



AIR TALDE

ISO-A

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Body Size

1/4" up to 1"

ISO A-Series

6600-Series

Medium Pressure

**Technical Description**

The series 6600 couplings 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

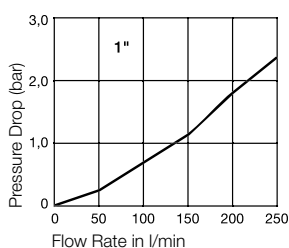
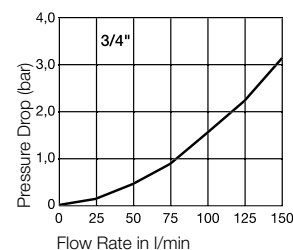
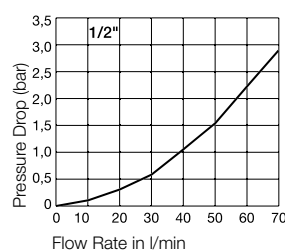
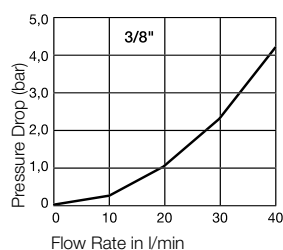
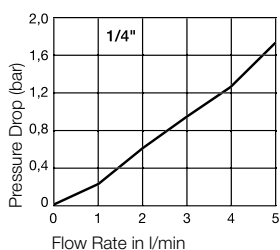
1/4"	350 bar
3/8"	280 bar
1/2"	280 bar
3/4"	280 bar
1"	280 bar

Working Temperature

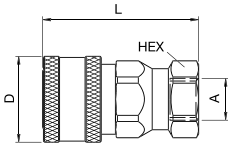
-40°C up to + 110°C (NBR) depending on the medium. Special seals are available on request (see page 6 ff).

Applications Area

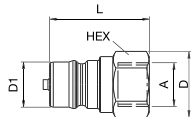
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Stainless Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Stainless Steel
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Stainless Steel
Seals	NBR
Valve Holder	Stainless Steel

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

Couplings**6600-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
 Female BSPP Thread	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**

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
 Female BSPP Thread	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"	universal	NBR	020112N0674	4118006
	3/8"	universal	NBR	JT020115N0674	4118005
	1/2"	universal	NBR	JT020211N0674	50-140-4
	3/4"	universal	NBR	020123N0674	4138001
	1"	universal	NBR	020126N0674	4148002



Body Size

3/8" and 1/2"

ISO A-Series

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

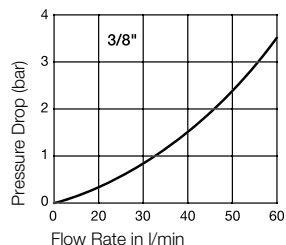
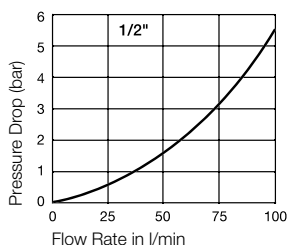
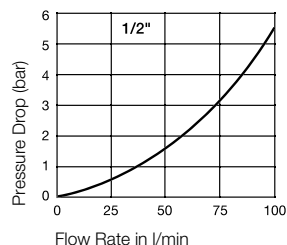
Poppet valve
3/8" 315 bar
1/2" 250 bar
Ball valving
1/2" 210 bar

Working Temperature

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

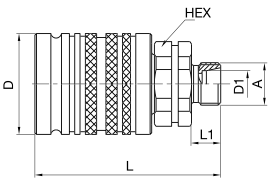
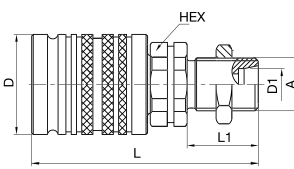
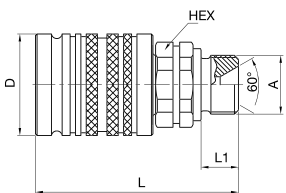
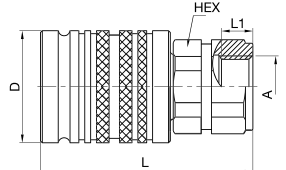
Applications Area

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**Poppet Valving****Ball Valving**

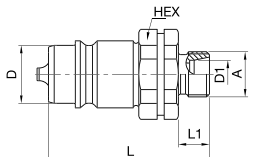
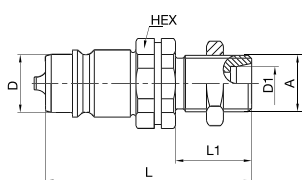
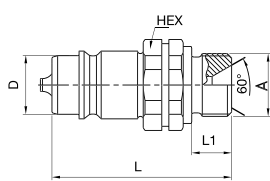
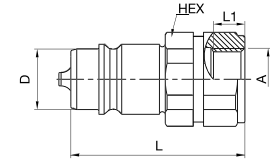
Couplings

2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure	Weight gr.	Version	Part Number
 Male thread 24° cone – DIN 2353	3/8"	M 14 x 1,5	8	22	65	10	31	315 bar	194	Light	4V53D6X2-B
	3/8"	M 16 x 1,5	10	22	66	11	31	315 bar	196	Light	4V53D6X3-B
	3/8"	M 18 x 1,5	10	22	67	11	31	315 bar	201	Heavy	4V53D7X3-B
	1/2"	M 14 x 1,5	8	30	69	10	38	250 bar	293	Light	4V54D6X2-B
	1/2"	M 16 x 1,5	10	30	70	11	38	250 bar	295	Light	4V54D6X3-B
	1/2"	M 18 x 1,5	12	30	70	11	38	250 bar	295	Light	4V54D6X4-B
	1/2"	M 22 x 1,5	15	30	71	12	38	250 bar	300	Light	4V54D6X5-B
	1/2"	M 26 x 1,5	18	30	71	12	38	250 bar	306	Light	4V54D6X6-B
	1/2"	M 18 x 1,5	10	30	71	12	38	250 bar	302	Heavy	4V54D7X3-B
	1/2"	M 24 x 1,5	16	30	73	14	38	250 bar	309	Heavy	4V54D7X6-B
 Male thread 24° cone – DIN 2353 Bulkhead	3/8"	M 16 x 1,5	10	22	81	26	31	315 bar	208	Light	4V53E6X3-B
	1/2"	M 14 x 1,5	8	30	85	26	38	250 bar	314	Light	4V54E6X2-B
	1/2"	M 16 x 1,5	10	30	85	26	38	250 bar	319	Light	4V54E6X3-B
	1/2"	M 18 x 1,5	12	30	85	26	38	250 bar	325	Light	4V54E6X4-B
	1/2"	M 22 x 1,5	15	30	86	27	38	250 bar	347	Light	4V54E6X5-B
	1/2"	M 26 x 1,5	18	30	86	34	38	250 bar	380	Light	4V54E6X6-B
	1/2"	M 18 x 1,5	10	30	86	27	38	250 bar	334	Heavy	4V54E7X3-B
	1/2"	M 20 x 1,5	12	30	86	27	38	250 bar	344	Heavy	4V54E7X4-B
	1/2"	M 24 x 1,5	16	30	88	29	38	250 bar	366	Heavy	4V54E7X6-B
 Male thread BSPP – DIN 3852 Form B	3/8"	3/8"		22	74	12	31	315 bar	195		4V53F4B3-B
	1/2"	3/8"		30	73	12	38	250 bar	327		4V54F4B3-B
	1/2"	1/2"		30	76	14	38	250 bar	311		4V54F4B4-B
 Female thread – DIN 3852 Form Y	3/8"	3/8"		22	67	12	31	315 bar	203		4V53G4X3-B
	1/2"	3/8"		30	72	12	38	250 bar	327		4V54G4X3-B
	1/2"	1/2"		27	70	12	38	250 bar	324		4V54G4X4-B
	1/2"	1/2"		27	70	12	38	280 bar	304	Ball Valve	4054G4X4-B
	1/2"	3/4"		36	77,5	16,5	38	250 bar	374		4V54G4X6-B
	1/2"	M 18 x 1,5		30	72	12,5	38	250 bar	322		4V54G8X5-B
	1/2"	M 22 x 1,5		30	72	14,5	38	250 bar	315		4V54G8X6-B
	1/2"	1/2" NPT		27	70	15	38	280 bar	308	Ball Valve	4054G0Z4-B

Plugs

2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure	Weight gr.	Version	Part Number
 Male thread 24° cone – DIN 2353	3/8"	M 14 x 1,5	8	22	47	10	17,3	315 bar	75	Light	4V13D6X2-B
	3/8"	M 16 x 1,5	10	22	48	11	17,3	315 bar	77	Light	4V13D6X3-B
	3/8"	M 18 x 1,5	10	22	49	11	17,3	315 bar	82	Heavy	4V13D7X3-B
	1/2"	M 14 x 1,5	8	30	56	10	20,5	250 bar	136	Light	4V14D6X2-B
	1/2"	M 16 x 1,5	10	30	57	11	20,5	250 bar	137	Light	4V14D6X3-B
	1/2"	M 18 x 1,5	12	30	57	11	20,5	250 bar	138	Light	4V14D6X4-B
	1/2"	M 22 x 1,5	15	30	58	12	20,5	250 bar	143	Light	4V14D6X5-B
	1/2"	M 26 x 1,5	18	30	58	12	20,5	250 bar	148	Light	4V14D6X6-B
	1/2"	M 18 x 1,5	10	30	58	12	20,5	250 bar	145	Heavy	4V14D7X3-B
	1/2"	M 24 x 1,5	16	30	60	14	20,5	250 bar	151	Heavy	4V14D7X6-B
 Male thread 24° cone – DIN 2353 Bulkhead	3/8"	M 16 x 1,5	10	22	63	26	17,3	315 bar	98	Light	4V13E6X3-B
	1/2"	M 14 x 1,5	8	30	72	26	20,5	250 bar	156	Light	4V14E6X2-B
	1/2"	M 16 x 1,5	10	30	72	26	20,5	250 bar	162	Light	4V14E6X3-B
	1/2"	M 18 x 1,5	12	30	72	26	20,5	250 bar	166	Light	4V14E6X4-B
	1/2"	M 22 x 1,5	15	30	73	27	20,5	250 bar	190	Light	4V14E6X5-B
	1/2"	M 26 x 1,5	18	30	73	34	20,5	250 bar	222	Light	4V14E6X6-B
	1/2"	M 18 x 1,5	10	30	73	27	20,5	250 bar	176	Heavy	4V14E7X3-B
	1/2"	M 20 x 1,5	12	30	73	27	20,5	250 bar	186	Heavy	4V14E7X4-B
	1/2"	M 24 x 1,5	16	30	75	29	20,5	250 bar	208	Heavy	4V14E7X6-B
 Male thread BSPP – DIN 3852 Form B	3/8"	3/8"		22	56	12	17,3	315 bar	75		4V13F4B3-B
	1/2"	3/8"		30	60	12	20,5	250 bar	146		4V14F4B3-B
	1/2"	1/2"		30	63	14	20,5	250 bar	154		4V14F4B4-B
 Female thread – DIN 3852 Form Y	3/8"	3/8"		22	49	12	17,3	315 bar	84		4V13G4X3-B
	1/2"	3/8"		30	59	12	20,5	250 bar	168		4V14G4X3-B
	1/2"	1/2"		27	48	12	20,5	250 bar	164		4V14G4X4-B
	1/2"	1/2"		27	48	12	20,5	280 bar	101	Ball Valve	4014G4X4-B
	1/2"	3/4"		36	64,5	16,5	20,5	250 bar	217		4V14G4X6-B
	1/2"	M 18 x 1,5		30	59	12,5	20,5	250 bar	165		4V14G8X5-B
	1/2"	M 22 x 1,5		30	59	14,5	20,5	250 bar	157		4V14G8X6-B
	1/2"	1/2" NPT		27	48	15	20,5	280 bar	104	Ball Valve	4014G0Z4-B

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"	universal	NBR	PTFE	4V53-KIT
	1/2"	universal	NBR	PTFE	4V54-KIT1
	1/2"	for 4V54G4X4 and 4054G4X4	NBR	PTFE	4V53-KIT2

⚠ Please consider our security advices on the pages 12/13 ⚠



Body Size
1/2"

ISO A-Series

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

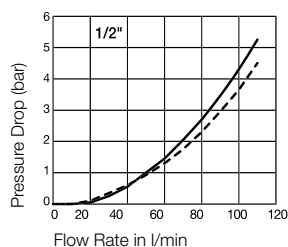
-30°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6 ff).

