Series Stainless Steel

Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RV
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RFV
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RV
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RFV ¹
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RV
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RFV ¹
1"	G 1	46	61	49	with	250	Press. Eliminator	NBR	10021 RV
1"	G 1	46	61	49	with	250	Press. Eliminator	FKM	10021 RFV ¹



Female Thread

¹ Valve made of brass

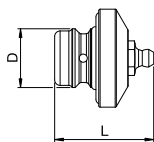
² Material: AISI 420 hardened

³ Suitable for high pressure water, AISI 303

⁴ For pulsating pressure, the pressure must not exceed 50% of the given value

Lubrication Nipples

T-Series



Body Size	Version	L mm	D mm	Part Number
3/8"	for coupling	36	22	GR3-QC
1/2"	for coupling	41	25	GR5
3/4"	for coupling	44	33	GR7
1"	for coupling	46	41	GR10-QC

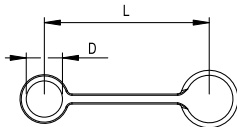
For problem free operating with longer lifetime – especially in cold climates.

Seal-Kit

T-Series

Body Size	Version	Material	Part Number
1/8"	for coupling	NBR	11310 N
1/8"	for coupling	FKM	11310 V
1/4"	for coupling	NBR	2500-PSN
1/4"	for coupling	FKM	2500-PSV
3/8"	for coupling	NBR	3800-PSN
3/8"	for coupling	FKM	3800-PSV
1/2"	for coupling	NBR	5000-PSN
1/2"	for coupling	FKM	5000-PSV
3/4"	for coupling	NBR	7500-PSN
3/4"	for coupling	FKM	7500-PSV
1"	for coupling	NBR	10000-PSN
1"	for coupling	FKM	10000-PSV
1 1/2"	for coupling	NBR	15000-PSN
1 1/2"	for coupling	FKM	15000-PSV
2"	for coupling	NBR	20000-PSN
2"	for coupling	FKM	20000-PSV

The valve seal is crimped and can not be changed.



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/8"	for coupling	55	15	PVC	Red	2315-QC
1/8"	for plug	55	15	PVC	Red	125-QC
1/4"	for coupling	145	44	PVC	Blue	2516-QC
1/4"	for plug	145	42	PVC	Blue	2526-QC
3/8"	for coupling	145	54	PVC	Blue	3816-QC
3/8"	for plug	145	46	PVC	Blue	3826
3/8"	for coupling	145	54	PVC	Yellow	3816 Y
3/8"	for plug	145	46	PVC	Yellow	3826 Y
1/2"	for coupling	170	60	PVC	Blue	5016-QC
1/2"	for plug	170	52	PVC	Blue	5026-QC
3/4"	for coupling	195	76	PVC	Blue	7516-QC
3/4"	for plug	195	63	PVC	Blue	7526
1"	for coupling	230	90	PVC	Blue	10016
1"	for plug	230	76	PVC	Blue	10026
1 1/2"	for coupling	310	56	PVC	Black	15015
1 1/2"	for plug	300	56	PVC	Black	15025
2"	for coupling	380	63	EBA	Black	20015-QC
2"	for plug	380	63	EBA	Black	20025-QC

When coupling and plug is connected it is recommended to connect dust protections – to keep these clean, too. Further colors on request.

KOVAR



Body Size

1/2" up to 1"

Tema Profile

H-Series



Applications Area



Body Size	Bursting Pressure connected
1/2"	> 1200 bar
3/4"	> 1200 bar
1"	> 1200 bar

Technical Description

The H series is a further development of the standard hydraulic coupling, with some new materials to stand up to heavy conditions. The body of the coupling is made of steel so that the coupling functions reliably even when subject to substantial lateral forces and high impulses.

Advantages

- High flow rate – minimum pressure drop.
- Twice as safe through double sealing.
- Safety closing ring prevents unintentional uncoupling.
- Maximum protection against corrosion.
- Small dimensions.
- Pressure eliminator for coupling and plug available. Possible to connect up to working pressure.

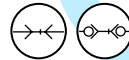
Working Pressure

See charts.

Working Temperature

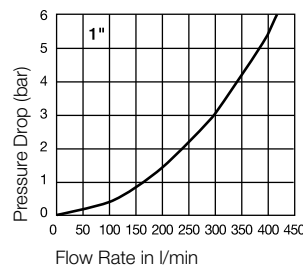
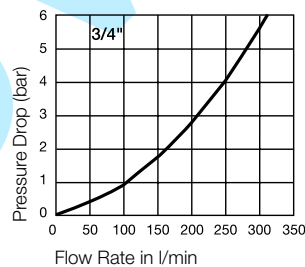
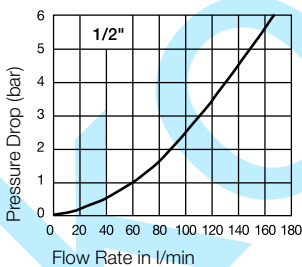
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves

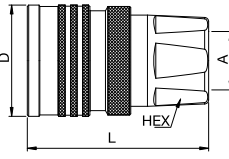


Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Brass
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn
Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn

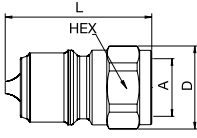
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



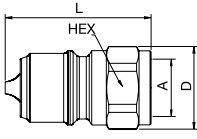
Couplings**H-Series**

	Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	30	65	40	with	320	Standard	NBR	H5010
	1/2"	G 1/2	30	65	40	with	320	Standard	FKM	H5010 V
	3/4"	G 3/4	38	73	52	with	300	Standard	NBR	H7510
	3/4"	G 3/4	38	73	52	with	300	Standard	FKM	H7510 V
	1"	G 1	45	88	62	with	280	Standard	NBR	H10010
	1"	G 1	45	88	62	with	280	Standard	FKM	H10010 V

Plugs**H-Series**

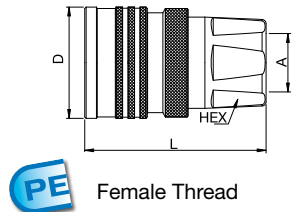
	Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
	1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
	3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
	3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
	1"	G 1	46	60	49	with	280	Standard	NBR	10020-QC
	1"	G 1	46	60	49	with	280	Standard	FKM	10020 V

Super Nipple**H-Series**

	Body Size	Conne- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

Couplings

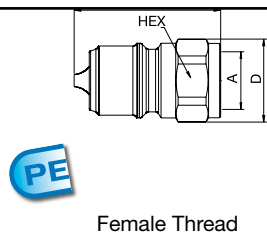
H-Series



Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	NBR	H5011
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	FKM	H5011 V
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	NBR	H7511
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	FKM	H7511 V
1"	G 1	45	88	62	with	280	Press. Eliminator	NBR	H10011
1"	G 1	45	88	62	with	280	Press. Eliminator	FKM	H10011 V

Plugs

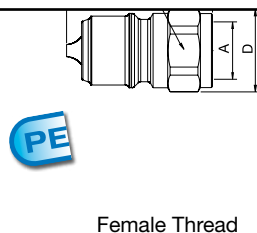
H-Series



Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V

Super Nipple

H-Series



Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S

KOVAZ S.r.l.



Body Size

1/4" up to 1"

Tema Profile

FF-Series

Medium Pressure



Connected length in total

FF2510 + FF2520 = 122 mm

FF2510 + FF2521 = 147 mm

FF3810 + FF3820 = 125 mm

FF3810 + FF3821 = 154 mm

FF5010 + FF5020 = 144 mm

FF5010 + FF5021 = 179 mm

FF7510 + FF7520 = 169 mm

FF7510 + FF7521 = 215 mm

FF10010 + FF10020 = 230 mm

FF10010 + FF10021 = 269 mm

Body Size Bursting Pressure connected

1/4" > 3200 bar

3/8" > 2000 bar

1/2" > 1500 bar

3/4" > 1500 bar

1" > 1100 bar

Technical Description

The coupling system of the FF series has double shut-off, dry break and single-handed operation. During disconnection there is no oil loss, and during coupling there is no inclusion of air into the system.

Advantages

- Dry break quick connect coupling.
- With minimum pressure drop.
- Single-handed operation.
- No oil loss during disconnection.
- A safety closing ring prevents unintentional disconnection.
- Twice as safe through double sealing.
- Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

Working Pressure

See charts.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves

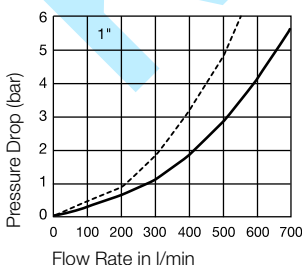
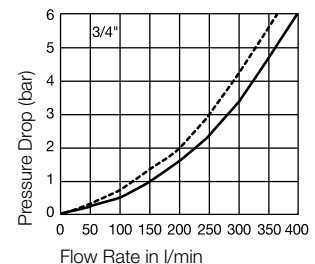
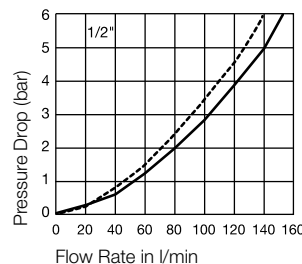
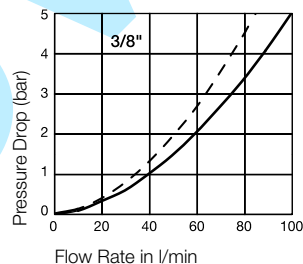
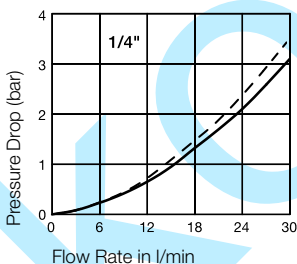


Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/PUR
Valve Holder	Steel, yellow zinc plated, sealed
Thread Body	Steel, zinc plated, passivated, sealed
Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Steel, nitrocarburizing
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Brass, hard-drawn
Thread Body	Steel, zinc plated, passivated, sealed

Applications Area



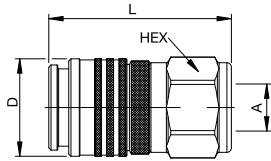
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



— Standard FF
- - - Plug side pressure eliminator

Couplings

FF-Series

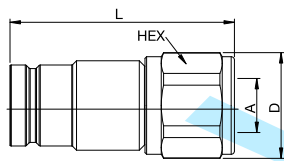


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	27	65	30	800	Standard	NBR/PUR	FF2510
3/8"	G 3/8	36	76,5	40	500	Standard	NBR/PUR	FF3810
1/2"	G 1/2	40	82	44	450	Standard	NBR/PUR	FF5010 C
1/2"	G 1/2	40	82	44	450	Standard	FKM	FF5010 CV
1/2"	G 3/4	40	85	44	450	Standard	NBR/PUR	FF5010-75 C
1/2"	G 3/4	40	85	44	450	Standard	FKM	FF5010-75 CV
3/4"	G 3/4	50	98	55	400	Standard	NBR	FF7510 C
3/4"	G 3/4	50	98	55	400	Standard	FKM	FF7510 CV
3/4"	G 1	50	106	55	400	Standard	NBR	FF7510-100 C
3/4"	G 1	50	106	55	400	Standard	FKM	FF7510-100 CV
1"	G 1	65	129	70	350	Standard	NBR	FF10010 C
1"	G 1	65	129	70	350	Standard	FKM	FF10010 CV
1"	G 1 1/4	65	129	70	350	Standard	NBR	FF10010-125 C
1"	G 1 1/4	65	129	70	350	Standard	FKM	FF10010-125 CV
1"	G 1 1/2	65	129	70	350	Standard	NBR	FF10010-150 C
1"	G 1 1/2	65	129	70	350	Standard	FKM	FF10010-150 CV

Plugs

FF-Series

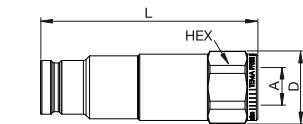


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	25	74	28	800	Standard	NBR/PUR	FF2520
3/8"	G 3/8	32	69	35	500	Standard	NBR/PUR	FF3820
1/2"	G 1/2	36	86	39	450	Standard	NBR/PUR	FF5020 C
1/2"	G 1/2	36	86	39	450	Standard	FKM	FF5020 CV
1/2"	G 3/4	36	90	39	450	Standard	NBR/PUR	FF5020-75 C
1/2"	G 3/4	36	90	39	450	Standard	FKM	FF5020-75 CV
3/4"	G 3/4	46	101	50	400	Standard	NBR/PUR	FF7520 C
3/4"	G 3/4	46	101	50	400	Standard	FKM	FF7520 CV
3/4"	G 1	46	106	50	400	Standard	NBR/PUR	FF7520-100 C
3/4"	G 1	46	106	50	400	Standard	FKM	FF7520-100 CV
1"	G 1	60	140	65	350	Standard	NBR/PUR	FF10020 C
1"	G 1	60	140	65	350	Standard	FKM	FF10020 CV
1"	G 1 1/4	60	140	65	350	Standard	NBR/PUR	FF10020-125 C
1"	G 1 1/4	60	140	65	350	Standard	FKM	FF10020-125 CV
1"	G 1 1/2	60	140	65	350	Standard	NBR/PUR	FF10020-150 C
1"	G 1 1/2	60	140	65	350	Standard	FKM	FF10020-150 CV

