Screw-to-connect

Body Size

3/8" up to 2"

Screw-to-Connect

FET-Series

Technical Description
Screw-to-connect type of couplings for difficult applications. Working pressure up to 415 bar. Flat face valves to avoid fluid loss and protect environnement.

Advantages
- No fluid loss during connection/disconnection
- Good resistance to vibrations and mechanical stresses due to screw connection
- Connectable under residual pressure up to 345 bar

Applications
- Mobile and construction equipment: cranes, drilling machines, excavators, hammers, thumbs
- Oil field: wellhead drives

Working Pressure
See charts.

Working Temperature
-20°C up to +100°C (NBR)

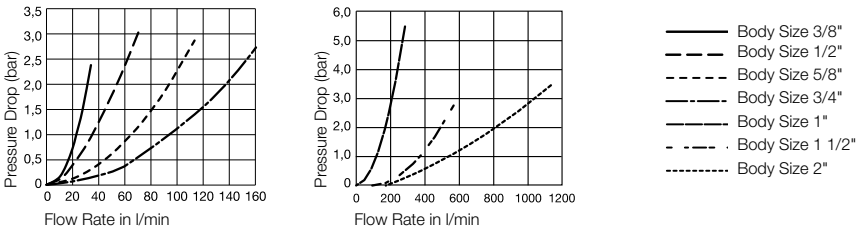
Max. Residual Pressure

Body Size	during connection	during disconnection
3/8"	345 bar	172 bar
1/2"	345 bar	172 bar
5/8"	345 bar	172 bar
3/4"	345 bar	172 bar
1"	345 bar	172 bar
1 1/2"	345 bar	172 bar
2"	345 bar	172 bar

Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	Stainless steel
Springs	Stainless steel
Locking Balls	Steel
Seals	Nitrile/Polyurethane

Material Plug	Steel
Plug Body	Steel
Valve	Stainless steel
Springs	Stainless steel
Seals	Nitrile
Valve Holder	Steel

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



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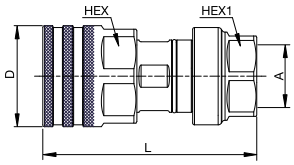
Couplings — FET-Series

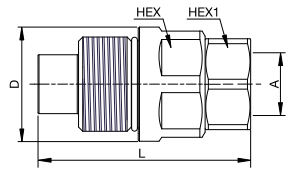


Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38	30	99,3	42	417	415	FET-371-8FP
1/2"	1/2"-14	48	38	94,0	52,1	626	415	FET-501-8FP
5/8"	3/4"-14	50	41,3	114,8	53,9	921	345	FET-621-12FP
3/4"	1" -11 1/2	55	50	138,2	58,7	1520	345	FET-751-16FP
1"	1 1/4"-11	65	55,6	148,0	69,9	2159	345	FET-1001-20FP
1 1/2"	1 1/2"-11	85	66,7	180	95,3	4563	345	FET-1501-24FP
2"	2"-11 1/2		95,3	296,4	191,0	15444	345	FET-2001-32FP

* Max. service pressure connected

Plugs — FET-Series



Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38,0	31,8	89,2	40,7	450	415	FET-372-8FP
1/2"	1/2"-14	44,0	28,6	89,0	47,8	513	415	FET-502-8FP
5/8"	3/4"-14	50,0	41,3	103,7	53,9	916	345	FET-622-12FP
3/4"	1"-11 1/2	55,0	50,0	118,2	58,7	1234	345	FET-752-16FP
1"	1 1/4"-11	65,0	55,6	130,0	70,0	1973	345	FET-1002-20FP
1 1/2"	1 1/2"-11	75,0	66,7	151,0	95,3	3630	345	FET-1502-24FP
2"	2"-11 1/2	114,3	95,3	217,4	145,0	12033	345	FET-2002-32FP

* Max. service pressure connected

Dust Protection — FET-Series

Body Size	Version	Material	Part Number
3/8"	for coupling	Aluminium	FET3DP-01
1/2"	for coupling	Aluminium	FET5DP-01
5/8"	for coupling	Aluminium	FET6DP-01
3/4"	for coupling	Aluminium	FET7DP-01
1"	for coupling	Aluminium	FET10DP-01
1 1/2"	for coupling	Aluminium	FET15DP-01
2"	for coupling	Aluminium	FET20DP-01
3/8"	for plug	Aluminium	FET3DC-01
1/2"	for plug	Aluminium	FET5DC-01
5/8"	for plug	Aluminium	FET6DC-01
3/4"	for plug	Aluminium	FET7DC-01
1"	for plug	Aluminium	FET10DC-01
1 1/2"	for plug	Aluminium	FET15DC-01
2"	for plug	Aluminium	FET20DC-01

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