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



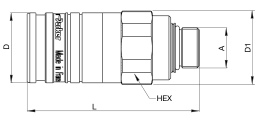
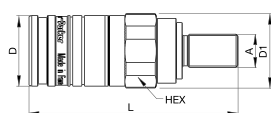
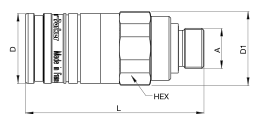
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



— Male to Female
- - - Female to Male

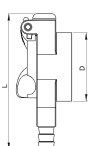
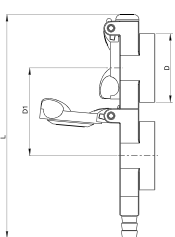
Couplings

RSD-Series

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

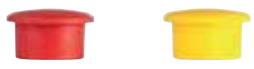
Dust Protection

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 Series

5500-Series



Applications Area



Bursting Pressure

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

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.
The unique design with brass female and rated work pressure of 250 bar.
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 ff).

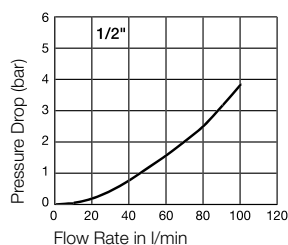
Available Valves



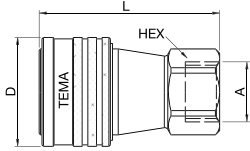
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Brass
Sleeve	Brass, nickel plated
Valve	Brass hardened
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting
Valve Holder (over 100°C)	Brass

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

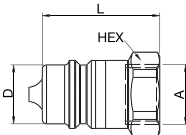
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



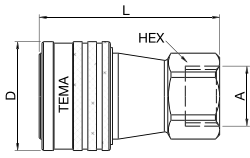
Couplings**5500-Series**

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

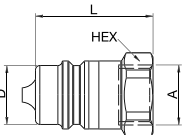
Plugs**5500-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	Working Pressure connected in bar	Seal	Part Number
 Female Thread	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
 Female Thread	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
 Female Thread	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



AIR TALDE

ACCESORIOS

Polígono Industrial Eitua, nº 52, Pab. 5-A . 48240 BERRIZ (BIZKAIA)
Tel.: 94 623 60 10 / Fax: 94 623 60 11 E-mail: airtalde@airtalde.es www.airtalde.es

Swivel Joints

DG-Series



Technical Description

Can be used in hydraulic systems where rotating connections are essential, for example on accessories with rotating movements. Depending on design, the body is made of brass (DG) or steel (KR) and the rotating axis of surface-purified/stainless steel. Maximum rotation speed: 60 r.p.m.

Advantages

Rotating joints minimise the high wear to the hose, which occurs in hydraulic systems. Solid construction with two plain bearings (DG) or ball/roller bearings (KR). Suitable for combining with norm hydraulic components.

Working Temperature

-40°C up to +90°C (NBR) depending on the medium. Special seals are available on request (see page 6 ff).

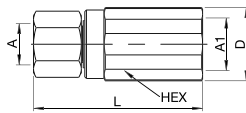
Material	Type DG	Type KR
Body	Brass	Steel, zinc plated, passivated, sealed
Counterpart		Steel, zinc plated, passivated, sealed
Swivel Axis	Steel, nitrated or Stainless Steel	Steel hardened, zinc plated, passiv., sealed
Nut/Adapter	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed
Seals	NBR	NBR

Applications Area



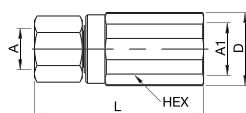
Type DG 250 DN 6 = 28 mm

DG-Series

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Female Thread	G 1/4	G 3/8	22	53	23	6	NBR	1	250	250
	G 1/4	G 3/8	22	53	23	6	NBR	1	250	250 RF *

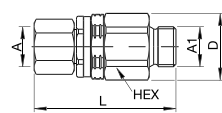
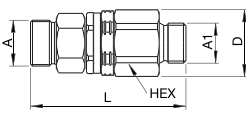
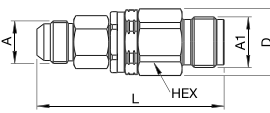
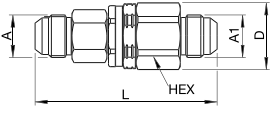
Type DG 500 DN 11 = 95 mm

DG-Series

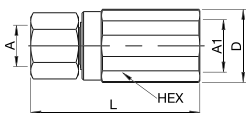
	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Female Thread	G 1/2	G 3/4	32	71	35	11	NBR	1	250	500
	G 1/2	G 3/4	32	71	35	11	NBR	1	250	500 RF *

* Swivelling axis made of stainless steel

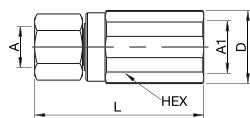
Type DG 500 DN 11 = 95 mm**DG-Series**

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Male / Female Thread	G 1/2	G 1/2	32	73	35	11	NBR	1A	250	500 B
 Male Thread	M 18 x 1,5	G 1/2	32	73	35	11	NBR	2	250	500 W
	M 22 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W5
	M 24 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W6
 Male Thread	7/8"-14 UNF	G 3/4	32	95	35	11	NBR	3	250	500-30
	7/8"-14 UNF	G 1/2	32	87	35	11	NBR	3	250	500-32 *
 Male Thread	7/8"-14 UNF	7/8"-14 UNF	32	92	35	11	NBR	3A	250	500-31
	11/16"-12 UNF	11/16"-12 UNF	32	101	35	11	NBR	3A	250	500-33

Type DG 750 DN 17 = 225 mm**DG-Series**

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Female Thread	G 3/4	G 1	40	80	35	17	NBR	1	250	750-QC
	G 3/4	G 1	40	80	35	17	NBR	1	250	750 RF *

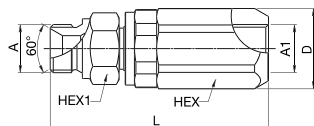
* Swivelling axis made of stainless steel

Type DG 1000 DN 22 = 380 mm**DG-Series**

Female Thread

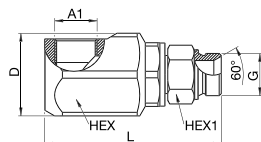
Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1	G 1 1/4	50	94	43	22	NBR	1	200	1000-QC
G 1	G 1 1/4	50	94	43	22	NBR	1	200	1000 RF *

* Swivelling axis made of stainless steel

Type KR DN 6 = 28 mm up to DN 22 = 380 mm**KR-Series**

Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	27	19	88	29	6	NBR	350	2KR AW13 IW13
G 3/8	G 3/8	30	22	87	33	9	NBR	350	3KR AW17 IW17
G 1/2	G 1/2	32	27	95	35	11	NBR	350	5KR AW21 IW21
G 3/4	G 3/4	45	32	109	50	17	NBR	350	7KR AW26 IW26
G 1	G 1	50	40	117	55	22	NBR	250	10KR AW33 IW33

Type KR 90° DN 6 = 28 mm up to DN 22 = 380 mm**KR-Series**

Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	32	19	93	35	6	NBR	350	2KRAW13IW1390
G 3/8	G 3/8	38	22	95	41	9	NBR	350	3KRAW17IW1790
G 1/2	G 1/2	41	27	108	45	11	NBR	350	5KRAW21IW2190
G 3/4	G 3/4	55	32	125	60	17	NBR	350	7KRAW26IW2690
G 1	G 1	65	40	139	72	22	NBR	250	10KRAW33IW3390

All KR swivel joints are only suitable for oil.

Accessories

Pressure Relief Valve

**Technical Description**

Produced for hydraulic systems where in line quick connect couplings are used. The system pressure built up between the hydraulic unit and the coupling would not allow mechanical coupling.

Advantages

The Pressure Relief Valve can be mounted directly in the main inflow line so that all downstream pipe or hose lines where quick connect couplings or plugs are installed at the ends can be depressurised.

Working Pressure

max. 250 bar

Working Temperature

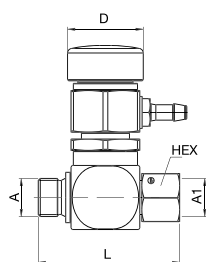
up to max. +90°C depending on the medium. Special seals are available on request (see page 6 ff).

Material	Standard
T-Connection	Steel, zinc plated, passivated, sealed
Pressure Relief Valve	Brass
Seal	NBR

Applications Area

Pressure Relief Valve

Accessories

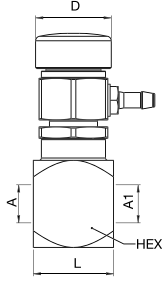
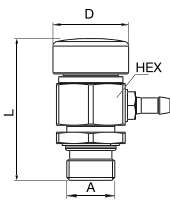


Female / Male Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal Type	Max. Working Pressure in bar	Part Number
G 3/8	G 3/8	21	62	33	10	NBR	250	TA38
G 1/2	G 1/2	25	70	33	13	NBR	250	TA50
G 3/4	G 3/4	32	73	33	20	NBR	250	TA75
G 1	G 1	38	77	33	25	NBR	250	TA100

Pressure Relief Valve

Accessories

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal Type	Max. Working Pressure in bar	Part Number
 Female Thread	G 3/8	G 3/8	28	60	33	10	NBR	250	TA38 IW
	G 1/2	G 1/2	28	60	33	13	NBR	250	TA50 IW
 Pressure Relief Valve complete	G 1/2		30	62	33	6	NBR	250	515
	G 1/2		30	62	33	6	NBR/FKM	250	515 RV ¹

¹ Swivelling axis made of stainless steel

Accessories

DT-Series

Body Size

3/8" and 1 1/4"

**Technical Description**

One-piece steel body: eliminates threads and seals that may be potential failure or leakage points. Large range of end configurations. Zinc chromate exterior finish.

Advantages

No internal gaskets or seals to wear out. Check valve body is shaped like an arrow to indicate flow direction.

Heat treated poppet valve to resist damage from shocks and surges.

One piece body eliminates threads and seals that may be potential leakage points.

Compact design. Easy to plumb into tight circuits.

Smooth flow stream: Poppet spring is isolated from flow stream minimizing turbulence.

Working Pressure

max. 350 bar

Working Temperature

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

Material	Standard
Body	Steel
Valve	Steel
Spring	Steel
Seal	NBR
Retainer	Steel

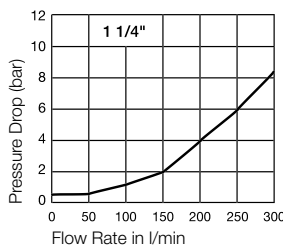
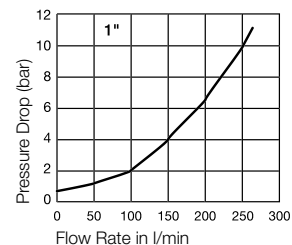
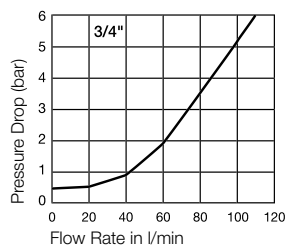
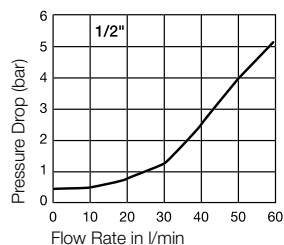
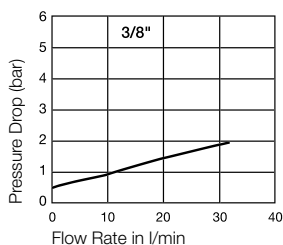
Standard Crack Pressure:

0,35 bar

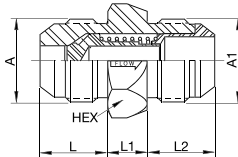
Other Crack Pressure:

Up to 14 bar in 0,35 bar increments are available on request. Please consult your Parker sales engineer.

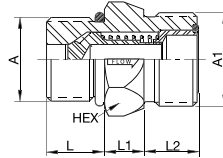
For other threads, other sizes or other end configurations, please contact your Parker sales engineer.