Plugs

FF-Series

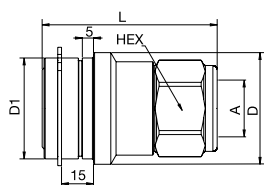


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	25	99	28		800	Press. Eliminator	NBR/PUR	FF2521
3/8"	G 3/8	32	98	35		500	Press. Eliminator	NBR/PUR	FF3821
1/2"	G 1/2	36	117	39		450	Press. Eliminator	NBR/PUR	FF5021 C
1/2"	G 1/2	36	117	39		450	Press. Eliminator	FKM	FF5021 CV
3/4"	G 3/4	46	139	50		400	Press. Eliminator	NBR/PUR	FF7521 C
1"	G 1	55	175	60		350	Press. Eliminator	NBR/PUR	FF10021 C

Couplings

FF-Series

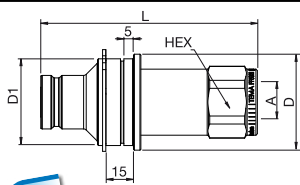


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	40	82	52	47	400	for Multiplate	NBR	FF5010 CE
1/2"	G 1/2	40	82	52	47	400	for Multiplate	FKM	FF5010 CEV
3/4"	G 3/4	50	98	66	60	400	for Multiplate	NBR	FF7510 CE
3/4"	G 3/4	50	98	66	60	400	for Multiplate	FKM	FF7510 CEV

Plugs

FF-Series

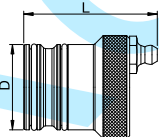


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	36	117	52	47	450	Press. El. f. Multiplate	NBR/PUR	FF5021 CE
3/4"	G 3/4	46	139	66	60	400	Press. El. f. Multiplate	NBR/PUR	FF7521 CE

Lubrication Nipples

FF-Series



Body Size	Version	L mm	D mm	Part Number
1/2"	for coupling	48	29	GRF5
3/4"	for coupling	52	38	GRF7
1"	for coupling	52	50	GRF10

Seal-Kit

FF-Series

Body Size	Version	Material	Part Number
1/4"	for plugs	NBR/PUR	FF2500-PSNPU
3/8"	for plugs	NBR/PUR	FF3800-PSNPU
1/2"	for plugs	NBR/PUR	FF5000-PSNPU
1/2"	for plugs	FKM	FF5000-PSV
3/4"	for plugs	NBR/PUR	FF7500-PSNPU
3/4"	for plugs	FKM	FF7500-PSV
1"	for plugs	NBR/PUR	FF10000-PSNPU
1"	for plugs	FKM	FF10000-PSV

Dust Protection

FF-Series

Body Size	Version	L mm	D mm	Material	Color	Part Number
1/4"	for coupling	190	24	PVC	Blue	FF2516
1/4"	for plug	190	24	PVC	Blue	FF2526
3/8"	for coupling	190	28	PVC	Blue	FF3816
3/8"	for plug	190	28	PVC	Blue	FF3826
1/2"	for coupling	220	28	PVC	Blue	FF5016
1/2"	for plug	220	28	PVC	Blue	FF5026
3/4"	for coupling	250	42	PVC	Blue	FF7516
3/4"	for plug	250	42	PVC	Blue	FF7526
1"	for coupling	290	51	PVC	Blue	FF10016
1"	for plug	290	51	PVC	Blue	FF10026



Further colors on request.



Body Size

1/4" up to 3/4"

Parker Profile

SM-Series

**Technical Description**

Standard design with ball locking mechanism for high pressure applications. Rugged construction.

Advantages

Body size 1/2" and above feature PTFE back up ring which prevents seal washout at high flow rates. Solid steel bar-stock construction: induction-hardened for a coupling with maximum resistance to damage to hydraulic and mechanical shock and brinelling.

A poppet with a crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates.

Applications

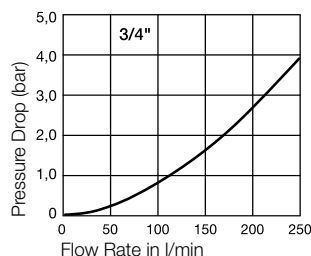
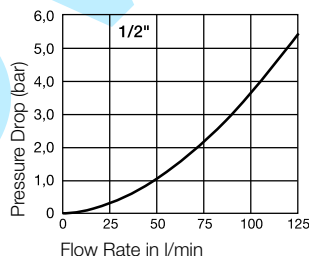
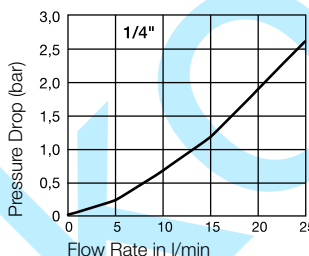
- Mobile equipment
- Industrial maintenance

Working Temperature
-40°C up to + 110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Working Pressure

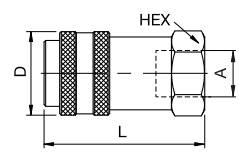
Body Size	Max. Operating Pressure connected
1/4"	410 bar
1/2"	410 bar
3/4"	310 bar

Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Steel
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Steel

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

Couplings

SM-Series

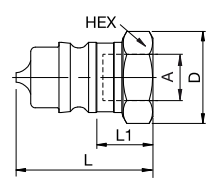


Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	56,9		26,9	Steel	118	SM-251-4FB
1/4"	1/4" - 18	NPTF	3/4"	53,1		26,9	Steel	110	SM-251-4FP
1/4"	3/8"	BSPP	15/16"	56,9		26,9	Steel	118	SM-251-6FB
1/4"	3/8" - 18	NPTF	15/16"	56,9		26,9	Steel	123	SM-251-6FP
1/2"	1/2"	BSPP	1 1/4"	76,2		39,6	Steel	336	SM-501-8FB
1/2"	1/2" - 14	NPTF	1 1/4"	76,2		39,6	Steel	319	SM-501-8FP
1/2"	3/4"	BSPP	1 3/8"	80,3		39,6	Steel	386	SM-501-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	78		39,6	Steel	381	SM-501-12FP
3/4"	3/4"	BSPP	1 5/8"	98,8		56,4	Steel	853	SM-751-12FB
3/4"	3/4" - 14	NPTF	1 5/8"	95,8		56,4	Steel	822	SM-751-12FP
3/4"	1"	BSPP	1 5/8"	101,1		56,4	Steel	857	SM-751-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	101,1		56,4	Steel	838	SM-751-16FP

Plugs

SM-Series







Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	41,7	21,6	22,1	Steel	41	SM-252-4FB
1/4"	1/4" - 18	NPTF	3/4"	37,8	17,8	22,1	Steel	33	SM-252-4FP
1/4"	3/8"	BSPP	15/16"	41,7	25,7	27,4	Steel	41	SM-252-6FB
1/4"	3/8" - 18	NPTF	15/16"	41,7	25,7	27,4	Steel	67	SM-252-6FP
1/2"	1/2"	BSPP	1 1/16"	51,1	16,5	31,2	Steel	82	SM-502-8FB
1/2"	1/2" - 14	NPTF	1 1/16"	51,1	23,4	31,2	Steel	70	SM-502-8FP
1/2"	3/4"	BSPP	1 3/8"	66,8	27,9	40,4	Steel	156	SM-502-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	58,7	20,3	40,4	Steel	151	SM-502-12FP
3/4"	3/4"	BSPP	1 1/2"	66	18,5	43,9	Steel	254	SM-752-12FB
3/4"	3/4" - 14	NPTF	1 1/2"	63	15	43,9	Steel	231	SM-752-12FP
3/4"	1"	BSPP	1 5/8"	68,3	22,1	47,8	Steel	308	SM-752-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	68,3	22,1	47,8	Steel	278	SM-752-16FP

* Exposed length. This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker coupler.


Dust Protection

SM-Series

	Body Size	Version	Material	Part Number
	1/4"	for coupling	Rubber	PR-25
	1/2"	for coupling	Rubber	DP-50
	1/4"	for plug	Rubber	CR-25
	1/2"	for plug	Rubber	DC-50
	1/4"	for coupling	Aluminium	P-25
	1/2"	for coupling	Aluminium	P-50
	3/4"	for coupling	Aluminium	P-75
	1/4"	for plug	Aluminium	C-25
	1/2"	for plug	Aluminium	C-50
	3/4"	for plug	Aluminium	C-75

Seal-Kit

SM-Series

	Body Size	Version	Material	Part Number
	1/4"	Seal	NBR	020113N0674
	1/2"	Seal	NBR	020211N0674
	1/2"	Back-up ring	PTFE	50014-211
	3/4"	Seal	NBR	020219N0674
	3/4"	Back-up ring	PTFE	50014-219

KOVARZ S.r.l.



Body Size

1/8" up to 1 1/2"

Parker Profile

ST-Series

Medium Pressure



Technical Description

Non-valved couplings. Maximal flow. Minimal pressure drop. Easy cleaning. This series is also manufactured as an alternative in steel and AISI 316 material.

Advantages

No valving allows minimal pressure drop, maximal flow and easy cleaning. The ball locking mechanism with eight balls to distributes the work load assures low wearing and good alignment of the couplings. High resistance to brinelling due to heat treated nipples.

Applications

- Food industry
- High pressure water and steam washers
- Dye transfer lines
- Mold coolant lines
- Carpet cleaners

Working Temperature

-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Sleeve-Lock

ST series couplers can be furnished with locking sleeves. Place suffix letters **SL** (Sleeve-lock) after regular catalog numbers. Example: **SST-4M-SL**

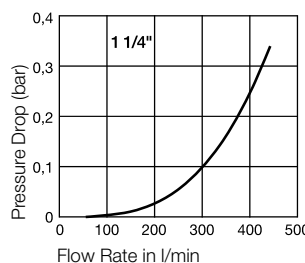
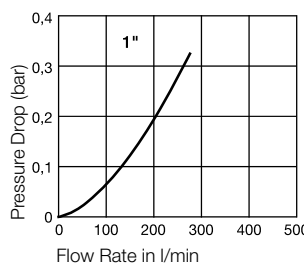
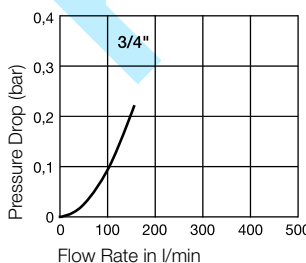
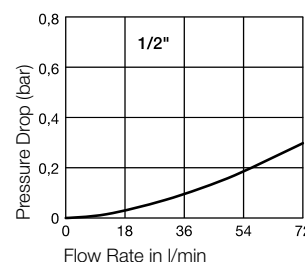
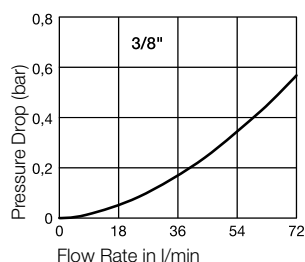
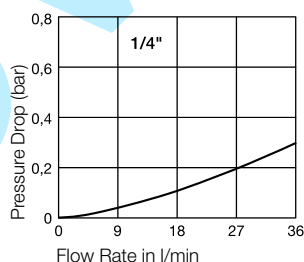
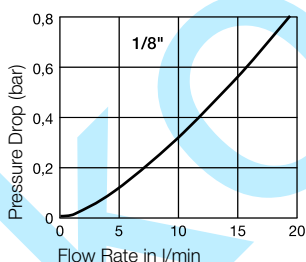
Working Pressure

Body Size	Brass	Stainless Steel
1/8"	175 bar	290 bar
1/4"	360 bar	460 bar
3/8"	185 bar	380 bar
1/2"	150 bar	210 bar
3/4"	120 bar	210 bar
1"	80 bar	120 bar
1 1/4"	120 bar	
1 1/2"	95 bar	

Material Coupling	Brass	Stainless Steel
Coupling Body	Brass	AISI 303
Sleeve	Brass	AISI 303
Back-up Ring	AISI 303	AISI 303
Valve	AISI 303	AISI 303
Seals	NBR	NBR
Locking Balls	Brass	AISI 303

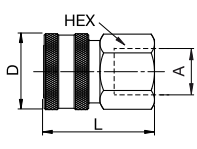
Material Plug	Brass	Stainless Steel
Plug Body	Brass	AISI 303