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

DT-MFMF: Male JIC 37° Flare Inlet to Male JIC 37° Flare Outlet Accessories

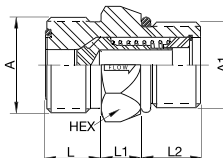
	Body Size	Connection A SAE J514 Triple-Lok	Connection A1 SAE J514 Triple-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
	3/8"	9/16"-18 UNF	9/16"-18 UNF	3/4"	14,2	11,2	14,2	DT-370-MFMF-5
	1/2"	3/4"-16 UNF	3/4"-16 UNF	7/8"	16,8	12,7	16,8	DT-500-MFMF-5
	3/4"	1 1/16"-12 UN	1 1/16"-12 UNF	1 1/4"	21,8	12,7	21,8	DT-750-MFMF-5
	1"	1 5/16"-12 UN	1 5/16"-12 UNF	1 1/2"	23,1	15,8	23,1	DT-1000-MFMF-5
	1 1/4"	1 5/8"-12 UN	1 5/8"-12 UNF	1 7/8"	24,4	26,9	24,4	DT-1250-MFMF-5

DT-MOMS: Male ORB Inlet to Male O-Lok Outlet Accessories

	Body Size	Con. A – ISO 11926 – 2/3 Male O-Ring Boss	Connection A1 SAE J1453 O-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
	1/4"	7/16"-20 UNF	9/16"-18 UNF	5/8"	10,9	11,4	9,9	DT-370-MOMS-5
	3/8"	9/16"-18 UNF	11/16"-16 UNF	3/4"	11,9	11,2	11,2	DT-370-MOMS-5
	1/2"	3/4"-16 UNF	13/16"-16 UNF	7/8"	14,0	12,7	12,7	DT-500-MOMS-5
	3/4"	1 1/16"-12 UNF	1 3/16"-12 UNF	1 1/4"	18,5	12,7	17,0	DT-750-MOMS-5
	1"	1 5/16"-12 UNF	1 7/16"-12 UNF	1 1/2"	18,5	15,8	17,5	DT-1000-MOMS-5
	1 1/4"	1 5/8"-12 UNF	1 11/16"-12 UNF	1 7/8"	18,5	26,9	17,5	DT-1250-MOMS-5

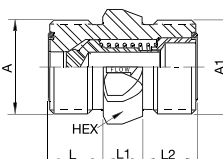
NBR O-Ring included on MO and MS fittings.

DT-MSMO: Male O-Lok Inlet to Male ORB Outlet Accessories

	Body Size	Connection A SAE J1453 O-Lok	Con. A1 – ISO 11926 – 2/3 Male O-Ring Boss	Hex	L mm	L1 mm	L2 mm	Part Number
	3/8"	11/16"-16 UNF	9/16"-18 UNF	3/4"	11,9	11,2	11,2	DT-370-MOMS-5
	1/2"	13/16"-16 UNF	3/4"-16 UNF	7/8"	14,0	12,7	12,7	DT-500-MOMS-5
	3/4"	1 3/16"-12 UNF	1 1/16"-12 UNF	1 1/4"	18,5	12,7	17,0	DT-750-MOMS-5
	1"	1 7/16"-12 UNF	1 5/16"-12 UNF	1 1/2"	18,5	15,8	17,5	DT-1000-MOMS-5
	1 1/4"	1 11/16"-12 UNF	1 5/8"-12 UNF	1 7/8"	18,5	26,9	17,5	DT-1250-MOMS-5

NBR O-Ring included on MO and MS fittings.

DT-MSMS: Male O-Lok Inlet to Male O-Lok Outlet Accessories

	Body Size	Connection A SAE J1453 O-Lok	Connection A1 SAE J1453 O-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
	3/8"	11/16"-16 UNF	11/16"-16 UNF	3/4"	11,2	11,2	11,2	DT-370-MSMS-5
	1/2"	13/16"-16 UNF	13/16"-16 UNF	7/8"	12,7	12,7	12,7	DT-500-MSMS-5
	3/4"	1 3/16"-12 UNF	1 3/16"-12 UNF	1 1/4"	17,0	12,7	17,0	DT-750-MSMS-5
	1"	1 7/16"-12 UNF	1 7/16"-12 UNF	1 1/2"	17,5	15,8	17,5	DT-1000-MSMS-5
	1 1/4"	1 11/16"-12 UNF	1 11/16"-12 UNF	1 7/8"	17,5	26,9	17,5	DT-1250-MSMS-5

NBR O-Ring included on MO and MS fittings.

Accessories

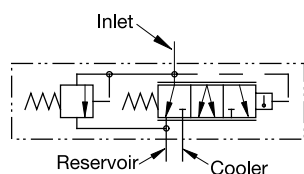
Thermal Valves

Body Size

1"



Technical Performance Data



Technical Description

Temperature responsive by-pass valve to modulate return line oil between tank and oil cooler. Available in 5 shift temperatures, 38°C to 82°C (100°F to 180°F). Integral relief valve to dump excessive inlet pressures to the reservoir. Relief pressure settings available from 0,34 to 6,0 bar (5 to 85 psi). 17 bar (250 psi) maximum operating pressure. Up to 227 l/m flow rates.

Advantages

Modulates fluid temperature by either shifting return line flow through the cooler, or by passing directly to the reservoir. Compact construction. 2 mounting hole Ø10,6mm. Aluminium die-cast housing. 3 threaded ports for easy tubing. A built-in pressure relief function automatically relieves excess pressure to the reservoir, should the cooler become restricted and resultant pressure drop become too high for the cooler circuit.

Applications

Ideally suited for hydrostatic drive circuits which require fast warm-up, controlled fluid temperatures and low return line-back pressure.

Working Pressure

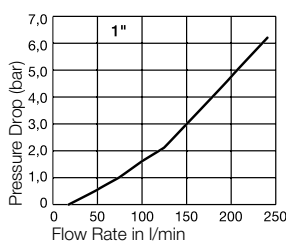
max. 17 bar

Working Temperature

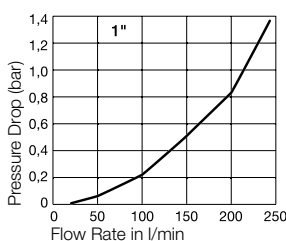
-30°C up to +110°C

Material	Standard
Body	Aluminium
Valve	Different Materials
Spring	Steel
Seal	NBR, FKM

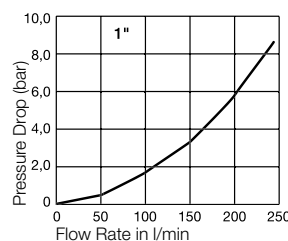
Inlet port through Tank port® 38°C
Test with oil viscosity 64 cst



Inlet port through Cooler port® 63°C
Test with oil viscosity 23 cst



Inlet port over Integral relief valve® 77°C
Test with oil viscosity 16 cst



Note: Pressure drop shown is added to relief valve crack pressure for total pressure drop.

Thermal Valves

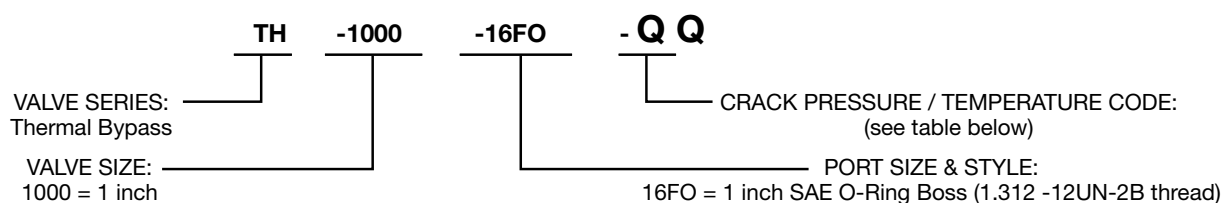
Accessories

	Body Size	Connection A	L mm	L1 mm	D mm	Weight gr.	Part Number
	1"	1 5/16-12 UN	138,2	89,2	66,5	907,0	TH-1000-16FO-*

* = QQ. Please find the Dash Code for your application in the table on the next page.

Final Dash No. Code

STRUCTURE OF THERMAL VALVES ORDERING



Crack pressure	Shift 38°C	Shift 49°C	Shift 60°C	Shift 71°C	Shift 82°C
0,35 bar	-01	-21	-41	-61	-81
0,70 bar	-02	-22	-42	-62	-82
1,05 bar	-03	-23	-43	-63	-83
1,40 bar	-04	-24	-44	-64	-84
1,70 bar	-05	-25	-45	-65	-85
2,10 bar	-06	-26	-46	-66	-86
2,40 bar	-07	-27	-47	-67	-87
2,75 bar	-08	-28	-48	-68	-88
3,10 bar	-09	-29	-49	-69	-89
3,45 bar	-10	-30	-50	-70	-90
3,80 bar	-11	-31	-51	-71	-91
4,15 bar	-12	-32	-52	-72	-92
4,50 bar	-13	-33	-53	-73	-93
4,85 bar	-14	-34	-54	-74	-94
5,20 bar	-15	-35	-55	-75	-95
5,50 bar	-16	-36	-56	-76	-96
5,85 bar	-17	-37	-57	-77	-97

Note: For 2" thermal bypass valve or other thread options, please contact your Parker sales engineer.



AIR TALDE

ISO-B

Polígono Industrial Eitua, nº 52, Pab. 5-A . 48240 BERRIZ (BIZKAIA)
Tel.: 94 623 60 10 / Fax: 94 623 60 11 E-mail: airtalde@airtalde.es www.airtalde.es



Body Size

1/8" up to 2 1/2"

ISO B-Series

60 Series**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 ff).

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.

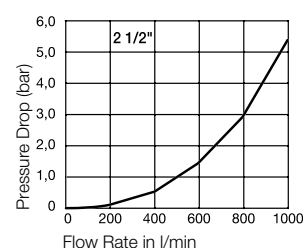
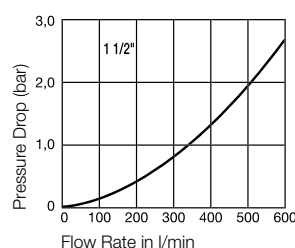
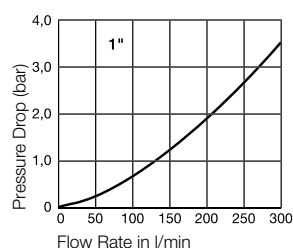
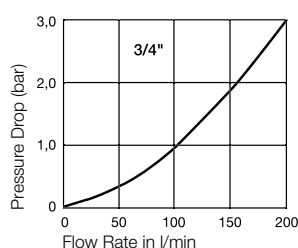
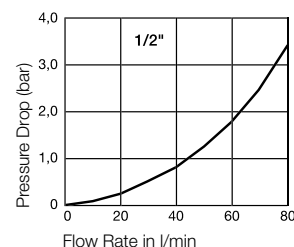
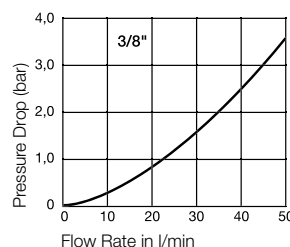
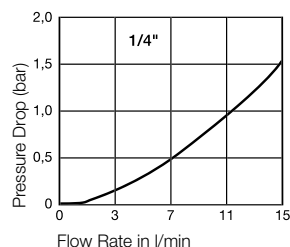
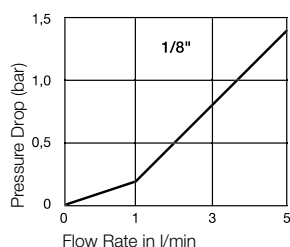
To specify a heavy duty nipple, add the prefix **HD** to the steel series part number, thus:
HDH2-63.

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

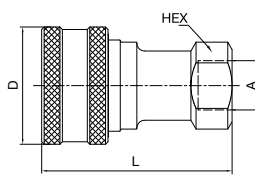
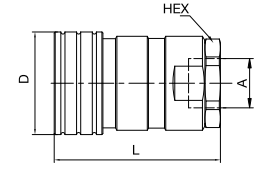
Material Coupling	Brass	Steel	AISI 303	AISI 316
Coupling Body	Brass	Steel	AISI 303	AISI 316
Sleeve	Brass	Steel	AISI 303	AISI 316
Back-up Ring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Valve	Brass	Steel	AISI 303	AISI 316
Springs	Stainless Steel	Stainless Steel	Stainless Steel	Stainless 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

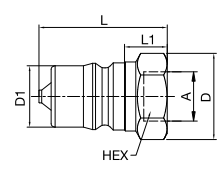
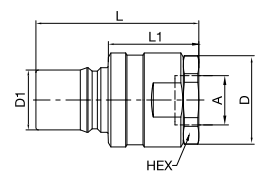
Couplings

60 Series Brass

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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
 Female Thread	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

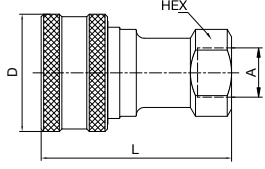
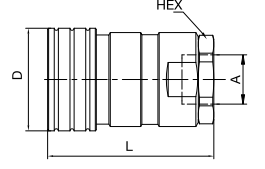
Plugs

60 Series Brass

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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
 Female Thread	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

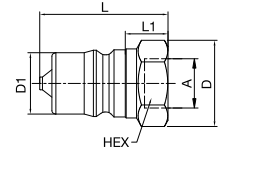
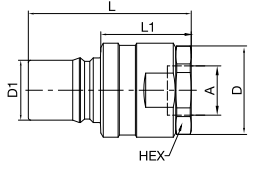
Couplings

60 Series Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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
 Female Thread	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

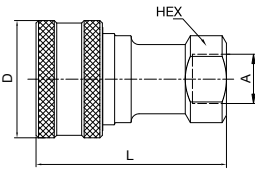
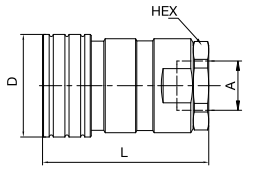
Plugs

60 Series Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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
 Female Thread	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

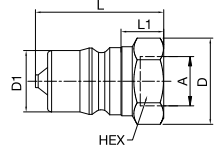
Couplings

60 Series Stainless Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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	46	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*
 Female Thread	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

Plugs

60 Series Stainless Steel

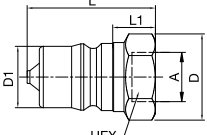
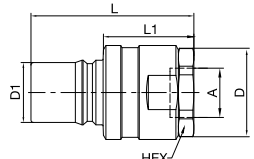
	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	1/8"	1/8"	BSPP	9/16"	32,0	10,5	16,4	10,8	AISI 303	18	SH1-63-BSPP
	1/8"	1/8"	BSPP	17 mm	32,0	10,5	19,6	10,8	AISI 316	22	SSH1-63Y-BSPP*
	1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	AISI 303	18	SH1-63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

*Suffix Y designates FKM seal.

⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs

60 Series Stainless Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
 Female Thread	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*
 Female Thread	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

* 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

Stainless steel AISI 316 dust protections are available upon request.

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 necessary² 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-Series

Tema IB-Series**Technical Description**

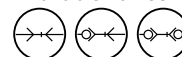
The Tema IB series plug profiles conform to ISO Standard 7241-1 series B and are compatible with other series complying with the same standard. To optimize performance and corrosion resistance the female is made from brass and the male hardened steel.

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.

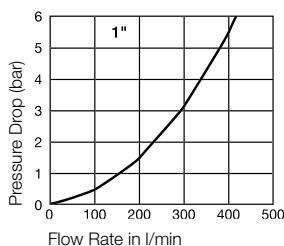
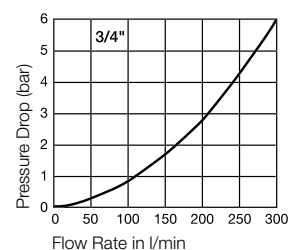
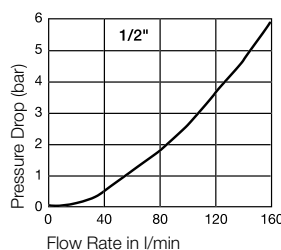
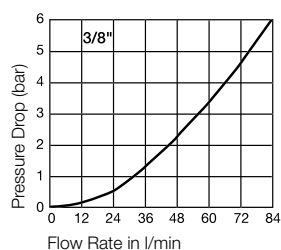
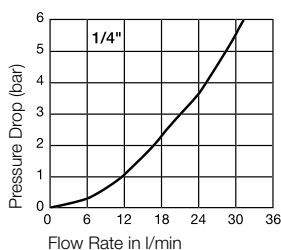
Working Temperature

-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 ff).

Available Valves**Working Pressure**

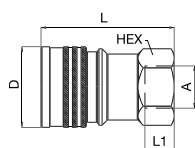
See charts.

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 & 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

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

Couplings

IB-Series

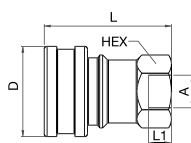


Female Thread

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

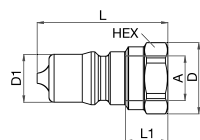


Female Thread

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

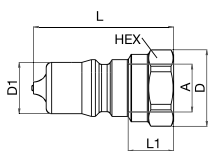


Female Thread

Body Size	Connec- tion 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 Pressure Eliminator

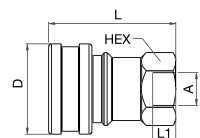


Female Thread

Body Size	Connec- tion 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 Pressure Eliminator

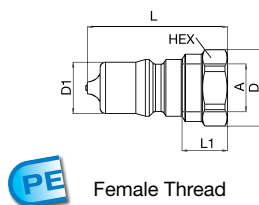


Female Thread

Body Size	Connec- tion 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 Pressure Eliminator



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.

⚠ Please consider our security advices on the pages 12/13 ⚠



AIR TALDE

ISO-F

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Body Size

1/8" up to 1"

ISO Standard 16028

FEM- / IF-Series



Applications Area



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 spill 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 FECF with push-pull features is suitable for multi-plates or when coupling is fixed on an application.

Working Pressure

See charts.

Working Temperature

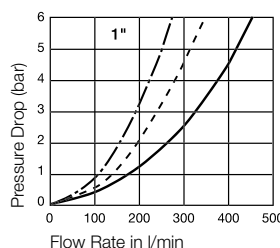
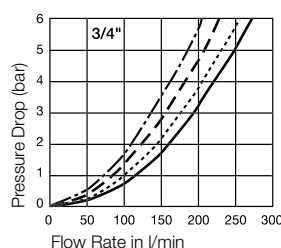
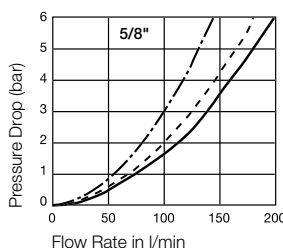
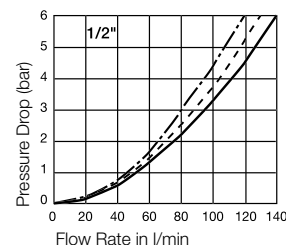
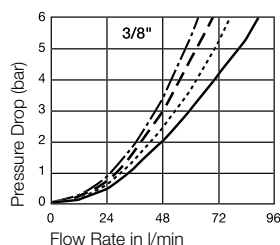
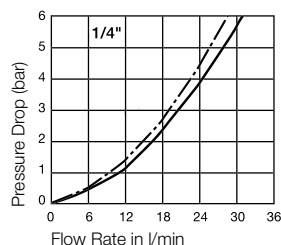
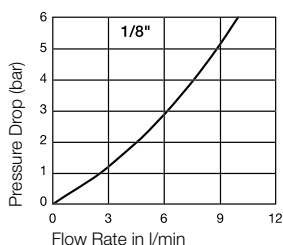
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6 ff).

Available Valves



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
Plug Connection Face	Steel hardened, zinc plated, passiv., sealed	Steel hardened, zinc plated, passiv., sealed	AISI 316
Valve	Brass	Steel hardened, zinc plated, passiv., sealed	AISI 316
2nd Valve		Brass	
Springs	AISI 301	AISI 301	AISI 301
Seals	NBR/FKM	PUR	FKM
Valve Holder	Zinc Casting	Brass	AISI 316
2nd Valve Holder (up to 100°C)		Zinc Casting (NBR)	
2nd Valve Holder (over 100°C)		Brass (EPDM/FKM)	AISI 316

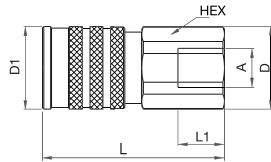
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



— 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 Standard

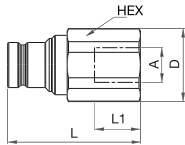


Female Thread

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
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
3/8"	G 1/2	30	73	14	32	32	250	Standard	FKM	FEM-371-8FB-E4
3/8"	7/8"-14 UNF	30	76	14	32	32	250	Standard	NBR	FEM-371-10FO
3/8"	M 18 x 1,5	30	90	11	32	32	250	Standard	NBR	FEM-371-18MCL
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
1/2"	1 1/16"-12 UNF	36	84	19	40	39	250	Standard	NBR	FEM-501-12FO
1/2"	M 18 x 1,5	36	94	11	40	39	250	Standard	NBR	FEM-501-18MCL
5/8"	G 3/4	40	82	16	43	42	250	Standard	NBR	FEM-621-12FB
3/4"	G 1	46	102	18	50	46	250	Standard	NBR	FEM-751-16FB
1"	G 1 1/4	55	106	19	60	55	200	Standard	NBR	FEM-1001-20FB

Plugs

FEM-Series Standard



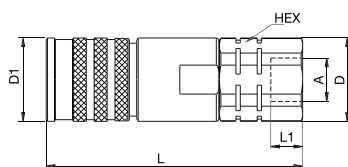
Female Thread

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
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
3/8"	G 1/2	30	60	12	32		250	Standard	FKM	FEM-372-8FB-E4
3/8"	7/8"-14 UNF	30	63	12	32		250	Standard	NBR	FEM-372-10FO
3/8"	M 18 x 1,5	30	90	11	32		250	Standard	NBR	FEM-372-18MCL
3/8"	M 22 x 1,5	30	91	12	32		250	Standard	NBR	FEM-372-22MCL
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
1/2"	1 1/16"-12 UNF	36	74	19	40		250	Standard	NBR	FEM-502-12FO
1/2"	M 18 x 1,5	36	80	11	40		250	Standard	NBR	FEM-502-18MCL
5/8"	G 3/4	36	71	16	40		250	Standard	NBR	FEM-622-12FB
3/4"	G 1	46	83	18	50		250	Standard	NBR	FEM-752-16FB
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

IF-Series Pressure Eliminator

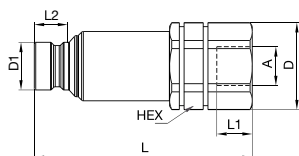


Female Thread

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	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

IF-Series Pressure Eliminator



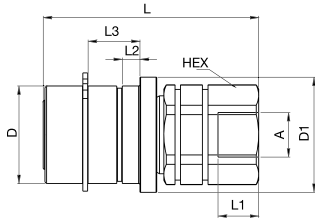
Female Thread

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	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

IF-Series for Multiplate

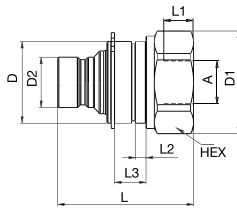


Female Thread
Provided with Circlip acc. DIN 471

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

IF-Series for Multiplate

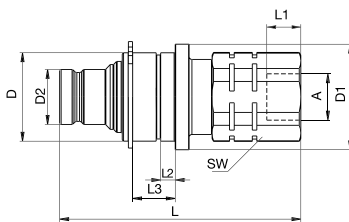


Female Thread
Provided with Circlip acc. DIN 471

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

IF-Series Pressure Eliminator for Multiplate



Female Thread
Provided with Circlip acc. DIN 471

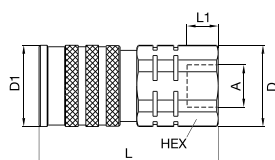


Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	PUR	FECP-252-4FB
1/4"	G 3/8	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	PUR	FECP-252-6FB
3/8"	G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

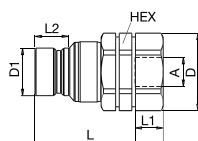


Female Thread

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

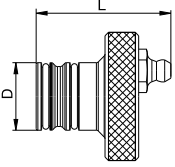
IF-Series Stainless Steel



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	93	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**IF-Series**

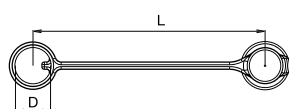
	Body Size	Version	L mm	D mm	Part Number
	3/8"	for coupling	39	20	GRIF38
	1/2"	for coupling	42	25	GRIF50
	5/8"	for coupling	43	27	GRIF63
	3/4"	for coupling	48	30	GRIF75
	1"	for coupling	54	36	GRIF100

Seal-Kit**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

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
3/8"	Standard	IF3810	FEM-371-6FB	37
3/8"	Standard	IF3810-50	FEM-371-8FB	37
3/8"	Standard	IF3810-50V	FEM-371-8FB-E4	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	IF7510-100	FEM-751-16FB	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
3/8"	Standard	IF3820	FEM-372-6FB	37
3/8"	Standard	IF3820-50	FEM-372-8FB	37
3/8"	Standard	IF3820-50V	FEM-372-8FB-E4	37
1/2"	Standard	IF5020	FEM-502-8FB	37
1/2"	Standard	IF5020-50	FEM-502-12FB	37
5/8"	Standard	IF6320	FEM-622-12FB	37
3/4"	Standard	IF7520-100	FEM-752-16FB	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	IF2521-38E	FEC-252-6FB	39
3/8"	Press. El. for Multiplate	IF3821 E	FEC-372-6FB	39
3/8"	Press. El. for Multiplate	IF3821-50E	FEC-372-8FB	39
1/2"	Press. El. for Multiplate	IF5021 E	FEC-502-8FB	39
1/2"	Press. El. for Multiplate	IF5021-75E	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	IF7521-100E	FEC-752-16FB	39
1"	Press. El. for Multiplate	IF10021 E	FEC-1002-16FB	39
1"	Press. El. for Multiplate	IF10021-125E	FEC-1002-20FB	39



AIR TALDE

PERFIL TEMA

Polígono Industrial Eitua, nº 52, Pab. 5-A . 48240 BERRIZ (BIZKAIA)
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Body Size

1/4" 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

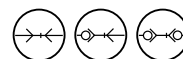
High operating pressure.
Compact dimension.
Due to the Pressure Eliminator version for coupling and plug the connection is possible up to the operating pressure.
Double safety through a double O-ring seal.
A safety closing ring prevents unintentional uncoupling.