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



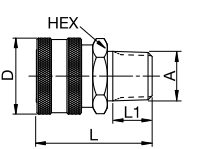
Couplings

ST-Series Brass



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	25,4			17,5	4,4	Brass	29	BST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	Brass	85	BST-2-BSPP
1/4"	1/4" - 18	NPTF	13/16"	37,3			23,8	6,4	Brass	83	BST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	Brass	122	BST-3-BSPP
3/8"	3/8" - 18	NPTF	1"	41,8			29,0	9,5	Brass	130	BST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	Brass	186	BST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	Brass	189	BST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	Brass	294	BST-6-BSPP
3/4"	3/4" - 14	NPTF	1 7/16"	52,1			41,7	18,3	Brass	316	BST-6
1"	1"	BSPP	1 3/4"	61,7			50,8	23,8	Brass	467	BST-8-BSPP
1"	1" - 11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	Brass	477	BST-8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	62,0			64,0	30,2	Brass	720	BST-10
1 1/4"	1 1/4"-11 1/2	NPTF	2 1/2"	72,9			76,2	38,1	Brass	1176	BST-12

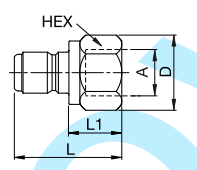


Male Thread

1/8"	1/8" - 27	NPTF	9/16"	26,9	9,5		17,5	4,4	Brass	24	BST-1M
1/4"	1/4" - 18	NPTF	13/16"	42,9	13,5		23,8	6,4	Brass	92	BST-2M
3/8"	3/8" - 18	NPTF	1"	44,5	14,5		29,0	9,5	Brass	108	BST-3M
1/2"	1/2" - 14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	Brass	152	BST-4M
3/4"	3/4" - 14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	Brass	227	BST-6M
1"	1" - 11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	Brass	402	BST-8M

Plugs

ST-Series Brass

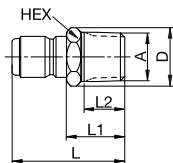


Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	24,6	14,3		16,4	4,4	Brass	15	BST-N1
1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	Brass	40	BST-N2-BSPP
1/4"	1/4" - 18	NPTF	3/4"	37,1	18,1		21,9	6,4	Brass	48	BST-N2
3/8"	3/8"	BSPP	7/8"	41,9	19,1		25,6	9,5	Brass	57	BST-N3-BSPP
3/8"	3/8" - 18	NPTF	7/8"	41,3	19,1		25,6	9,5	Brass	58	BST-N3
1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	Brass	110	BST-N4-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	48,5	24,7		32,9	11,9	Brass	114	BST-N4
3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	Brass	172	BST-N6-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	Brass	175	BST-N6
1"	1"	BSPP	1 5/8"	59,6	29,0		47,5	23,8	Brass	271	BST-N8-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	Brass	240	BST-N8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	60,3	29,2		58,4	30,2	Brass	482	BST-N10
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	71,3	29,7		69,5	38,1	Brass	688	BST-N12

Plugs

ST-Series Brass

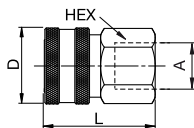


Male Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	Brass	11	BST-N1M
1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	Brass	27	BST-N2M
1/4"	1/4"	BSPT	9/16"	38,8	19,8	8,4	16,4	6,4	Brass	31	BST-N2M-BSPT
3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	Brass	40	BST-N3M
3/8"	3/8"	BSPT	11/16"	42,9	20,7	8,7	20,1	9,5	Brass	39	BST-N3M-BSPT
1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	Brass	68	BST-N4M
1/2"	1/2"	BSPT	7/8"	49,2	25,4	11,3	25,6	11,9	Brass	67	BST-N4M-BSPT
3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	Brass	107	BST-N6M
3/4"	3/4"	BSPT	1 1/16"	55,7	27,8	12,7	31,0	18,3	Brass	107	BST-N6M-BSPT
1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	Brass	208	BST-N8M
1"	1"	BSPT	1 3/8"	63,7	33,1	14,4	40,2	23,8	Brass	238	BST-N8M-BSPT

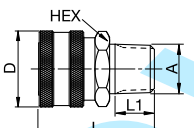
Couplings

ST-Series Stainless Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	9/16"	25,4			17,5	4,4	AISI 303	23	SST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	AISI 303	74	SST-2-BSPP
1/4"	1/4"-18	NPTF	13/16"	37,3			23,8	6,4	AISI 303	75	SST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	AISI 303	115	SST-3-BSPP
3/8"	3/8"-18	NPTF	1"	40,4			29,0	9,5	AISI 303	117	SST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	AISI 303	172	SST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	AISI 303	174	SST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	AISI 303	268	SST-6-BSPP
3/4"	3/4"-14	NPTF	1 7/16"	52,1			41,7	18,3	AISI 303	304	SST-6
1"	1"-11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	AISI 303	519	SST-8

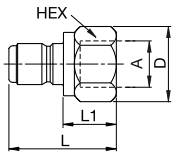
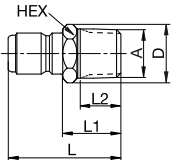


Male Thread

1/8"	1/8"-27	NPTF	9/16"	26,9	9,5		17,5	4,4	AISI 303	22	SST-1M
1/4"	1/4"-18	NPTF	13/16"	42,9	13,5		23,8	6,4	AISI 303	71	SST-2M
3/8"	3/8"-18	NPTF	1"	44,5	14,5		29,0	9,5	AISI 303	100	SST-3M
1/2"	1/2"-14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	AISI 303	149	SST-4M
3/4"	3/4"-14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	AISI 303	211	SST-6M
1"	1"-11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	AISI 303	385	SST-8M

Plugs

ST-Series Stainless Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
 <p>Female Thread</p>	1/8"	1/8"-27	NPTF	9/16"	24,8	14,3		16,4	4,4	AISI 303	17	SST-N1
	1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2-BSPP
	1/4"	1/4"-18	NPTF	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2
	3/8"	3/8"	BSPP	7/8"	41,3	19,1		25,6	9,5	AISI 303	53	SST-N3-BSPP
	3/8"	3/8"-18	NPTF	7/8"	41,3	19,1		25,6	9,5	AISI 303	50	SST-N3
	1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	AISI 303	103	SST-N4-BSPP
	1/2"	1/2"-14	NPTF	1 1/8"	48,5	24,7		32,7	11,9	AISI 303	105	SST-N4
	3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	156	SST-N6-BSPP
	3/4"	3/4"-14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	169	SST-N6
	1"	1"-11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	AISI 303	272	SST-N8
 <p>Male Thread</p>	1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	AISI 303	10	SST-N1M
	1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	AISI 303	24	SST-N2M
	3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	AISI 303	41	SST-N3M
	1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	AISI 303	64	SST-N4M
	3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	AISI 303	100	SST-N6M
	1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	AISI 303	198	SST-N8M

Seal-Kit

ST-Series

Body Size	Version	Material	Part Number
1/8"	Seal	NBR	020010N0674
1/4"	Seal	NBR	020110N0674
3/8"	Seal	NBR	020112N0674
1/2"	Seal	NBR	020114N0674
3/4"	Seal	NBR	020212N0674
1"	Seal	NBR	020217N0674
1 1/4"	Seal	NBR	020222N0674
1 1/2"	Seal	NBR	020327N0674





Body Size

3/8" up to 1"

Parker Profile

NS-Series



Technical Description

The NS series is unique among non spill types in having a recess on the female side to help locate the male during connection, making the process easy even in „blind“ conditions. Minimal fluid loss during disconnection. NS couplings have minimal pressure drop and minimal inclusion of air or dust during connection.

Advantages

Push to connect system: Push on the male tip to connect. Flush-faced poppet valve for reduced spillage during connection/disconnection. The seal is crimped to prevent seal washout at high flow rates. Solid steel barstock construction: induction-hardened for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock and brinelling. A safety sleeve lock prevents accidental disconnection. Sleeve is rotated to the stop to engage the lock.

Applications

- Maintenance of high-voltage power transmission lines
- Construction, railway maintenance and mining industry
- Inplant use where oil spillage can create a hazard
- Overhead bucket hoists

Working Temperature

-40°C up to + 110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Working Pressure

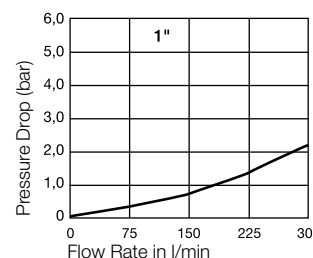
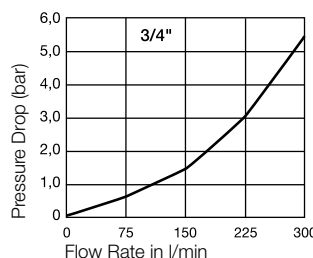
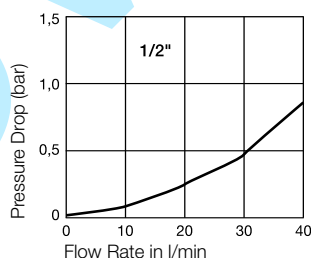
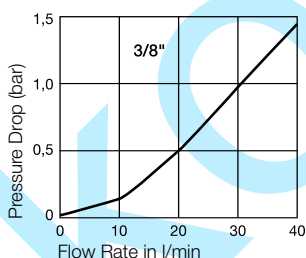
Body Size	Max. Operating Pressure connected
3/8"	175 bar
1/2"	175 bar
3/4"	175 bar
1"	175 bar

Leakage and Air Inclusion

Body Size	Spillage max. per disconnection	Air inclusion max. per disconnection
3/8"	0,020 ml	0,010 ml
1/2"	0,070 ml	0,020 ml
3/4"	0,150 ml	0,050 ml
1"	0,220 ml	0,070 ml

Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Stainless Steel
Seals	NBR
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Aluminium

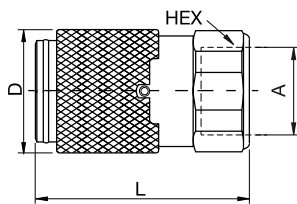
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Couplings

NS-Series

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	1 1/16"	53,3		28,7	Steel	164	NS-371-6FB
3/8"	3/8" - 18	NPSF	1 1/16"	53,3		28,7	Steel	174	NS-371-6FP
1/2"	1/2"	BSPP	1 1/4"	75,4		39,2	Steel	373	NS-501-8FB
1/2"	1/2" - 14	NPSF	1 1/4"	73,2		39,2	Steel	389	NS-501-8FP
3/4"	3/4"	BSPP	1 9/16"	85,3		49,8	Steel	711	NS-751-12FB
3/4"	3/4" - 14	NPSF	1 9/16"	81		49,8	Steel	694	NS-751-12FP
1"	1"	BSPP	1 3/4"	96,8		57,2	Steel	775	NS-1001-16FB
1"	1" - 11 1/2	NPSF	1 3/4"	94		57,2	Steel	1065	NS-1001-16FP

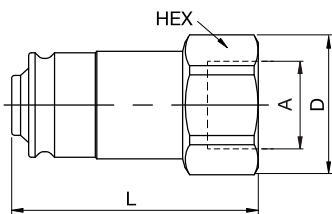


Female Thread*

Plugs

NS-Series

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	15/16"	31,8	45,2	27,4	Steel	70	NS-372-6FB
3/8"	3/8" - 18	NPSF	15/16"	29,7	43,2	27,4	Steel	73	NS-372-6FP
1/2"	1/2"	BSPP	1 1/16"	21,1	49,5	31,2	Steel	106	NS-502-8FB
1/2"	1/2" - 14	NPSF	1 1/16"	17,5	46	31,2	Steel	96	NS-502-8FP
3/4"	3/4"	BSPP	1 3/8"	34	62,7	40,4	Steel	233	NS-752-12FB
3/4"	3/4" - 14	NPSF	1 3/8"	28,4	57,2	40,4	Steel	237	NS-752-12FP
1"	1"	BSPP	1 5/8"	42,7	70,6	47,8	Steel	355	NS-1002-16FB
1"	1" - 11 1/2	NPSF	1 5/8"	39,1	67,1	47,8	Steel	326	NS-1002-16FP



Female Thread*

*NPSF threads in this series are straight (cylindrical) instead of tapered. These threads are primarily intended for assembly with full length NPTF external taper threads.

Dust Protection

NS-Series

Body Size	Version	Material	Part Number
3/8"	for coupling and plug	Thermoplastic	NR-37
1/2"	for coupling and plug	Thermoplastic	NR-50
3/4"	for coupling and plug	Thermoplastic	NR-75
1"	for coupling and plug	Thermoplastic	NR-100





Body Size

3/8" up to 1"

Screw-to-Connect

QHPA-Series

**Technical Description**

Screw-to-connect type of coupling for difficult applications. Rugged, modular construction in steel, working up to 450 bar.