Working Pressure

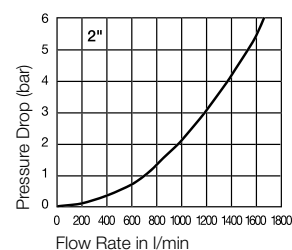
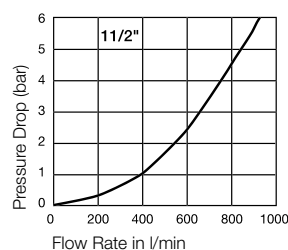
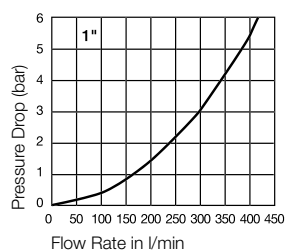
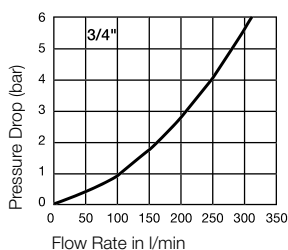
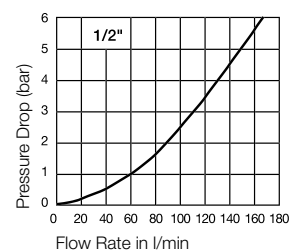
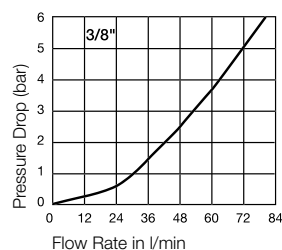
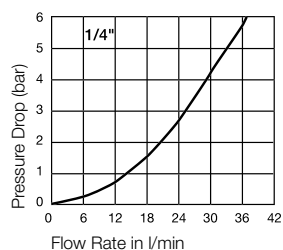
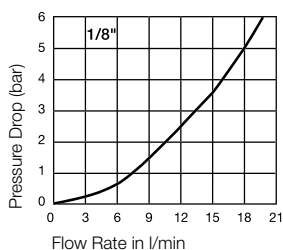
See charts.

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 ff).

Available Valves**Applications Area**

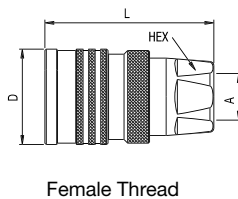
Material Coupling	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Coupling Body	Brass, nickel plated chromated	AISI 316	Brass, chromated
Sleeve	Steel hardened, zinc plated, passiv., sealed	AISI 316	Brass, chromated
Locking Ring	Brass, zinc-iron coated, black passiv., 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

Couplings

T-Series Standard

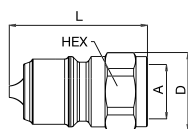
Body Size	Connec- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Standard	NBR	2310-QC
1/8"	G 1/8	15	38	18	with	200	Standard	FKM	2310 V
1/8"	G 1/8	15	38	18	without	200	Standard	NBR	2310 UV
1/8"	G 1/8	15	38	18	without	200	Standard	FKM	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



Plugs

T-Series Standard

	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-QC
	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 MUV
	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

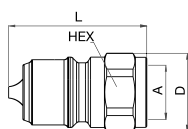


Female Thread

Super Nipple

T-Series Standard

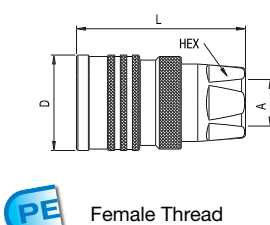
	Body Size	Connec- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
	3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S



Female Thread

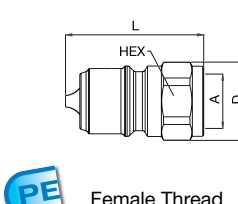
Couplings

T-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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

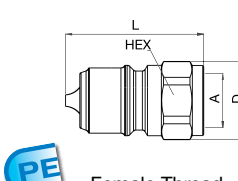
Plugs

T-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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

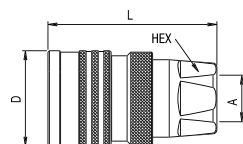
Super Nipple

T-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	3/4"	G 3/4	36	52	39	with	300	Press. Eliminator	NBR	7521 S

Couplings

T-Series Stainless Steel

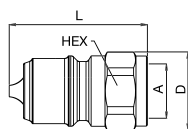


Female Thread

Body Size	Connec- tion 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

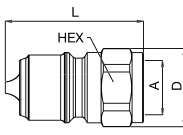


Female Thread

Body Size	Connec- tion 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

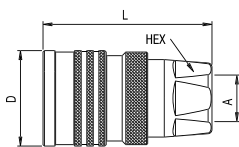
Plugs

T-Series Stainless Steel

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
 Female Thread	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

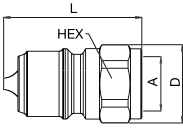
Couplings

T-Series Stainless Steel Pressure Eliminator

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
 Female Thread	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

Plugs

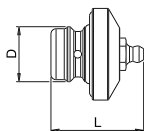
T-Series Stainless Steel Pressure Eliminator

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar ⁴	Version	Seal	Part Number
 Female Thread	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

¹ Valve made of brass² Material: AISI 420 hardened³ Suitable for high pressure water, AISI 303⁴ 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.

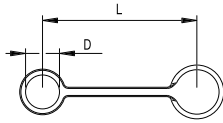
Seal-Kit

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.

Dust Protection



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.



Body Size

1/2" 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.

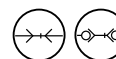
Working Pressure

See charts.

Working Temperature

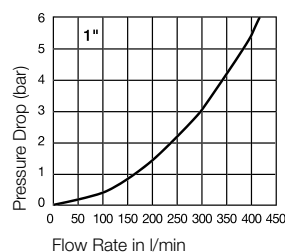
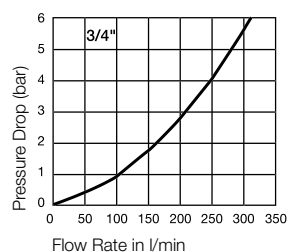
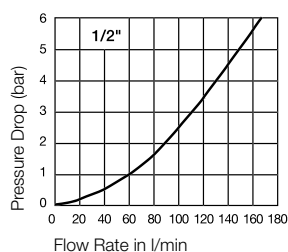
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6 ff).

Available Valves

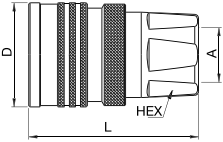


Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Brass
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder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

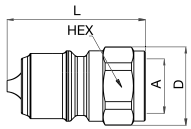
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



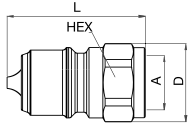
Couplings**H-Series Standard**

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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 Standard**

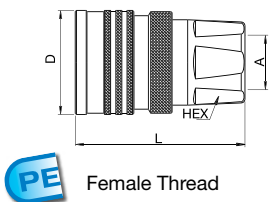
	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
	1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
	3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
	3/4"	G 3/4	36	52	39	with	300	Standard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

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

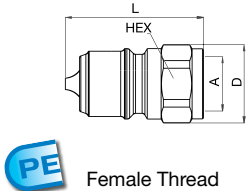
Couplings

H-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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

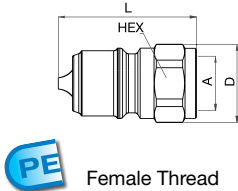
Plugs

H-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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	52	39	with	300	Press. Eliminator	NBR	7521-QC
	3/4"	G 3/4	36	52	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 Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	3/4"	G 3/4	36	52	39	with	300	Press. Eliminator	NBR	7521 S



Body Size

1/4" to 1"

Tema Profile

FF-Series**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

Applications Area**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

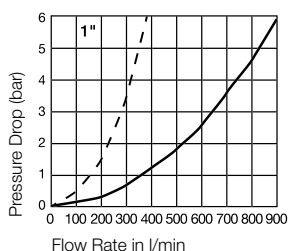
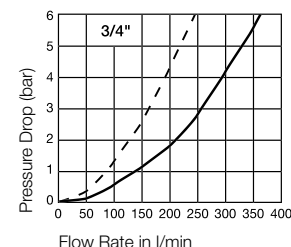
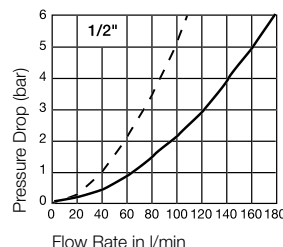
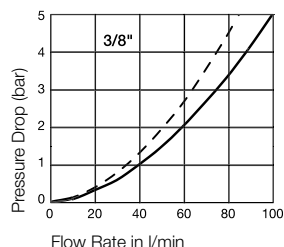
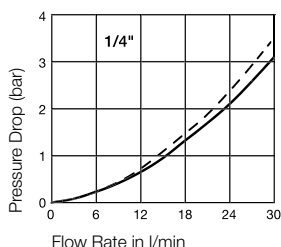
See charts.

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

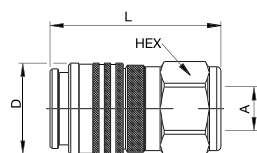
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Looking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/PUR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

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 Standard

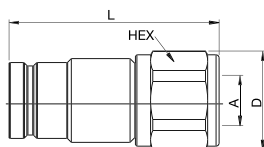


Female Thread

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	400	Standard	NBR/PUR	FF5010 C
1/2"	G 1/2	40	82	44	400	Standard	FKM	FF5010 CV
1/2"	G 3/4	40	82	44	400	Standard	NBR/PUR	FF5010-75 C
1/2"	G 3/4	40	82	44	400	Standard	FKM	FF5010-75 CV
3/4"	G 3/4	50	98	55	400	Standard	NBR/PUR	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/PUR	FF7510-100 C
3/4"	G 1	50	106	55	400	Standard	FKM	FF7510-100 CV
1"	G 1	65	120	70	300	Standard	NBR/PUR	FF10010 C
1"	G 1	65	120	70	300	Standard	FKM	FF10010 CV
1"	G 1 1/4	65	120	70	300	Standard	NBR/PUR	FF10010-125 C
1"	G 1 1/4	65	120	70	300	Standard	FKM	FF10010-125 CV
1"	G 1 1/2	65	120	70	300	Standard	NBR/PUR	FF10010-150 C
1"	G 1 1/2	65	120	70	300	Standard	FKM	FF10010-150 CV