Advantages

Self locking threads and external seal to prevent accidental disconnection. NBR seals and back-up ring in PTFE to withstand pressure impulses. Sleeve mounted on the male tip to protect the sealing area.

Three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications

- Agricultural and mobile equipment
- Rock hammers
- Forestry equipments
- Snow groomers
- Excavators

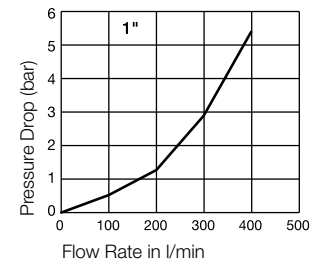
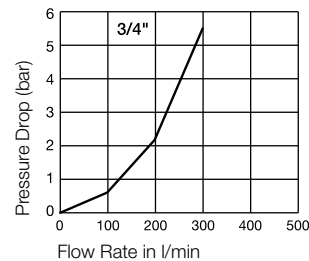
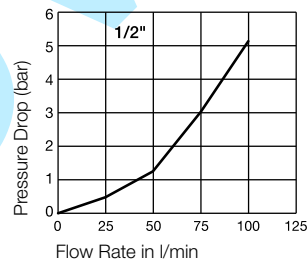
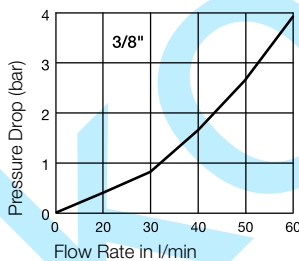
Working Pressure

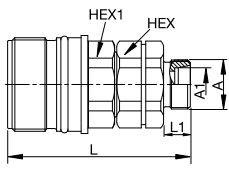
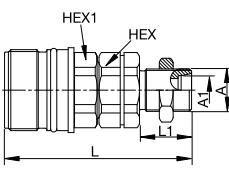
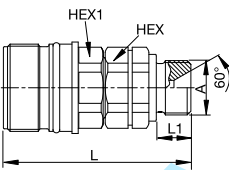
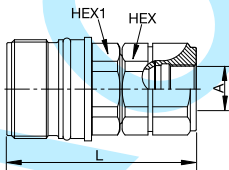
3/8" 450 bar
1/2" 400 bar
3/4" 370 bar
1" 300 bar

Working Temperature

-25°C up to +110°C (NBR) depending on the medium.

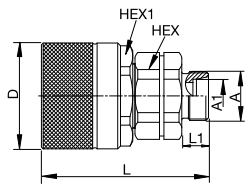
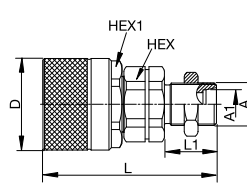
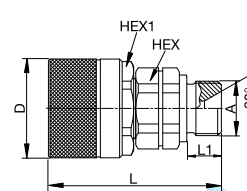
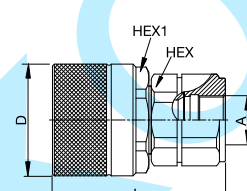
Material Coupling	Standard
Valve Body	Steel, silver plated
Back Body	Steel, silver plated
Back-up Ring	PTFE
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Standard
Plug Body	Steel, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated
Sleeve	Steel, silver plated

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

	Size	Body Size	Conne- tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M 14 x 1,5	8	22	24	62	10		Light Series	147	QHPA53-D6X2-C
	2	3/8"	M 16 x 1,5	10	22	24	63	11		Light Series	148	QHPA53-D6X3-C
	2	3/8"	M 18 x 1,5	10	22	30	64	12		Heavy Series	154	QHPA53-D7X3-C
	2	3/8"	M 20 x 1,6	12	22	24	64	12		Heavy Series	156	QHPA53-D7X4-C
	3	1/2"	M 18 x 1,5	12	30	30	68	11		Light Series	285	QHPA54-D6X4-C
	3	1/2"	M 22 x 1,5	15	30	30	69	12		Light Series	290	QHPA54-D6X5-C
	3	1/2"	M 22 x 1,6	14	30	30	71	14		Heavy Series	277	QHPA54-D7X5-C
	3	1/2"	M 24 x 1,5	16	30	30	71	14		Heavy Series	298	QHPA54-D7X6-C
	6	3/4"	M 26 x 1,5	18	41	41	95	12		Light Series	729	QHPA56-D6X6-C
	6	3/4"	M 30 x 2	22	41	41	97	14		Light Series	736	QHPA56-D6X7-C
	6	3/4"	M 30 x 2	20	41	41	99	16		Heavy Series	747	QHPA56-D7X7-C
	6	3/4"	M 36 x 2	25	41	41	101	18		Heavy Series	765	QHPA56-D7X8-C
8	1"	M 42 x 2	30	55	65	114	20		Heavy Series	1572	QHPA58-D7X9-C	
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M 14 x 1,5	8	22	24	76	25		Light Series	167	QHPA53-E6X2-C
	2	3/8"	M 16 x 1,5	10	22	24	78	26		Light Series	179	QHPA53-E6X3-C
	2	3/8"	M 20 x 1,5	12	22	24	78	27		Heavy Series	198	QHPA53-E7X4-C
	3	1/2"	M 18 x 1,5	12	30	30	87	30		Light Series	313	QHPA54-E6X4-C
	3	1/2"	M 22 x 1,5	15	30	30	84	27		Light Series	337	QHPA54-E6X5-C
	3	1/2"	M 24 x 1,5	16	30	30	86	29		Heavy Series	356	QHPA54-E7X6-C
	6	3/4"	M 26 x 1,5	18	41	41	115	32		Light Series	822	QHPA56-E6X6-C
	6	3/4"	M 30 x 2	20	41	41	121	38		Heavy Series	865	QHPA56-E7X7-C
	6	3/4"	M 36 x 2	25	41	41	121	38		Heavy Series	918	QHPA56-E7X8-C
	8	1"	M 42 x 2	30	55	65	134	40		Heavy Series	1757	QHPA58-E7X9-C
 <p>Male BSPP Thread – DIN 3852 Form B</p>	2	3/8"	3/8"		22	24	66	12			183	QHPA53-F4B3-C
	3	1/2"	1/2"		30	30	72	12			301	QHPA54-F4B4-C
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	3/8"		22	24	67				155	QHPA53-G4X3-C
	3	1/2"	1/2"		30	30	73				311	QHPA54-G4X4-C
	6	3/4"	3/4"		41	41	96				838	QHPA56-G4X6-C
	6	3/4"	1"		41	41	101				786	QHPA56-G4X8-C



Plugs

QHPA-Series

	Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13-D6X2-C
	2	3/8"	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13-D6X3-C
	2	3/8"	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13-D7X3-C
	2	3/8"	M 20 x 1,5	12	22	30	61	12	34	Heavy Series	162	QHPA13-D7X4-C
	3	1/2"	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14-D6X4-C
	3	1/2"	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14-D6X5-C
	3	1/2"	M 22 x 1,5	14	32	36	65	14	42	Heavy Series	254	QHPA14-D7X5-C
	3	1/2"	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
	6	3/4"	M 26 x 1,5	18	41	50	79	12	55	Light Series	656	QHPA16-D6X6-C
	6	3/4"	M 30 x 2	22	41	50	81	14	55	Light Series	663	QHPA16-D6X7-C
	6	3/4"	M 30 x 2	20	41	50	82	16	55	Heavy Series	674	QHPA16-D7X7-C
	6	3/4"	M 36 x 2	25	41	50	85	18	55	Heavy Series	592	QHPA16-D7X8-C
8	1"	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C	
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M 14 x 1,5	8	22	30	74	25	34	Light Series	173	QHPA13-E6X2-C
	2	3/8"	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13-E6X3-C
	2	3/8"	M 20 x 1,5	12	22	30	76	27	34	Heavy Series	204	QHPA13-E7X4-C
	3	1/2"	M 18 x 1,5	12	30	36	81	30	42	Light Series	270	QHPA14-E6X4-C
	3	1/2"	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14-E6X5-C
	3	1/2"	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14-E7X6-C
	6	3/4"	M 26 x 1,5	18	41	50	102	27	55	Light Series	749	QHPA16-E6X6-C
	6	3/4"	M 30 x 2	20	41	50	104	27	55	Heavy Series	792	QHPA16-E7X7-C
	6	3/4"	M 36 x 2	25	41	50	105	38	55	Heavy Series	845	QHPA16-E7X8-C
8	1"	M 42 x 2	30	55	80	138	40	85	Heavy Series	2350	QHPA18-E7X9-C	
 <p>Male BSPP Thread – DIN 3852 Form B</p>	2	3/8"	3/8"		22	30	72	12	34		188	QHPA13-F4B3-C
	3	1/2"	1/2"		30	36	66	12	42		258	QHPA14-F4B4-C
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	3/8"		22	30	65		34		161	QHPA13-G4X3-C
	3	1/2"	1/2"		30	36	73		42		268	QHPA54-G4X4-C
	6	3/4"	3/4"		41	50	79		55		765	QHPA16-G4X6-C
	6	3/4"	1"		41	50	85		55		713	QHPA16-G4X8-C


Dust Protection

QHPA-Series

	Body Size	Description	Material	Color	Part Number
	3/8"	for coupling	Plastic	Red	QHPA13-DC
	1/2"	for coupling	Plastic	Red	QHPA14-DC
	3/4"	for coupling	Plastic	Red	QHPA16-DC
	1"	for coupling	Plastic	Red	QHPA18-DC
	3/8"	for plug	Plastic	Red	QHPA53-DP
	1/2"	for plug	Plastic	Red	QHPA54-DP
	3/4"	for plug	Plastic	Red	QHPA56-DP
	1"	for plug	Plastic	Red	QHPA58-DP

Seal-Kit

QHPA-Series

	Body Size	Description	Part Number
	3/8"	NBR/PTFE	QHPA53-C-KIT
	1/2"	NBR/PTFE	QHPA54-C-KIT
	3/4"	NBR/PTFE	QHPA56-C-KIT
	1"	NBR/PTFE	QHPA58-C-KIT
<p>O-Ring NBR and Back-up Ring PTFE</p> <p>The kit contains the O-Ring and the outside ring in NBR as well as the back-up ring in PTFE.</p>			



Body Size

3/4" up to 1 1/2"

Parker Profile

6100-Series

**Technical Description**

Screw-to-connect coupling. Connection and disconnection possible with full system pressure. Compatible with a broad range of media. Limited fluid spillage during disconnection.

Advantages

Bonded valve seal permits full pressure connect and disconnect without seal washout. Heavy-duty wing nut, ruggedly built, specifically to withstand the hammer blows, used to tighten and loosen this coupler. Flush-faced poppet valve

for reduced spillage during disconnection. Connection indicator: visual check for complete connection of the couplings.

The flange is designed to give a positive "no-slip" bulkhead mounting to reduce downtime.

Applications

- Dump trailers: to connect the tractor to wet-line hydraulic systems
- Connection of hydraulic lines on oil field equipment like power tongs, swivels and mobile drilling rigs.
- Submersible pumps, engine test stands
- Applications where heavy-duty couplings are required

Working Temperature

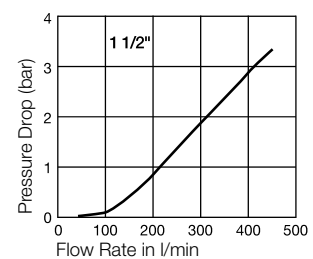
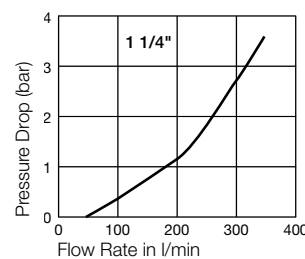
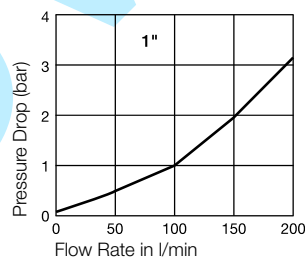
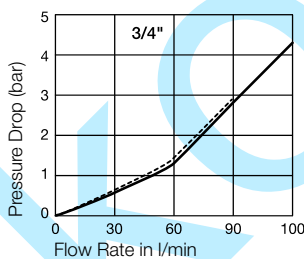
-40°C up to + 110°C (NBR) depending on the medium.