Plugs

FF-Series Standard

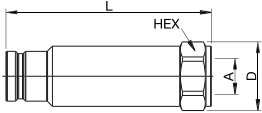


Female Thread

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	84	35	400	Standard	NBR/PUR	FF5020 C
1/2"	G 1/2	36	84	35	400	Standard	FKM	FF5020 CV
1/2"	G 3/4	36	90	40	400	Standard	NBR/PUR	FF5020-75 C
1/2"	G 3/4	36	90	40	400	Standard	FKM	FF5020-75 CV
3/4"	G 3/4	41	101	45	400	Standard	NBR/PUR	FF7520 C
3/4"	G3/4	41	101	45	400	Standard	FKM	FF7520 CV
3/4"	G 1	50	112	55	400	Standard	NBR/PUR	FF7520-100 C
3/4"	G 1	50	112	55	400	Standard	FKM	FF7520-100 CV
1"	G 1	60	138	65	300	Standard	NBR/PUR	FF10020 C
1"	G 1	60	138	65	300	Standard	FKM	FF10020 CV
1"	G 1 1/4	60	138	70	300	Standard	NBR/PUR	FF10020-125 C
1"	G 1 1/4	60	138	70	300	Standard	FKM	FF10020-125 CV
1"	G 1 1/2	60	138	70	300	Standard	NBR/PUR	FF10020-150 C
1"	G 1 1/2	60	138	70	300	Standard	FKM	FF10020-150 CV

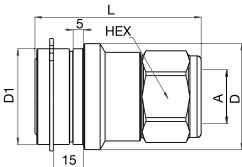
Plugs

FF-Series Pressure Eliminator

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	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	120	40		400	Press. Eliminator	NBR/PUR	FF5021 C
	1/2"	G 1/2	36	120	40		400	Press. Eliminator	FKM	FF5021 CV
	3/4"	G 3/4	50	146	56		400	Press. Eliminator	NBR/PUR	FF7521 C
	1"	G 1	55	178	60		300	Press. Eliminator	NBR/PUR	FF10021 C

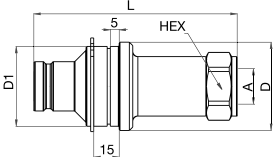
Couplings

FF-Series for Multiplate

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

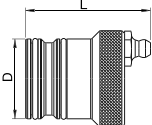
Plugs

FF-Series Pressure Eliminator for Multiplate

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/2"	G 1/2	36	120	52	47	400	Press. El. f. Multiplate	NBR/PUR	FF5021 CE
	3/4"	G 3/4	50	146	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

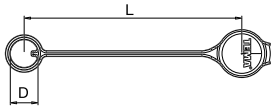
FF-Series

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



AIR TALDE

ALTA PRESION

Polígono Industrial Eitua, nº 52, Pab. 5-A . 48240 BERRIZ (BIZKAIA)
Tel.: 94 623 60 10 / Fax: 94 623 60 11 E-mail: airtalde@airtalde.es www.airtalde.es



Body Size

1/4" and 3/8"

700 bar

3000-Series**Technical Description**

High pressure coupler up to 700 bar. Screw locking mechanism.

Advantages

Screw type locking mechanism - high resistance to mechanical and hydraulic strengths. Ball or poppet valving configurations can be connected together with reduced impact on the flow capacities.

Applications

- Portable hydraulic rams
- Hydraulic jacks, rams and clamping devices
- Clamping hand tools
- Rescue equipment

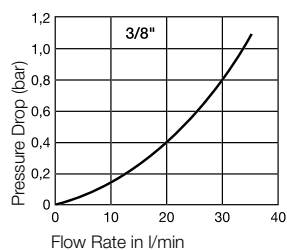
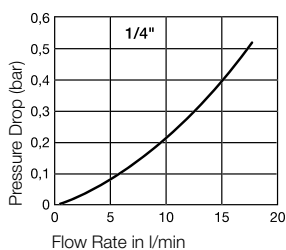
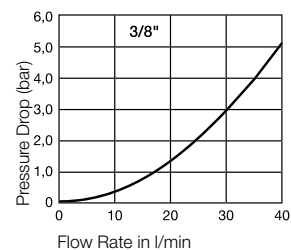
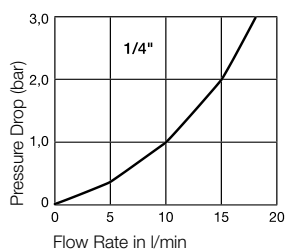
Working Temperature

-30°C up to +110°C (NBR)
-30°C up to +80°C (Polyurethane)
depending on the medium.
Special seals are available on request (see page 6 ff).

Working Pressure

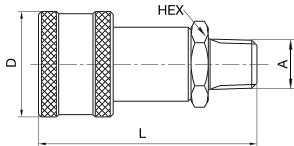
Body Size	Max. Operating Pressure Connected
1/4"	700 bar
3/8"	700 bar

Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Valve	Steel
Springs	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Thread Body	Steel
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Seals	NBR
Valve Holder	Steel

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

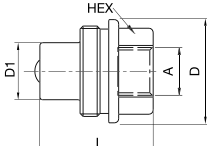
Couplings

3000-Series

	Body Size	Connec- tion A	Hex	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
 Male NPTF Thread	1/4"	1/4"	22 mm	60,5	28,5		Ball	115	3050-2
	1/4"	1/4"	22 mm	60,5	29		Poppet	121	3050-2P
	3/8"	3/8"	24 mm	72	35		Ball	220	3050-3
	3/8"	3/8"	1"	73	35		Poppet	225	3050-3P

Plugs

3000-Series

	Body Size	Connec- tion A	Hex mm	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
 Female NPTF Thread	1/4"	1/4"	19	32	28	15,8	Ball	70	3010-2
	1/4"	1/4"	27	32	31	15,8	Poppet	85	3010-2P
	3/8"	3/8"	32	38	35	19,0	Ball	115	3010-3
	3/8"	3/8"	32	35	36,8	19,0	Poppet	110	3010-3P

Dust Protection

3000-Series

	Body Size	Version	Part Number
	1/4"	for coupling	3005-2
	3/8"	for coupling	3005-3
	1/4"	for plug	3009-2
	3/8"	for plug	3009-3

Seal-Kit

3000-Series

	Body Size	Material	Part Number
	1/4"	NBR	JT020114N0552
	3/8"	Polyurethane	JT01U28-18.72QE



Body Size

1/4" and 3/8"

750 / 1100 bar

SK-Series**Technical Description**

Coupling for off-shore. Stainless Steel made to cope with very high work pressure in corrosive environment.

Advantages

Corrosion resistant.
Double-shut-off valve – no leakage.
Screw-to-connect-valve – connecting under pressure while disconnected.
Dust caps for coupling and plug.

Applications

- Off-Shore

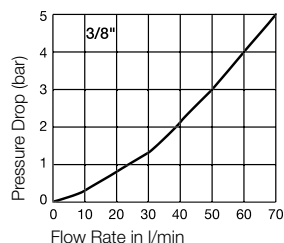
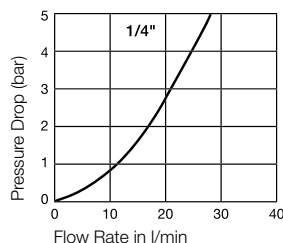
Working Pressure

SK10 750 bar
SK06 1100 bar

Working Temperature

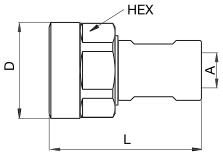
-25°C up to +100°C
(NBR/FKM)
depending on the medium.
Special seals are available on request (see page 6 ff).

Material Coupling	SK10 (750bar)	SK06 (1100 bar)
Coupling Body	Wst No 1.4462	Wst No 1.4462
Sleeve	Wst No 1.4401	Wst No 1.4418
Valve	AISI 316	AISI 316
Springs	AISI 302	AISI 302
Seals	NBR / FKM	NBR / FKM
Valve Retainer	AISI 316	AISI 316
Material Plug	SK10 (750bar)	SK06 (1100 bar)
Plug Body	Wst No 1.4462	Wst No 1.4462
Valve	AISI 316	AISI 316
Springs	AISI 302	AISI 302
Seals	NBR / FKM	NBR / FKM
Valve Retainer	AISI 316	AISI 316

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

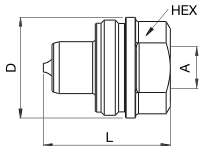
Couplings

SK-Series

	Body Size	Connection A	HEX mm	L mm	D mm	Working Pressure	Part Number
 Female Thread	1/4"	ISO-G 1/4 ORB	36	64	40	1100 bar	SK0610 R
	3/8"	ISO-G 3/8 ORB	41	67	45	750 bar	SK1010 R

Plugs

SK-Series

	Body Size	Connection A	HEX mm	L mm	D mm	Working Pressure	Part Number
 Female Thread	1/4"	ISO-G 1/4 ORB	27	44	35	1100 bar	SK0620 R
	3/8"	ISO-G 3/8 ORB	26	43	40	750 bar	SK1020 R

Dust Protection

SK-Series

	Body Size	Version	Material	Part Number
	1/4"	for coupling	POM	SK0615
	1/4"	for plug	POM	SK0625
	3/8"	for coupling	POM	SK1015
	3/8"	for plug	POM	SK1025



Body Size

1/4"

800 bar

FF2500-Series



Applications Area



Technical Description

The coupling system of the FF series has double shut-off, dry break and single-handed operation. During uncoupling 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 uncoupling. 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

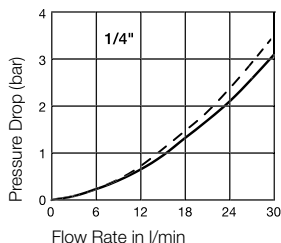
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6 ff).

Available Valves



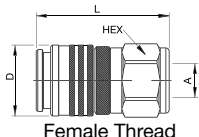
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, Zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/PUR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

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



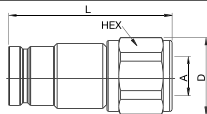
Couplings

FF2500-Series Standard

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	27	65	30	800	Standard	NBR/PUR	FF2510

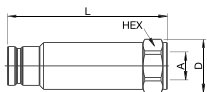
Plugs

FF2500-Series Standard

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	25	74	28	800	Standard	NBR/PUR	FF2520

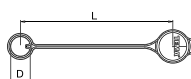
Plugs

FF2500-Series Pressure Eliminator

	Body Size	Connec- tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	25	99,2	28	800	Press. Eliminator	NBR/PUR	FF2521

Dust Protection

FF2500-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

Seal-Kit

FF2500-Series

	Body Size	Version	Material	Part Number
	1/4"	for plugs	NBR	FF2500-PSNPU



Body Size

1/4"

1000 bar

HP1000-Series

**Applications Area****Technical Description**

The Tema high pressure coupling was specially developed for use in industrial machinery, salvage devices and testing equipment. This series is galvanised and produced in steel. The plug part and the sleeve are hardened and galvanised in steel. The coupling can be supplied either with or without additional safety lock.

Advantages

High flow as a result of optimised valve design. Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs. Tema high pressure couplings are supplied with dust caps inclusive!

Seals

Coupling: bonded seal washer
Plug: bonded seal or innercone

Working Pressure

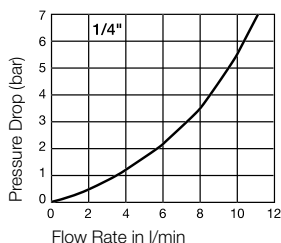
1000 bar

Working Temperature

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

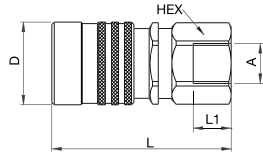
Available Valves

Material Coupling	Standard
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM
Plug	Standard
Plug Body	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

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

Couplings

HP1000-Series

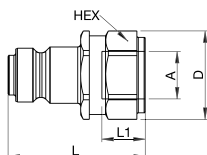


Female Thread

Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect.in bar	Part Number
G 1/4	24	59	12	27	without	1000	1000	>3000	HP10104131
G 1/4	24	59	12	27	with	1000	1000	>3000	HP10104132
1/4"-18 NPTF	24	59	12	27	without	1000	1000	>3000	HP10105131
1/4"-18 NPTF	24	59	12	27	with	1000	1000	>3000	HP10105132
G 3/8	24	59	12	27	without	1000	1000	>3000	HP10104171
G 3/8	24	59	12	27	with	1000	1000	>3000	HP10104172
3/8"-18 NPTF	24	59	13	27	without	1000	1000	>3000	HP10105171
3/8"-18 NPTF	24	59	13	27	with	1000	1000	>3000	HP10105172

Plugs

HP1000-Series

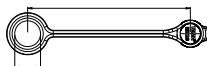
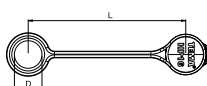


Female Thread

Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect.in bar	Part Number
G 1/4	22	37	12	24,5		1000	1000	>3000	HP1020413
1/4"-18 NPTF	22	37	12	24,5		1000	1000	>3000	HP1020513
G 3/8	24	37	12	24,5		1000	1000	>3000	HP1020417
3/8"-18 NPTF	24	37	13	24,5		1000	1000	>3000	HP1020517

Dust Protection

HP1000-Series



Version	L mm	D mm	Material	Color	Part Number
for coupling	120	21	PVC	Blue	HP16
for coupling	125		Aluminium	Red	HP16ARD
for plug	120	19	PVC	Blue	HP26
for plug	140		Aluminium	Red	HP26ARD



Body Size

1/4"

1500 bar

HP1500-Series

**Technical Description**

The Tema high pressure coupling was specially developed for use in bolt tensioning equipment. This series is produced in steel. The plug bodies and the sleeves are black galvanised. The coupling can be supplied either with or without additional safety lock.