Working pressure

Body Size	Max. operating pressure connected
3/4"	210 bar
1"	210 bar
1 1/4"	190 bar
1 1/2"	175 bar

Material Coupling	Standard
Coupling Body	Brass
Sleeve	Steel
Back-up Ring	PTFE
Valve	Brass
Springs	Stainless Steel
Seals	NBR

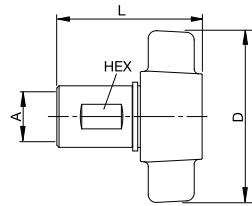
Material Plug	Standard
Plug Body	Brass
Valve	Brass
Springs	Stainless Steel
Seals	NBR

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

- Female thread 1/2" - 14
- - - Female thread 3/4" - 18

Couplings with Wing Nut

6100-Series

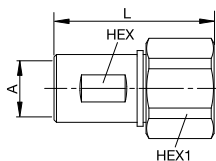


Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/32"		102,6	75,9	600	6125-08-BSPP
3/4"	3/4"	BSPP	1 5/32"		102,6	79,8	560	6125-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	75,9	590	6125-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	79,8	572	6125-12
1"	1"	BSPP	1 7/16"		111,3	96,5	869	6125-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	96,5	857	6125-16
1 1/4"	1 1/4"	BSPP	1 25/32"		132,1	103,8	1221	6125-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	103,8	1288	6125-20
1 1/2"	1 1/2"	BSPP	2"		135,1	108,5	1733	6125-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	108,5	1687	6125-24

Couplings with Hexagon Nut

6100-Series

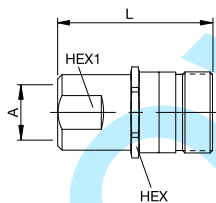


Female Thread

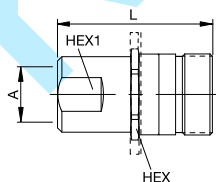
Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-08
3/4"	3/4" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-12
1"	1" - 11 1/2	NPTF	1 7/16"	2 1/8"		98,3	739	6135-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"	2 1/2"		105,6	1120	6135-20

Plugs

6100-Series



Female Thread - without flange

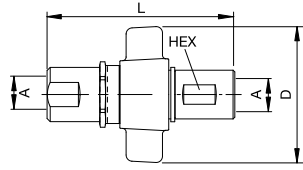


Female Thread - with flange

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/8"	1 3/16"		79	416	6105-08-BSPP
3/4"	3/4"	BSPP	1 5/8"	1 3/16"		83,8	349	6105-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6105-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6105-12
1"	1"	BSPP	1 7/8"	1 9/16"		90,2	571	6105-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6105-16
1 1/4"	1 1/4"	BSPP	2 1/8"	1 7/8"		94,2	754	6105-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6105-20
1 1/2"	1 1/2"	BSPP	2 1/2"	2 3/16"		104,6	1155	6105-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6105-24
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6115-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6115-12
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6115-16
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6115-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6115-24

Complete Set with Wing Nut (Male + Female)

6100-Series

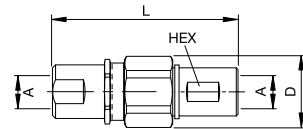


Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6100-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6100-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6100-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6100-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6100-24

Complete Set with Hexagon Nut (Male + Female)

6100-Series

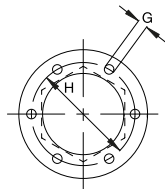


Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6120-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6120-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6120-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6120-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6120-24

Flange

6100-Series



Body Size	G mm	H mm	Part Number
3/4"	5,3	54,0	6107-08
1"	5,3	60,3	6107-16
1 1/4"	5,3	66,7	6107-20
2 1/2"	7,1	82,6	6107-24

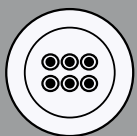
Dust Protection

6100-Series



Body Size	Version	Part Number
3/4"	for coupling	6109-08
1"	for coupling	6109-16
1 1/4"	for coupling	6109-20
1 1/2"	for coupling	6109-24
3/4"	for plug	6108-08
1"	for plug	6108-16
1 1/4"	for plug	6108-20
1 1/2"	for plug	6108-24

KOLVAZ S.r.l.



Body Size

1/2"

Multi-Couplings

MACH-Series

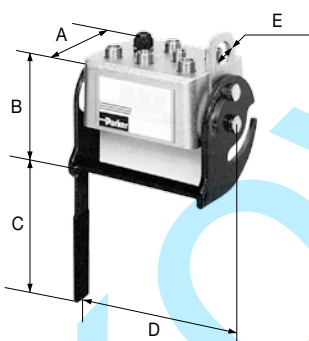


Technical Performance Data

Body Size inch	Temperatur Range	Maximum operating pressure
1/2"	-30°C up to +110°C	250 bar

Top Connector (Coupling Plate)

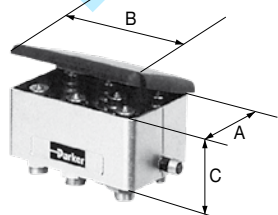
This top connector unit includes the top casting and automatic protective cover, 4 to 7 female quick couplings and a complete locking system. In the most common version with 7 lines, the top connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	120 mm
B	145 mm
C	160 mm
D	210 mm
E	∅ 30 mm

Base Connector (Plug Plate)

This base connector unit includes the base casting and automatic protective cover, 4 to 7 male quick couplings and the positioning pins. Also included are an adaptor and a plastic hose to drain oil. In the most common version with 7 lines, the base connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	109 mm
B	170 mm
C	70 mm

Technical Description

The couplings meet the requirements of ISO 7241-1 Series A. Possible to connect 4, 5, 6 or 7 hydraulic lines simultaneously. No coupling misconnection or accidental disconnection. Using a standard interface will still allow end users to connect their standard quick coupling equipped implements. In the version with seven lines (MACH 7), the base connector is equipped with an electrical connector as standard feature, which is an option on the MACH 4, 5 and 6.

Advantages

Individual ball locking system and central cam locking mechanism: a simple movement enables to connect all the hydraulic lines. Three part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Possible to connect with two lines under 200 bar, if other lines are not under pressure. Easy and fast connection and disconnection of implements or tooling.

Applications

- Agricultural (front loaders, hedge cutters,...)
- Road service vehicles (road systems lorries, road sweepers, snowploughs,...)
- Industrial Applications

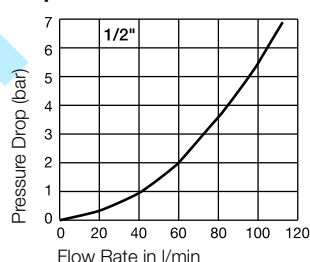
Working Pressure

max. 250 bar

Working Temperature

-30°C up to +110°C (NBR) depending on the medium.

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

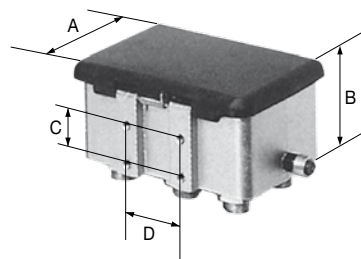


Material

Coupling-/Plug Plates	Steel
Support Plate	Steel
Protective Cap	Thermoplastic
Couplings and Plugs	Steel
Seals	NBR
Locking Mechanism	Steel
Connector Castings	Aluminium

Installation


Base unit: Mounted with 4 screws M 8 x 1,25 mm



	1/2"
A	125 mm
B	80 mm
C	30 mm
D	50 mm


Coupling Plate

MACH-Series


	Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
	1/2"	4	4	0	without	MACH4/715LT
	1/2"	4	4	0	with	MACH4/715LTE
	1/2"	5	5	0	without	MACH5/715LT
	1/2"	5	5	0	with	MACH5/715LTE
	1/2"	6	6	0	without	MACH6/715LT
	1/2"	6	6	0	with	MACH6/715LTE
	1/2"	7	6	1	with	MACH7T

Plug Plate

MACH-Series

	Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
	1/2"	4	4	0	without	MACH4/715LB
	1/2"	4	4	0	with	MACH4/715LBE
	1/2"	5	5	0	without	MACH5/715LB
	1/2"	5	5	0	with	MACH5/715LBE
	1/2"	6	6	0	without	MACH6/715LB
	1/2"	6	6	0	with	MACH6/715LBE
	1/2"	7	6	1	with	MACH7B

Oil Drain Kit

	Description	Part Number
	This kit includes the removable tank to contain oil spillage and a holding fixture.	MACH A

Spare Parts **MACH-Series**

	Description	End Configuration	Part Number
	Electrical socket		MACH 8900214
	Washer		MACH 8900227
	Grommet		MACH 8900226
	Electrical plug		MACH 8900213
	Snap ring		MACH7980035
	Counter plate		MACHF08767030
	Cover		MACH5400303
	Adaptor outside seal		JT020117N0552
	Coupling	DIN 2353-15L	3V54D6X5MCH
	Plug	DIN 2353-15L	4V14E6X5MCHA
Coupling	DIN 2353-12L	3V54D6X4MCH	
Plug	DIN 2353-12L	4V14E6X4MCHA	

KONAN

KOLVAZ S.r.l.



Body Size

1/2"

Multi-Couplings

MACH 2-Series

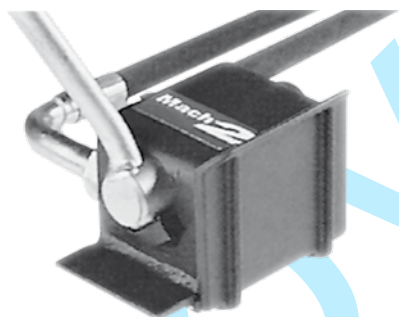


Technical Performance Data

Body Size inch	Temperatur Range	Maximum operating pressure
1/2"	-30°C up to +110°C	250 bar

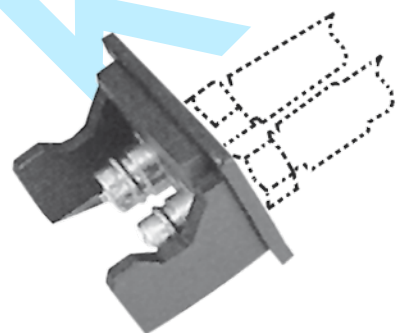
Connecting box (Coupling Plate)

Complete unit including the base connector unit, its dust cover, a lever acting as a central locking device and 2 female couplings.



Plug Plate

Complete unit including the connecting plug and 2 male tips, which meet the requirements of ISO 7241-1-A.



Technical Description

The couplings meet requirements of ISO 7241-1 Series A. Possibility to connect 2 hydraulic lines simultaneously. No coupling misconnection or accidental disconnection. Possibility of connecting under pressure up to 250 bar in one hydraulic line only.

Advantages

Central came locking system. Poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications

- Agricultural (front loaders, hedge cutters,...)
- Road service vehicles (road systems lorries, road sweepers, snowploughs,...)
- Industrial Applications

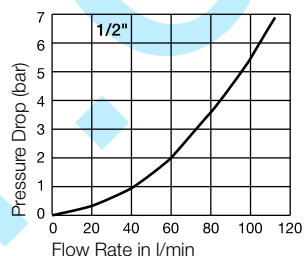
Working Pressure

max. 250 bar

Working Temperature

-30°C up to +110°C (NBR) depending on the medium.

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

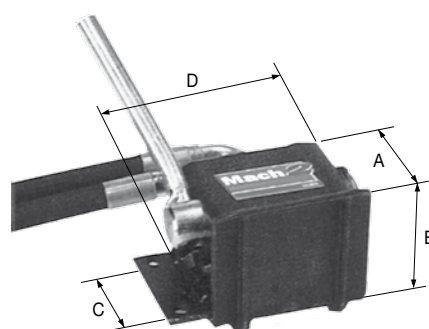


Material

Protective Cap	Thermoplastic
Quick Connect Couplings/-Plugs	Steel
Seals	NBR
Locking Mechanism	Steel
Casting Boxes	Steel

Installation

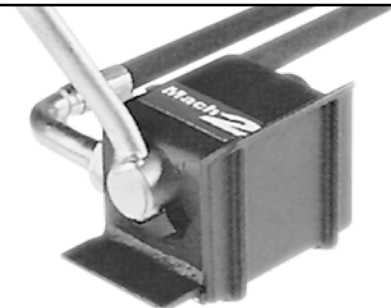
Mechanical attachment: 2 mounting holes \varnothing 8,5 mm



1/2"	
A	100 mm
B	80 mm
C	55 mm
D	125 mm

Coupling Plate

MACH 2-Series

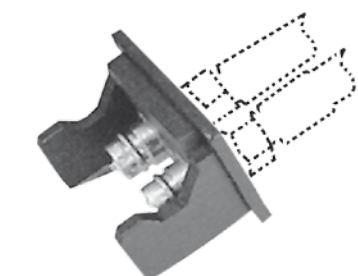


End Configuration	Coupling (2 pcs.)	Top Casting (1 pc.)	Weight gr.	Part Number
M 22 x 1,5 - DIN2353-15L	1/2"	1/2"	2723	MACH2-IA-B

Other types of MACH 2 with non-spill connections are also available on request.
Please consult us for further information.