Advantages

High flow as a result of optimised valve design. Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs. Tema high pressure couplings are supplied with dust caps inclusive!

Seals

Metal sealing cone threaded adapters/metal sealing cone adapters.

Working Pressure

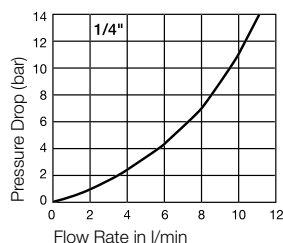
1500 bar

Working Temperature

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

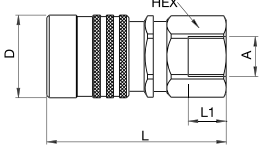
Available Valves**Applications Area**

Material Coupling	Standard
Coupling Body	Steel, zinc-nickel coated, black passivated, sealed
Sleeve	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM
Plug	Standard
Plug Body	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

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

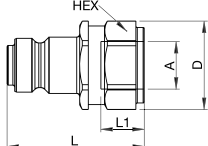
Couplings

HP1500-Series

	Con- nection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect.in bar	Part Number
 Female Thread	G 1/4	24	59	12	27	without	1500	1500	>3500	HP15104131
	G 1/4	24	59	12	27	with	1500	1500	>3500	HP15104132
	1/4"-18 NPTF	24	59	12	27	without	1500	1500	>3500	HP15105131
	1/4"-18 NPTF	24	59	12	27	with	1500	1500	>3500	HP15105132
	G 3/8	24	59	12	27	without	1500	1500	>3500	HP15104171
	G 3/8	24	59	12	27	with	1500	1500	>3500	HP15104172
	3/8"-18 NPTF	24	59	13	27	without	1500	1500	>3500	HP15105171
	3/8"-18 NPTF	24	59	13	27	with	1500	1500	>3500	HP15105172

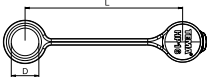
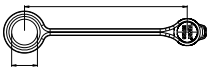
Plugs

HP1500-Series

	Con- nection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect.in bar	Part Number
 Female Thread	G 1/4	22	38	12	24,5		1500	1500	>3500	HP1520413
	1/4"-18 NPTF	22	38	12	24,5		1500	1500	>3500	HP1520513

Dust Protection

HP1500-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP16
	for coupling	125		Aluminium	Red	HP16ARD
	for plug	120	19	PVC	Blue	HP26
	for plug	140		Aluminium	Red	HP26ARD

Up to 2000 bar

High Pressure Adapters



Technical Description

Range of adapters developed for HP1000 and HP1500 series. To achieve other thread ports then existing in the standard range.

Advantages

The adapters makes the HP series more flexible and easy to connect to different fittings and hose packages.

Seals

Various - depending on adapter type

Working Pressure

Various - from 1000 to 2000 bar

Working Temperature

-30°C up to 100°C

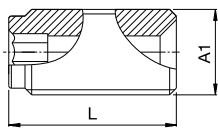
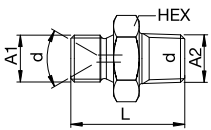
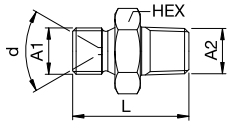
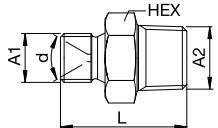
Material

Adapters

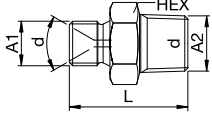
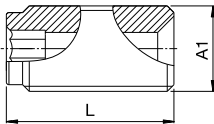
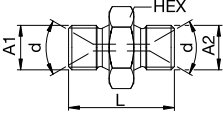
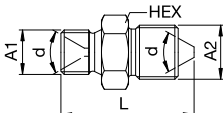
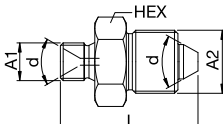
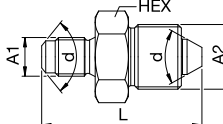
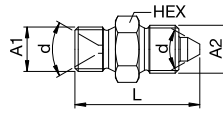
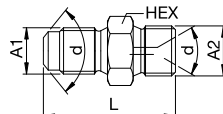
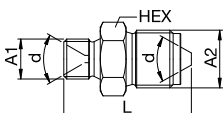
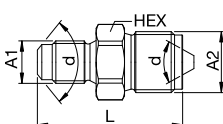
Standard

Steel, Zinc plated and passivated

High Pressure Adapters

	Connec- tion A1	Seal 1	Connection A2	Seal 2	Hex mm	L mm	Working Pressure bar	Part Number
	G 1/4	Rubber / Steel				25	1000	HP13-01
	G 1/4	Rubber / Steel	1/4-18 NPTF	Inside Thread	21	32	1000	HP13-02
	G 1/4	Rubber / Steel	R 1/4	Inside Thread	21	33	1000	HP13-03
	G 1/4	Rubber / Steel	3/8-18 NPTF	Inside Thread	21	34	1500	HP13-04

High Pressure Adapters

	Conne- ction A1	Seal 1	Connection A2	Seal 2	Hex mm	L mm	Working Pressure bar	Part Number
	G 1/4	Rubber / Steel	R 3/8	Inside Thread	21	35	1000	HP13-05
	G 1/4	Rubber / Steel				25	1500	HP13-06
	G 1/4	Inner Cone 60°	G 1/4	Inner Cone 60°	21	31,3	2000	HP13-07
	G 1/4	Inner Cone 60°	M 16 x 1,5	Outside Cone 60°	19	39,4	2000	HP13-08
	G 1/4	Inner Cone 60°	M 22 x 1,5	Outside Cone 60°	27	48	2000	HP13-09
	G 1/4	Outside Cone 120°	M 22 x 1,5	Outside Cone 60°	27	54,5	2000	HP13-10
	G 1/4	Inner Cone 60°	9/16-18 UNF	Outside Cone 60°	17	37	2000	HP13-11
	G 1/4	Outside Cone 120°	9/16-18 UNF	Inner Cone 60°	17	37,5	2000	HP13-12
	G 1/4	Inner Cone 60°	3/4-16 UNF	Outside Cone 60°	21	42	2000	HP13-13
	G 1/4	Outside Cone 120°	3/4-16 UNF	Outside Cone 60°	21	48,5	2000	HP13-14



AIR TALDE

MEDICION

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Measuring-System

System 100

Nominal Diameter

1,2

**Technical Description**

The design of the Tema System 100 allows the check of static and dynamic pressures as well as vacuum. With the integrated self-venting device (as standard), it is easy to evacuate any inclusions. This guarantees an accurate display of the measured value, especially with dynamic pressures. The measuring plugs are available with various connection options. They have very small dimensions and can be fitted very easily to the equipment. Thanks to the design and choice of materials, the plugs are maintenance-free. The measuring device with the pressure gauge is fitted with a Tema quick connect coupling. This guarantees coupling to the

measuring plugs in a matter of seconds. With the shut-off device in the plug and in the body of the coupling, the Tema System 100 allows a dry break, during coupling as well as during uncoupling. For measuring at a distance, a flexible extension cable is available; this can be coupled between the measuring plug and the measuring system. Thanks to its wide range of connections, the Tema System 100 is a versatile and flexible measuring system.

Maximum Working Pressure

Measuring plug 120: 400 bar
Other parts: 600 bar

Complete Hydraulic Set**System 100**

	Description	Part Number
The Tema System 100 Complete Set is delivered in a plastic case and contains the following parts: 1 piece measuring handle 101-2 and pressure 1 piece measuring handle 101-2 and pressure gauge of your choice* 1 piece measuring plug 120 1 piece measuring cable 130, length 2,5 m, complete 1 piece adapter 135, G 1/4" i. x G 1/8" o. 1 piece adapter 136, G 1/8" i. x G 1/4" o. In the measuring case there is additional room for two further pressure gauges as well as an adapter 139. If two pressure gauges are required, the part number is, for example, 106-13 (Complete Set with one pressure gauge 0-100 bar and one pressure gauge 0-40 bar). * If measuring handle 101-21A is required instead of 101-2, this must be added to the order.	Complete set not including pressure gauge	101
	Complete set with 1 pressure gauge -1 to +1,5 bar	104
	Complete set with 1 pressure gauge 0 to +25 bar	112
	Complete set with 1 pressure gauge 0 to +60 bar	114-QC
	Complete set with 1 pressure gauge 0 to +250 bar	107-QC
	Complete set with 1 pressure gauge 0 to +400 bar	108
	Complete set with 1 pressure gauge 0 to +600 bar	109

System 100

Measuring Plugs

Technical Description

Thanks to their advanced design, the measuring plugs are reliable components in our measuring device. Made of hardened steel. The measuring plugs are maintenance free and are designed for temperatures from -40°C up to +110°C. The integrated valve seals up to a 90% vacuum. All mechanical parts in the measuring plug are made of corrosion resistant materials. Two different type of sealing (see picture on the right side). Available with two different types of covering cap.

- Fully sealed
- Maintenance-free
- Metal-to-metal seal

A Type of seal



B Type of seal



Maximum Working Pressure

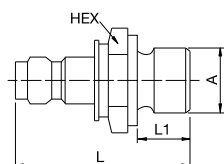
Measuring plug 120: 400 bar
Other parts: 600 bar



Measuring Plugs

System 100

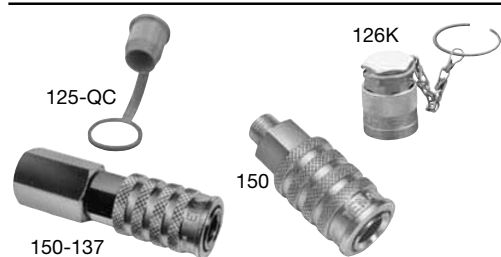
Connection A	Description	Type of seal	L mm	L1 mm	HEX mm	Weight gr.	Part Number
G 1/8	with plastic cap	A	29	7,5	15	20	120
G 1/8	with metal cap	A	29	7,5	15	20	120-126
G 1/4	with plastic cap	A	36	11	18	35	121-125
G 1/4	with metal cap	A	36	11	18	35	121-126
G 1/4	with plastic cap	B	36	11	18	35	122-125
G 1/4	with metal cap	B	36	11	18	35	122-126
M 12 x 1,5	with plastic cap	A	36	11	18	35	123-125
M 12 x 1,5	with metal cap	A	36	11	18	35	123-126
M 14 x 1,5	with plastic cap	A	36	11	20	40	124-125
M 14 x 1,5	with metal cap	A	36	11	20	40	124-126
M 10 x 1	with plastic cap	A	29	7,5	15	40	128-125
M 10 x 1	with metal cap	A	29	7,5	15	40	128-126



Measuring Plug Accessories

System 100

Description	Part Number
Plastic cap made of soft PVC	125-QC
Metal cap with O-ring seal. Quick-lock type coupling on plug. Extra safety. Up to 750 bar.	126K
Quick connect coupling for measuring plug with integrated shut-off valve. Seal made of FKM. G 1/8 male thread.	150
Adapter coupling female thread G 1/4"	150-137



⚠ Please consider our security advices on the pages 12/13 ⚠

System 100

Pressure Gauge/Measuring Handle/Self-Venting Block



Pressure Gauge

- Filled with glycerine – suitable for temperatures to -40°C
- Special seal – quick change
- Measuring accuracy $\pm 1,6\%$
- Diameter 63 mm
- Pressure gauge connection G 1/4", male thread
- Scale with double graduation (MPa + bar)

Measuring Handle

Measuring handle 101-2 is used for low pressures up to max. 60 bar.

- System 100 – time-saving quick connect couplings
- Shut-off valve in coupling body and plug – dry break

Measuring handle 101-21A can be coupled even under full working pressure.

Self-Venting Block

In order to obtain exact measured values (particularly with dynamic pressure measurements), it is essential that there should be no air bubbles trapped between the measuring plug and the pressure gauge. This can be checked simply and effectively with the Tema 100 Measuring System, since the air bubbles can easily be removed. It is possible to vent the system at maximum working pressure by using the venting screw.