Plug Plate

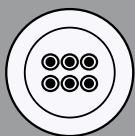
MACH 2-Series



End Configuration	Coupling (2 pcs.)	Top Casting (1 pc.)	Weight gr.	Part Number
M 22 x 1,5 - DIN2353-15L	1/2"	1/2"	1203	MACH2-IA-P

Spare Parts

Description	Part Number
Coupling seal	JT020117N0552
Coupling	LV54D6X5MLXC
Plug	LV14E6X5MLX

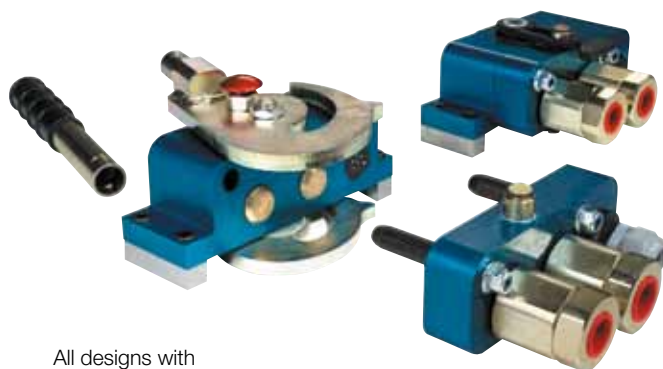


Body Size

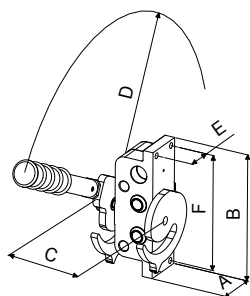
3/8" up to 1/2"

Multi-Line

C-Line Compact



All designs with female thread.

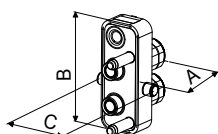


Coupling Plate/Combinations

3/8" and 1/2"	
A	60 mm
B	189 mm
C	108 mm
D	278 mm
E	40 mm
F	173 mm

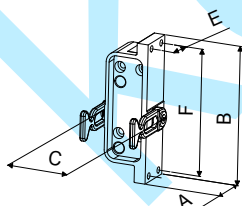
Plug Plate/Combinations

	3/8"	1/2"
A	72 mm	84 mm
B	150 mm	150 mm
C	88 mm	88 mm



Support Plate

3/8" and 1/2"	
A	52 mm
B	189 mm
C	86 mm
E	30 mm
F	173 mm



Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-pole Electrical Connection

- Male part (coupling plate)
- Cable: 7 x 1,5 RDOE 5m
- Female part (plug plate)
- Cable: 7 x 1,5 RDOE 3m
- Not IP classified
- Contact block: NBR
- Connector: (pins and casing) bronze, silver plated
- Electric connection box: Thermoplastic (POM)
- Pull relief (cable): PA/NBR
- Max. voltage: 24 V
- Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A.

Working Temperature

-30°C up to +100°C (NBR/PUR)

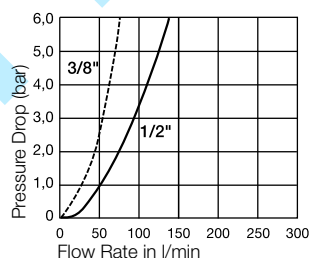
Working Pressure

Max. pressure range:
350 bar (safety factor 4:1)

Attention:

Half the number of connections in the respective sizes.

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow:

3/8" – 54 l/min (3 bar press. drop)
1/2" – 97 l/min (3 bar press. drop)

Nominal Diameter in mm:

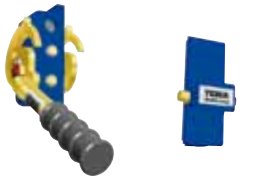
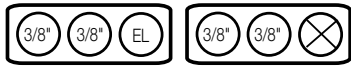
3/8" – 10
1/2" – 12,5

Material

Coupling-/Plug Plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Couplings and Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Mechanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

Coupling Plate with Protective Cap (3/8")

C-Line Compact



Locking Lever, detachable
Locking Button right side

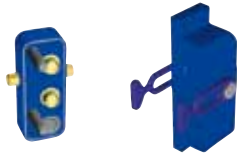
Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole		right	right	6000	TMFC 33Y BBR*
2		1	right	right	4800	TMFC 33W BBR*
2	7-pole		left	left	6000	TMFC 33Y B**
2		1	left	left	4800	TMFC 33W B**

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (3/8")

C-Line Compact



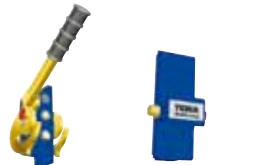
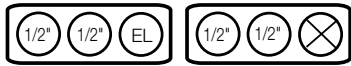
Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole				3600	TMMC 33Y
2		1			2800	TMMC 33W

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

Coupling Plate with Protective Cap (1/2")

C-Line Compact



Locking Lever, detachable
Locking Button left Side

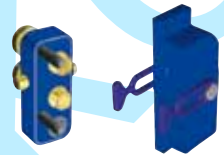
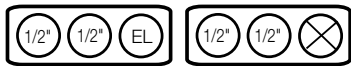
Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole		right	right	6100	TMFC 55Y BBR*
2		1	right	right	4800	TMFC 55W BBR*
2	7-pole		left	left	6100	TMFC 55Y B**
2		1	left	left	4800	TMFC 55W B**

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (1/2")

C-Line Compact



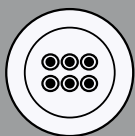
Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole				4100	TMMC 55Y
2		1			3300	TMMC 55W

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

* Designed to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).



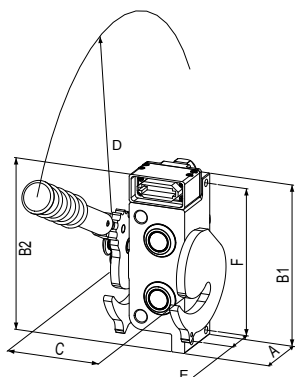
Body Size

1/2" up to 3/4"

Multi-Line

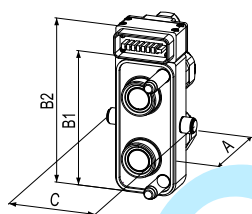
C-Line Compact

All designs with female thread.



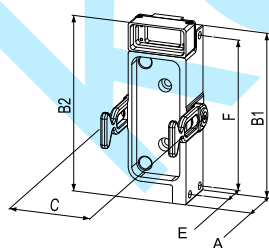
Coupling Plate/Combinations

1/2" and 3/4"	
A	70 mm
B1	189 mm
B2	202 mm ¹⁾
C	115 mm
D	27 mm
E	40 mm
F	173 mm



Plug Plate/Combinations

1/2" and 3/4"	
A	97 mm
B1	148 mm
B2	181 mm ¹⁾
C	96 mm



Support Plate

1/2" and 3/4"	
A	52 mm
B1	189 mm
B2	202 mm ¹⁾
C	93 mm
E	30 mm
F	173 mm

¹⁾ with electrical plug

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

14-pole Electrical Connection

- Delivery exclusive of cables
- Protection category IP 67 (coupled)
- Screwed conductor connector: 0,5 – 1,5 mm² copper coated
- Pins and sleeves: Elect. junction box: Aluminium
- Traction relief: PA/NBR 9 –16 mm
- Max. voltage: 48 V
- Max. current: 10 A per core

Working Temperature

-30°C up to +100°C (NBR/PUR)

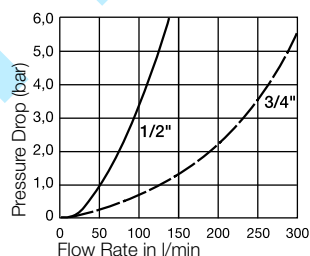
Working Pressure

Max. pressure range:
350 bar (safety factor 4:1)

Attention:

Half the number of connections in the respective sizes.

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow:

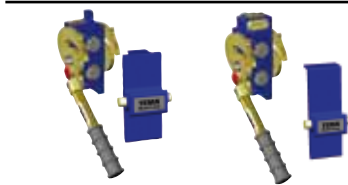
1/2" – 97 l/min (3 bar press. drop)
3/4" – 240 l/min (3 bar press. drop)

Nominal Diameter in mm:

1/2" – 12,5
3/4" – 19

Material

Coupling-/Plug plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Couplings and Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Mechanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

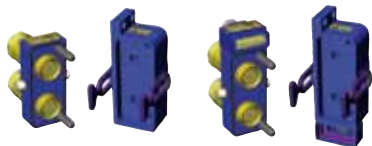
Coupling Plate with Protective Cap (1/2")**C-Line Compact**

Locking Lever, detachable
Locking Button right Side

Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2			left	left	5100	TMFC 55 B**
2	14-pole		left	left	5400	TMFC 55 QB**
2			right	right	5100	TMFC 55 BBR*
2	14-pole		right	right	5400	TMFC 55 QBBR*

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (1/2")**C-Line Compact**

Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2					3600	TMMC 55
2	14-pole				3900	TMMC 55 Q

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

Coupling Plate with Protective Cap (3/4")**C-Line Compact**

Locking Lever, detachable
Locking Button right Side

Coupling 3/4"	Electrical Connection (1 pc.)	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2			left	left	5100	TMFC 77 B**
2	14-pole		left	left	5400	TMFC 77 QB**
2			right	right	5100	TMFC 77 BBR*
2	14-pole		right	right	5400	TMFC 77 QBBR*

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (3/4")**C-Line Compact**

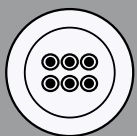
Plug 3/4"	Electrical Connection (1 pc.)	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2					3600	TMMC 77
2	14-pole				3900	TMMC 77 Q

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

* Designed to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).

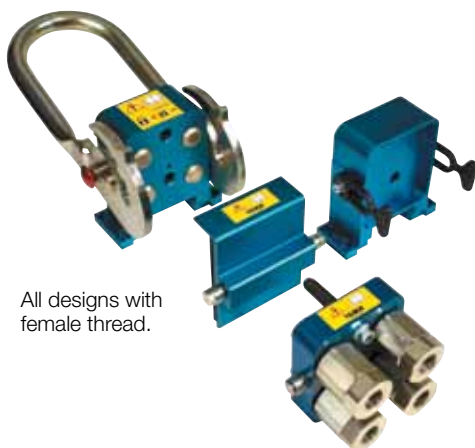


Body Size

3/8" up to 3/4"

Multi-Line

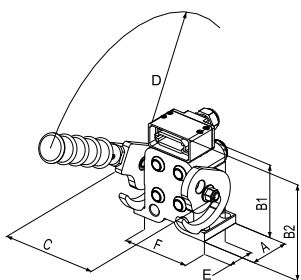
C-Line Standard



All designs with female thread.

Coupling Plate/Combinations

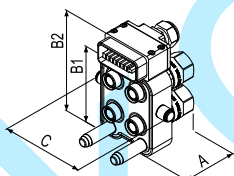
	1/2", 3/8" + 1/2" Twin-arm lever	1/2", 3/8" + 1/2" Single lever, fixed	1/2", 3/8" + 1/2" Single lever, detachable
A	60 mm	60 mm	60 mm
B1	143 mm	143 mm	143 mm
B2	176 mm	176 mm	176 mm
C	160 mm	165 mm	170 mm
D	270 mm	290 mm	276 mm
E	40 mm	40 mm	40 mm
F	121 mm	121 mm	121 mm



	4 x 3/8" All levers	3/4" + 1/2", 3/4" + 1/2" + 3/8" Twin-arm lever	3/4" + 1/2", 3/4" + 1/2" + 3/8" Single lever, fixed	3/4" + 1/2", 3/4" + 1/2" + 3/8" Single lever, det.
A	60 mm	70 mm	70 mm	70 mm
B1	103 mm	143 mm	143 mm	143 mm
B2	136 mm ¹⁾	176 mm ¹⁾	176 mm ¹⁾	176 mm ¹⁾
C	135 mm	160 mm	165 mm	170 mm
D	200 mm	270 mm	290 mm	276 mm
E	40 mm	50 mm	50 mm	50 mm
F	96 mm	121 mm	121 mm	121 mm

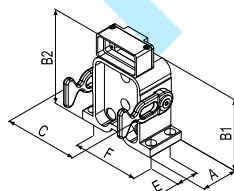
Plug Plate/Combinations

	4 x 3/8"	1/2", 1/2" + 3/8"	3/4" + 1/2", 3/4" + 1/2" + 3/8"
A	72 mm	83 mm	95 mm
B1	101 mm	115 mm	115 mm
B2	134 mm ¹⁾	148 mm	148 mm
C	110 mm	135 mm	135 mm



Support Plate

	4 x 3/8"	all others
A	52 mm	52 mm
B1	103 mm	143 mm
B2	136 mm ¹⁾	176 mm ¹⁾
C	106 mm	141 mm
E	32 mm	30 mm
F	96 mm	121 mm



¹⁾ with electrical plug

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range:
350 bar (safety factor 4:1)

Attention:

half the number of connections in the respective sizes.

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-pole Electrical Connection

- Male part (coupling plate)
- Cable: 7 x 1,5 RDOE 5m
- Female part (plug plate)
- Cable: 7 x 1,5 RDOE 3m
- Not IP classified
- Contact block: NBR
- Connector: (pins and casing) bronze, silver plated
- Electric connection box: Thermoplastic (POM)
- Pull relief (cable): PA/NBR
- Max. voltage: 24 V
- Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A.

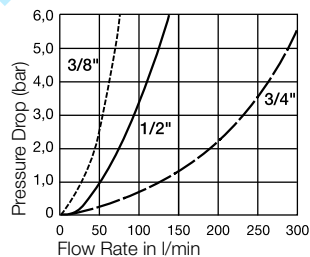
14-pole Electrical Connection

- Delivery exclusive of cables
- Protection category IP 67 (coupled)
- Screwed conductor connector: 0,5 – 1,5 mm²
- Pins and sleeves: copper coated
- Elect. junction box: Aluminium
- Traction relief: PA/NBR 9 – 16 mm
- Max. voltage: 48 V
- Max. current: 10 A per core

Working Temperature

-30°C up to +100°C (NBR/PUR)

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow:

3/8" – 54 l/min (3 bar press. drop)
1/2" – 97 l/min (3 bar press. drop)
3/4" – 240 l/min (3 bar press. drop)

Nominal Diameter in mm:

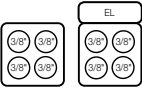



3/8" – 10
1/2" – 12,5
3/4" – 19

Material

Coupling-/Plug plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Quick Connect Couplings/-Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Mechanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

Coupling Plate with Protective Cap (3/8")

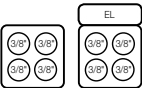

C-Line Standard

	Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
 Twin-arm Lever Locking Lever, Locking Button left Side	4			Twin-arm	left	3300	TMFC 3333
	4	14-pole		Twin-arm	left	3600	TMFC 3333 Q
	4			Twin-arm	right	3300	TMFC 3333 R
	4	14-pole		Twin-arm	right	3600	TMFC 3333 QR
 Single Lever, fixed Locking Lever, Locking Button right Side	4			left	left	3300	TMFC 3333 A
	4	14-pole		left	left	3600	TMFC 3333 QA
	4			right	right	3300	TMFC 3333 AAR
	4	14-pole		right	right	3600	TMFC 3333 QAAR
 Single Lever, detachable Locking Lever, Locking Button right Side	4			left	left	3300	TMFC 3333 B
	4	14-pole		left	left	3600	TMFC 3333 QB
	4			right	right	3300	TMFC 3333 BBR
	4	14-pole		right	right	3600	TMFC 3333 QBBR

Protective cap and assembly screws are included in the delivery.

Plug Plate with Support Plate (3/8")

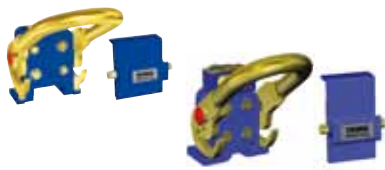
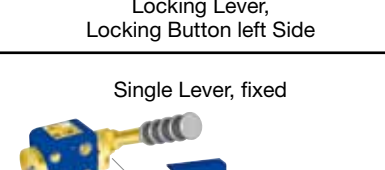

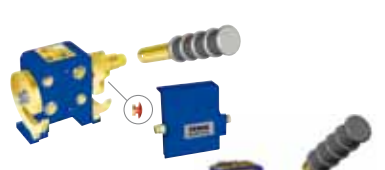

C-Line Standard

	Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
 The support plate is included. The support plate is supplied complete with assembly kit TM-214K.	4					2900	TMMC 3333
	4	14-pole				3200	TMMC 3333 Q

The support plate is included.


The support plate is supplied complete with assembly kit TM-214K.

Coupling Plate with Protective Cap (1/2" + 3/8") C-Line Standard

		1/2"	3/8"	14-pole	7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number		
 <p>Twin-arm Lever</p>	2	2					Twin-arm	left	5900	TMFC 5533		
	2	2	14-pole				Twin-arm	left	6200	TMFC 5533 Q		
	1	2	7-pole				Twin-arm	left	7100	TMFC 5Y33		
	1	2			1	Twin-arm	left	5700	TMFC 5W33			
	2	2				Twin-arm	right	5900	TMFC 5533 R			
	2	2	14-pole			Twin-arm	right	6200	TMFC 5533 QR			
 <p>Locking Lever, Locking Button left Side</p>	1	2	7-pole			Twin-arm	right	7100	TMFC 5Y33 R			
	1	2			1	Twin-arm	right	5700	TMFC 5W33 R			
	2	2				left	left	5500	TMFC 5533 A			
	2	2	14-pole			left	left	5800	TMFC 5533 QA			
 <p>Single Lever, fixed</p>	1	2	7-pole			left	left	6700	TMFC 5Y33 A			
	1	2			1	left	left	5400	TMFC 5W33 A			
	2	2				right	right	5500	TMFC 5533 AAR			
	2	2	14-pole			right	right	5800	TMFC 5533 QAAR			
	1	2	7-pole			right	right	6700	TMFC 5Y33 AAR			
	1	2			1	right	right	5400	TMFC 5W33 AAR			
 <p>Single Lever, detachable</p>	1	2				left	left	5700	TMFC 5533 B			
	2	2	14-pole			left	left	6000	TMFC 5533 QB			
	1	2	7-pole			left	left	6900	TMFC 5Y33 B			
	1	2			1	left	left	5500	TMFC 5W33 B			
	2	2				right	right	5700	TMFC 5533 BBR			
	2	2	14-pole			right	right	6000	TMFC 5533 QBRR			
 <p>Locking lever, Locking Button right Side</p>	1	2	7-pole			right	right	6900	TMFC 5Y33 BBR			
	1	2			1	right	right	5500	TMFC 5W33 BBR			

Protective cap and assembly screws are included in the delivery.







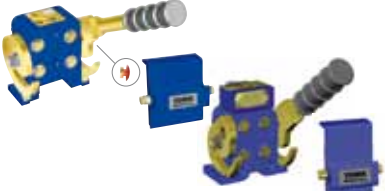

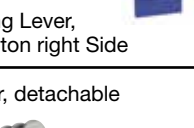
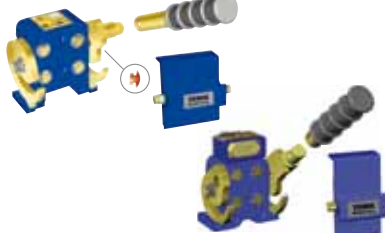

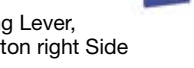
Plug Plate with Support Plate (1/2" + 3/8") C-Line Standard

		1/2"	3/8"	14-pole	7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number		
	2	2							4600	TMMC 5533		
	2	2	14-pole						4700	TMMC 5533 Q		
	1	2	7-pole						4900	TMMC 5Y33		
	1	2			1			4100	TMMC 5W33			

Assembly screws and support plate are included in the delivery.





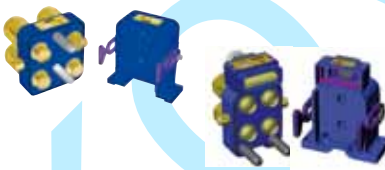
Coupling Plate with Protective Cap (1/2")

C-Line Standard

					Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number	
 Twin-arm Lever	4				4			Twin-arm	left	5900	TMFC 5555	
	4	14-pole			4	14-pole		Twin-arm	left	6200	TMFC 5555 Q	
	3	7-pole			3	7-pole		Twin-arm	left	7100	TMFC 555Y	
	3				3		1	Twin-arm	left	5700	TMFC 555W	
	4				4			Twin-arm	right	5900	TMFC 5555 R	
	4	14-pole			4	14-pole		Twin-arm	right	6200	TMFC 5555 QR	
 Locking Lever, Locking Button left Side	3	7-pole			3	7-pole		Twin-arm	right	7100	TMFC 555Y R	
	3				3		1	Twin-arm	right	5700	TMFC 555W R	
	 Single Lever, fixed											
 Locking Lever, Locking Button right Side	4				4			left	left	5600	TMFC 5555 A	
	4	14-pole			4	14-pole		left	left	5900	TMFC 5555 QA	
	3	7-pole			3	7-pole		left	left	6800	TMFC 555Y A	
	3				3		1	left	left	5400	TMFC 555W A	
	4				4			right	right	5600	TMFC 5555 AAR	
	4	14-pole			4	14-pole		right	right	5900	TMFC 5555 QAAR	
 Locking Lever, Locking Button right Side	3	7-pole			3	7-pole		right	right	6800	TMFC 555Y AAR	
	3				3		1	right	right	5400	TMFC 555W AAR	
	 Single lever, detachable											
	 Locking Lever, Locking Button right Side	4				4			left	left	5700	TMFC 5555 B
		4	14-pole			4	14-pole		left	left	6000	TMFC 5555 QB
		3	7-pole			3	7-pole		left	left	6900	TMFC 555Y B
3					3		1	left	left	5500	TMFC 555W B	
4					4			right	right	5700	TMFC 5555 BBR	
4		14-pole			4	14-pole		right	right	6000	TMFC 5555 QBBR	
 Locking Lever, Locking Button right Side	3	7-pole			3	7-pole		right	right	6900	TMFC 555Y BBR	
	3				3		1	right	right	5500	TMFC 555W BBR	
	Protective cap and assembly screws are included in the delivery.											

Plug Plate with Support Plate (1/2")

C-Line Standard

					Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
 Plug Plate with Support Plate	4				4					5100	TMMC 5555
	4	14-pole			4	14-pole				5200	TMMC 5555 Q
	3	7-pole			3	7-pole				5400	TMMC 555Y
	3				3		1			4600	TMMC 555W
Assembly screws and support plate are included in the delivery.											

Coupling Plate with Protective Cap (3/4" + 1/2") C-Line Standard


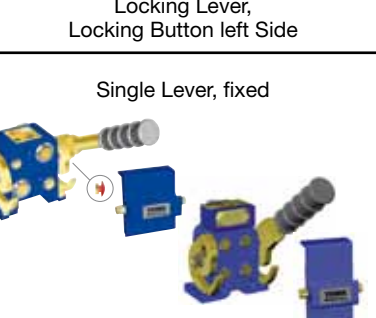
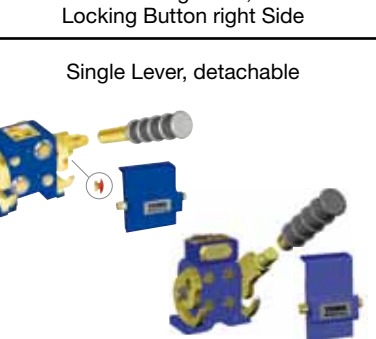
						Coupling 3/4"	Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number	
Twin-arm Lever 	2	2				2	2			Twin-arm	left	6600	TMFC 7755	
	2	2	14-pole			2	2	14-pole		Twin-arm	left	6900	TMFC 7755 Q	
	2	1	7-pole			2	1	7-pole		Twin-arm	left	7800	TMFC 775Y	
	2	1				2	1		1	Twin-arm	left	6400	TMFC 775W	
	2	2				2	2			Twin-arm	right	6600	TMFC 7755 R	
	2	2	14-pole			2	2	14-pole		Twin-arm	right	6900	TMFC 7755 QR	
	2	1	7-pole			2	1	7-pole		Twin-arm	right	7800	TMFC 775Y R	
Locking Lever, Locking Button left Side 	2	1				2	1		1	Twin-arm	right	6400	TMFC 775W R	
	Single Lever, fixed 	2	2				2	2			left	left	6300	TMFC 7755 A
		2	2	14-pole			2	2	14-pole		left	left	6600	TMFC 7755 QA
		2	1	7-pole			2	1	7-pole		left	left	7500	TMFC 775Y A
		2	1				2	1		1	left	left	6100	TMFC 775W A
		2	2				2	2			right	right	6300	TMFC 7755 AAR
		2	2	14-pole			2	2	14-pole		right	right	6600	TMFC 7755 QAAR
2		1	7-pole			2	1	7-pole		right	right	7500	TMFC 775Y AAR	
Locking Lever, Locking Button right Side 	2	1				2	1		1	right	right	6100	TMFC 775W AAR	
	Single Lever, detachable 	2	2				2	2			left	left	6400	TMFC 7755 B
		2	2	14-pole			2	2	14-pole		left	left	6900	TMFC 7755 QB
		2	1	7-pole			2	1	7-pole		left	left	7600	TMFC 775Y B
		2	1				2	1		1	left	left	6200	TMFC 775W B
		2	2				2	2			right	right	6400	TMFC 7755 BBR
		2	2	14-pole			2	2	14-pole		right	right	6900	TMFC 7755 QBBR
2		1	7-pole			2	1	7-pole		right	right	7600	TMFC 775Y BBR	
Locking Lever, Locking Button right Side 	2	1				2	1		1	right	right	6200	TMFC 775W BBR	
	Protective cap and assembly screws are included in the delivery.													