Pressure Gauge

System 100

	Description	Part Number
Dimension Pressure gauge + measuring handle: 	-1 to +1,5 bar	MAN 04
	0 to +6 bar	MAN 15
	0 to +25 bar	MAN 12
	0 to +60 bar	MAN 14
	0 to +250 bar	MAN 07
	0 to +400 bar	MAN 08
	0 to +600 bar	MAN 09
	Rubber guard for pressure gauge	100-40
+ Measuring handle 101-2 + Measuring handle 101-21A		

Measuring Handle/Self-Venting Block

System 100

	Description	Part Number
	Measuring handle	101-2
	Measuring handle can be coupled under pressure	101-21A
	Self-venting block	101-3-QC

System 100

High-Pressure Hoses

Technical Description

Tema high-pressure hose – produced for measurements and mini-hydraulic systems. Exact selection of materials and production under strict control contribute to the satisfaction and reliable safety of the product. Max. working pressure 630 bar.

Material

Inner and outer hose: high-quality POLYAMIDE
Pressure carrier: KEVLAR

Caution: If the hoses are to be used for compressed air, this must be mentioned in the order.

Advantages

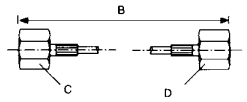
- Remains flexible, even under full working pressure, thanks to its small external dimensions and a suitable choice of materials.
- Resistant to all mineral and most synthetic oils
- Resistant to ageing
- No increase in volume (no differences in measurements)
- Temperature range from -40°C up to +100°C

In order to achieve optimal durability, the hoses can be strengthened with a spring at each end. Add-on code "F" after the itemnumber of each connection.



Ordering example for a complete high-pressure hose

	B	C	D
200K PA hose	1,6 Total- length m	210F G 1/8" Female thread + spring	240 Pressure gauge connect. G 1/4"



Pressures

Type	Work. Pressure	Burst Pressure	Inner Dimens.	Outer Dimens.
200K	630 bar	2000 bar	2,0 mm	4,9 mm
400K	500 bar	2000 bar	4,1 mm	8,0 mm

Temperature range from -40°C to +93°C.

Connections

System 100 High-Pressure Hoses

Caution! The hoses are produced in various lengths
Please specify hose and/or total length incl. connecting fittings. Design subject to alterations.

	Description	DN	Part Number
	G 1/8" female thread	2	210-QC
	G 1/8" male thread	2	220
	Pressure gauge connection G 1/4" female thread	2	240
	M 16 x 2,0 female thread for measuring plug		270

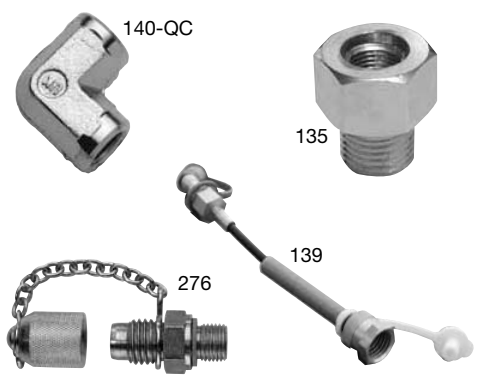
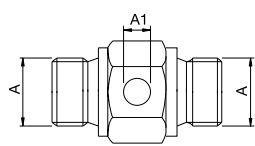
Measuring Cable

System 100

	Description	Part Number
Measuring cables in other designs and lengths on request.		
	Measuring cable for coupling the measuring handle 101-2 to measuring plugs.	130
	Supplied as standard with measuring plug (120) and coupling (150): 2,5 m.	

Accessories

System 100

	Thread	Description	Part Number
	G 1/4 i. x G 1/8 o.	Adapter	135
	G 1/8 i. x G 1/4 i.	Adapter	136
	G 1/8 i. x G 1/4 o.	Adapter	137
	M 16	Changeover adapter for measuring plug	139
	G 1/8 i. x G 1/8 i.	Angle 90°	140-QC
		Plastic case (without picture)	101-1
	M 16 x 2 / G 1/4	Measuring plug	276
	M 16 x 2 / G 3/8	Measuring plug	277
	A: G 1/4; A1: G 1/8	Double plug with connecting thread for measuring plug	DNT2-1



Measuring-System

PJS Series



Technical Description

The PJ/PJS series was specially developed for hydraulic diagnosis. Using the PJS system, oil quality and oil pressure can be determined by extracting oil directly from the plug. The components are produced in steel, galvanised in the connection and conform to norm SAE J 1502.

The PJS plug can be used both to test the oil and to extract oil.

Advantages

The FlatFace design makes it easier to clean out dirt. Optimised oil intervals save time, labour and operating capital. The easy-grip, knurled locking sleeve makes coupling and uncoupling easy. Sampling also in working pressure circuits.

Working Pressure

See information below.

Working Temperature

-30°C up to +100°C (NBR)

Applications Area



Material Coupling

Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, zinc plated, passivated, sealed
Valve	Steel/brass
Spring	AISI 301
Locking Balls	AISI 420 C
Seals	NBR

Material Plug

Plug Body	Steel, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Spring	AISI 301
Seals	NBR

Couplings

PJS-Series

	Connection A	Description	HEX mm	L mm	L1 mm	D mm	Working Press. bar	Part Number
 Female Thread	1/8"-27 NPT	for Diagnostic	24	53	8	27	415	SJ18FN
	1/8"-27 NPT	for Fluid Sampling	24	53	8	27	415	SJS18FN
	1/4"-18 NPT	for Diagnostic	24	53	12	27	415	SJ14FN
	1/4"-18 NPT	for Fluid Sampling	24	53	12	27	415	SJS14FN

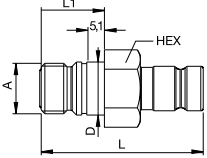
Plugs

PJS-Series

	Connection A	Description	HEX mm	L mm	L1 mm	D mm	Working Press. bar	Part Number
 Male Thread	7/16"-20 UNF	for Diagnostic	11/16"	45	9		415	PJ716U
	7/16"-20 UNF	for Diagnostic and Fluid Sampling	11/16"	45	9		415	PJS716U
	9/16"-18 UNF	for Diagnostic	11/16"	43	10		415	PJ916U
	9/16"-18 UNF	for Diagnostic and Fluid Sampling	11/16"	43	10		415	PJS916U

Plugs

PJS-Series

 Male Thread Bulkhead Mounting	Connection A	Description	HEX	L mm	L1 mm	D mm	Working Press. bar	Part Number
	9/16"-18 UNF	for Diagnostic	11/16"	46	18	15	415	PJ916FQ
	9/16"-18 UNF	for Diagnostic and Fluid Sampling	11/16"	46	18	15	415	PJS916FQ



Measuring-System

PD Series

Body Size

1/8"



Technical Description

Diagnostic couplings provide easily accessible test points for performance testing of hydraulic and pneumatic systems. Easily incorporated into original equipment or retrofitted to existing circuits, PD plugs meet or exceed SEA J 1502 and ISO 15171-1 design and performance specification.

Advantages

Carbon steel for couplers. High tensile steel for plugs. Also available in brass on request. Ball locking mechanism. Flush-faced poppet valve for a minimal air inclusion when connecting, minimal fluid loss during disconnection and for an easy cleaning. The sealing and locking groove are induction hardened to resist mechanical abuse and brinelling while leaving toughness. A safety sleeve lock prevents accidental disconnection. Push-to-connect operation allows one hand operation when connecting the coupling.

Applications

- Industrial equipment
- Mobile equipment
- Agricultural equipment

Working Pressure

See chart.

Working Temperature

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

Options:

1. For some end configurations, test points are also available in brass and stainless steel AISI 316.
2. Other metric end configurations are available upon request.
3. Possibility to have test point connectable under pressure up to 420 bar. Please contact your Parker sales engineer.

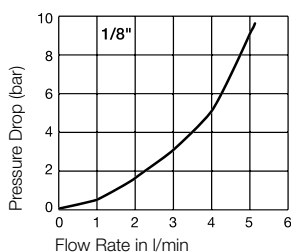
Material Coupling

Body	Steel
Sleeve	Steel
Valve	Steel
Valve Sleeve	Steel
Springs	Steel
Seals	Nitrile
Back-up Rings	PTFE
Valve body	Steel

Material Plug

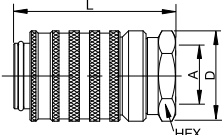
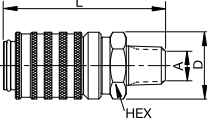
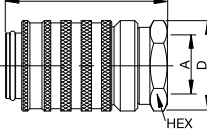
Body	Steel
Seals	Nitrile
Valve	Steel
Spring	Steel
Retainer	Steel

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



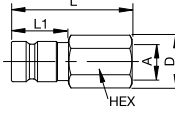
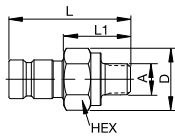
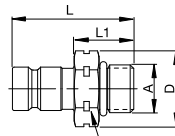
Couplings

PD-Series

	Body Size	Connec- tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Female NPTF Thread – SAE J 476	1/8"	1/8"-27		13/16"	42,4		24,4	90	PD222
	1/8"	1/4"-18		13/16"	53,8		24,4	113	PD242
 Male NPTF Thread – SAE J 476	1/8"	1/4"-18		13/16"	57,4		24,4	104	PD243
 Female UNF Thread – SAE J 1926	1/8"	9/16"-18		13/16"	53,8		24,4	109	PD260

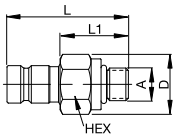
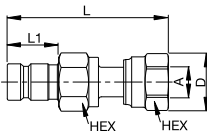
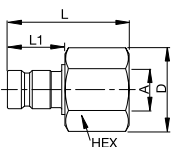
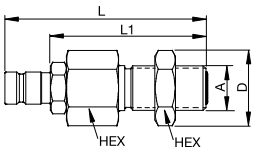
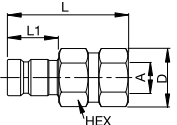
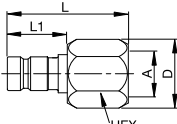
Plugs

PD-Series

	Body Size	Connec- tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Female NPTF Thread – SAE J 476	1/8"	1/8"-27		9/16"	37,6	19,8	16,5	27	PD322
	1/8"	1/4"-18		3/4"	41,4	23,6	21,9	54	PD342
 Male NPTF Thread – SAE J 476	1/8"	1/8"-27		11/16"	39,4	21,6	20,1	77	PD323
	1/8"	1/4"-18		11/16"	37,6	19,8	20,1	27	PD343
	1/8"	3/8"-18		13/16"	38,1	20,3	23,8	40	PD363
 Male Metric Thread to ISO 6149	1/8"	M 14 x 1,5		17 mm	35,0	17,3	19,6	32	PD367-1A

Plugs

PD-Series

	Body Size	Connec- tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Male UNF Thread - SAE 1926	1/8"	7/16"-20		11/16"	40,6	22,9	20,1	36	PD341
	1/8"	1/2"-20		5/8"	33,5	15,7	18,3	22	PD351 *
	1/8"	9/16"-18		11/16"	33,5	15,7	20,1	27	PD361 *
 O-Lok SAE J 1453 / ISO 8434-3	1/8"	9/16"-18	1/4" (6 mm)	11/16"	55,4	17,8	20,1	54	PD34BTL
	1/8"	1 1/16"-16	3/8" (10 mm)	13/16"	58,4	17,8	23,9	63	PD36BTL
 O-Lok SAE J 1453 / ISO 8434-3	1/8"	13/16"-16	1/2" (12 mm)	1 5/16"	28,4	17,8	38,4	58	PD38BTL *
 Bulkhead O-Lok SAE J 1453 / ISO 8434-3	1/8"	9/16"-18	1/4" (6 mm)	13/16"	75,7	57,9	23,8	86	PD346 *
 Triple-Lok SAE J 514 - ISO 8434-2	1/8"	9/16"-18	3/8" (10 mm)	11/16"	42,2	17,8	20,1	40	PD36BTX *
 Triple-Lok SAE J 514 - ISO 8434-2	1/8"	1 1/16"-12	3/4" (20 mm)	1 1/4"	35,3	17,8	36,5	122	PD312BTX

* Add 6 to part number to include the dust cap.

Dust Protection

PD-Series

Body Size	Version	Part number
1/8"	for plug	PD6-285

Other material (EPDM / FKM / HNBR) are available on request.