Plug Plate with Support Plate (3/4" + 1/2") C-Line Standard

						Plug 3/4"	Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
	2	2				2	2					5600	TMMC 7755
	2	2	14-pole			2	2	14-pole				5700	TMMC 7755 Q
	2	1	7-pole			2	1	7-pole				5900	TMMC 775Y
	2	1				2	1		1			5100	TMMC 775W
Assembly screws and support plate are included in the delivery.													


Coupling Plate with Protective Cap (3/4" + 1/2" + 3/8")

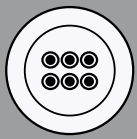
C-Line Standard

					Coupling 3/4"	Coupling 1/2"	Coupling 3/8"	Electrical Connec. (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
 Twin-arm Lever					2	1	1			Twin-arm	left	6600	TMFC 7753
					2	1	1	14-pole		Twin-arm	left	6900	TMFC 7753 Q
					2		1	7-pole		Twin-arm	left	7800	TMFC 77Y3
					2		1		1	Twin-arm	left	6400	TMFC 77W3
					2	1	1			Twin-arm	right	6600	TMFC 7753 R
					2	1	1	14-pole		Twin-arm	right	6900	TMFC 7753 QR
					2		1	7-pole		Twin-arm	right	7800	TMFC 77Y3 R
					2		1			Twin-arm	right	6400	TMFC 77W3 R
 Locking Lever, Locking Button left Side					2	1	1					6300	TMFC 7753 A
					2	1	1	14-pole		left	left	6600	TMFC 7753 QA
					2		1	7-pole		left	left	7400	TMFC 77Y3 A
					2		1		1	left	left	6100	TMFC 77W3 A
					2	1	1			right	right	6300	TMFC 7753 AAR
					2	1	1	14-pole		right	right	6600	TMFC 7753 QAAR
					2		1	7-pole		right	right	7400	TMFC 77Y3 AAR
					2		1		1	right	right	6100	TMFC 77W3 AAR
 Single Lever, fixed Locking Lever, Locking Button right Side					2	1	1			left	left	6400	TMFC 7753 B
					2	1	1	14-pole		left	left	6700	TMFC 7753 QB
					2		1	7-pole		left	left	7600	TMFC 77Y3 B
					2		1		1	left	left	6200	TMFC 77W3 B
					2	1	1			right	right	6400	TMFC 7753 BBR
					2	1	1	14-pole		right	right	6700	TMFC 7753 QBRR
					2		1	7-pole		right	right	7600	TMFC 77Y3 BBR
					2		1		1	right	right	6200	TMFC 77W3 BBR
Protective cap and assembly screws are included in the delivery.													

Plug Plate with Support Plate (3/4" + 1/2" + 3/8")

C-Line Standard







					Plug 3/4"	Plug 1/2"	Plug 3/8"	Electrical Connec. (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
 Plug Plate with Support Plate					2	1	1					5300	TMMC 7753
					2	1	1	14-pole				5400	TMMC 7753 Q
					2		1	7-pole				5700	TMMC 77Y3
					2		1		1			4800	TMMC 77W3
Assembly screws and support plate are included in the delivery.													



Multi-Line







C-Line Accessories

Support Plate for Plug Plate C-Line

	Suitable Plug Plates with Part Number	Version	Weight gr.	Part number
	TMMC 33Y	C-Line Compact	1,1	TMPC 555
	TMMC 33W			
	TMMC 55Y			
	TMMC 55W			
	TMMC 55	C-Line Compact	1,5	TMPC 77
	TMMC 77			
	TMMC 55Q	C-Line Compact	1,6	TMPC 77Q
	TMMC 77Q			
	TMMC 3333	C-Line Standard	1,1	TMPC 3333
	TMMC 3333 Q	C-Line Standard	1,2	TMPC 3333 Q
	TMMC 5533	C-Line Standard	1,5	TMPC 5533
	TMMC 5Y33			
	TMMC 5W33			

Support Plate for Plug Plate

C-Line

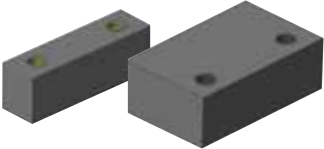


	Suitable Plug Plates with Part Number	Version	Weight gr.	Part number
	TMMC 5533 Q	C-Line Standard	1,6	TMPC 5533 Q
	TMMC 5555	C-Line Standard	1,5	TMPC 5555
	TMMC 555Y			
	TMMC 555W			
	TMMC 5555 Q	C-Line Standard	1,6	TMPC 5555 Q
	TMMC 7755	C-Line Standard	1,5	TMPC 7755
	TMMC 775Y			
	TMMC 775W			
	TMMC 7755 Q	C-Line Standard	1,6	TMPC 7755 Q
	TMMC 7753	C-Line Standard	1,5	TMPC 7753
	TMMC 77Y3			
	TMMC 77W3			
	TMMC 7753 Q	C-Line Standard	1,6	TMPC 7753 Q

Protective Caps/Lids **C-Line**

	Description	Weight gr.	Part number
	C-Line Compact	0,4	TMDC 1C
	C-Line Standard	0,6	TMDC 2
	C-Line Standard 4 x 3/8"	0,4	TMDC 1
	C-Line Standard 4 x 3/8" incl. 14-pole electrical plug	0,5	TMDC 1Q
	C-Line Standard incl. 14-pole electrical plug	0,7	TMDC 2Q
	C-Line Compact 2 x 3/4" or C-Line Compact 2 x 1/2"	0,5	TMDC 3
	C-Line Compact 2 x 3/4" or C-Line Compact 2 x 1/2" incl. 14-pole electrical plug	0,5	TMDC 3Q

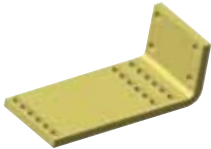
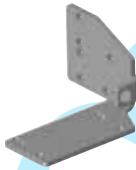
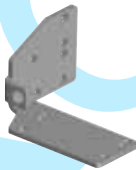
Welding Plate

C-Line



	Description	Weight gr.	Part Number
	Universal welding plate for coupling plate C-Line compact design incl. two welding brackets and assembly screws for the coupling plate.	200	TM-210K
	Universal welding plate for support plate C-Line Standard 4 x 3/8" incl. two welding brackets and assembly screws for the support plate.	300	TM-210K2
	Universal welding plate for support plate C-Line Compact design incl. two welding brackets and assembly screws for the support plate.	300	TM-214K
	Universal installation kit comprising two welding plates for C-Line 2 x 1/2" + 2 x 3/4" incl. associated screws for the C-Line Compact coupling plates.	300	TM-258K

Assembly Brackets



C-Line

	Description	Weight gr.	Part Number
	Universal assembly bracket to be screwed or welded, (excl. screws). Can be cut and adapted to fit various tool carriers. (Self installation).	700	TM-FMP2
	Assembly bracket to be screwed, for Volvo L60-L180 (excl. screws) (for left hand mounting as seen from drivers seat).	1600	TM-FMP3K
	Assembly bracket to be screwed, for Volvo L60-L180 (excl. screws) (for right hand mounting as seen from drivers seat).	1600	TM-FMP4K


Assembly Brackets **C-Line**

	Description	Weight gr.	Part Number
	Assembly bracket to be screwed, for Volvo L20-L45 (excl. screws).	700	TM-FMP5K
	Assembly bracket to be screwed, for C-Line compact, for Volvo L20-L45 (excl. screws).	1600	TM-FMP6K

Other Accessories **C-Line**





	Description	Weight gr.	Part Number
	Detachable handle - universal	200	TM-220-SP
	Detachable handle (4 x 3/8")	200	TM-242-SP
	Blank plug 3/8" for coupling plates on page 85, 90	30	MF3810P6-PLUGG
	Blank plug 3/8" for coupling plates on page 93	30	MF3810P7-PLUGG
	Blank plug 3/8" for plug plates	30	MF3821-PLUGG
	Blank plug 1/2" for coupling plates on page 85, 90, 91	40	MF5010P6-PLUGG
	Blank plug 1/2" for coupling plates on page 92, 93	50	MF5010P7-PLUGG
	Blank plug 1/2" for plug plates	40	MF5021-PLUGG
	Blank plug 3/4" for coupling plates on page 87, 92, 93	100	MF7510-PLUGG
	Blank plug 3/4" for plug plates	80	MF7521-PLUGG

Electrical Contact **C-Line**

	Description	Weight gr.	Part Number	
 <p>Plug</p> <p>Closure</p>	Electrical plug, short, 7-pole, incl. 5 m cable and installation kit for coupling plate.	1900	TMEM2-P6-SP	
	Electrical plug, long, 7-pole, incl. 5 m cable and installation kit for coupling plate.	1900	TMEM2-P7-SP	
	Electrical closure, 7-pole, incl. 3 m cable and installation kit for plug plate.	1200	TMEF2-SP	
	Electrical plug, short, 7-pole, without cable, incl. installation kit for coupling plate.	100	TMEM2-P6-00	
	Electrical plug, long, 7-pole, without cable, incl. installation kit for coupling plate.	200	TMEM2-P7-00	
	Electrical closure, 7-pole, without cable, incl. installation kit for plug plate.	100	TMEF2-00	



Electrical Contact

C-Line

	Description	Weight gr.	Part Number
	Electrical closure, 14-pole, without cable, incl. installation kit for coupling plate.	300	STA 1410
	Electrical plug, 14-pole, without cable, incl. installation kit for plug plate.	300	STA 1420
	Electrical protective cap with installation kit for plug plate.	100	STA 1415
	Electrical protective cap with installation kit for support plate.	100	STA 1425

Complete Electrical Set

C-Line

	Description	Weight gr.	Part Number
	Complete electrical set, 14-pole, for retrofitting TMFC 3333 and TMMC 3333, incl. protective cap TMDC 1Q	1300	STA 14-K1
	Complete electrical set, 14-pole, for retrofitting TMFC 5533, TMMC 5533 and TMFC 5555, TMMC 5555, incl. protective cap TMDC2Q.	1300	STA 14-K21
	Complete electrical set, 14-pole, for retrofitting TMFC 7755 and TMMC 7755, incl. protective cap TMDC2W7755.	1300	STA 14-K22
	Complete electrical set, 14-pole, for retrofitting TMFC 7753 and TMMC 7753, incl. protective cap TMDC2Q7753.	1300	STA 14-K23
	Complete electrical set, 14-pole, for retrofitting TMFC 55..., TMMC 55 and TMFC 77..., TMMC 77, incl. Protective cap TMDC 3Q.	1300	STA 14-K3


Electrical Cable for 14-pole Electrical Contact

C-Line

	Description	Weight gr.	Part Number
	Electrical cable for 14-pole electrical contact, 18 x 0,75 mm ² , PUR T MPU, running meter.	200	CAB18x075
	Electrical cable for 14-pole electrical contact, 18 x 1,5 mm ² , PUR T MPU, running meter.	400	CAB18x150





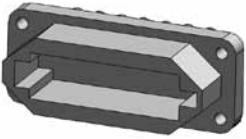
Spare Parts Male Coupling Plate

C-Line

	Description	Weight kg	Part Number
	Plug 3/8"	0,3	MF3821-SP
	Plug 1/2"	0,5	MF5021-SP
	Plug 3/4"	0,8	MF7521-SP
	Seal kit for MF3821 (3/8")	0,001	MF3800-PSPU
	Seal kit for MF5021 (1/2")	0,002	MF5000-PSPU
	Seal kit for MF7521 (3/4")	0,002	MF7500-PSPU
	Guiding pin with nut	0,08	TM-101-SP
	O-Ring outer C-Line Standard and Compact with 2 ports	0,005	TM-133-SP
	O-Ring outer C-Line Compact with 3 ports	0,005	TM-204-SP
	O-Ring outer C-Line Standard 4 x 3/8"	0,002	TM-230-SP
	Rubber loop for support plate. 2 rubber loops with washer and screw.	0,05	TM-158-SP
	Electrical plug, 14-pole	0,03	STA14F-SP

Spare Parts Female Coupling Plate

C-Line

	Description	Weight kg	Part Number
	Coupling 3/8"	0,2	MF3810-SP
	Coupling 1/2"	0,2	MF5010-SP
	Coupling 3/4"	0,6	MF7510-SP
	Coupling 3/8" long; all versions with 3/4"	0,2	MF3810 P7-SP
	Coupling 1/2" long; all versions with 3/4"	0,3	MF5010 P7-SP
	Locking Device	0,03	TM-219-SP
	Locking Button	0,03	TM-103-SP
	Electrical closure, 14-pole	0,04	STA14S-SP

KOVAR