Screw-to-connect

Body Size

3/8" up to 1 1/4"

Screw-to-Connect

FHP-Series



Technical Description
Screw-to-connect type of couplings for difficult applications. Working pressure up to 550 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 and internal construction
- Connectable under residual pressure up to 250 bar
- Safety locking feature to avoid accidental disconnection

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)

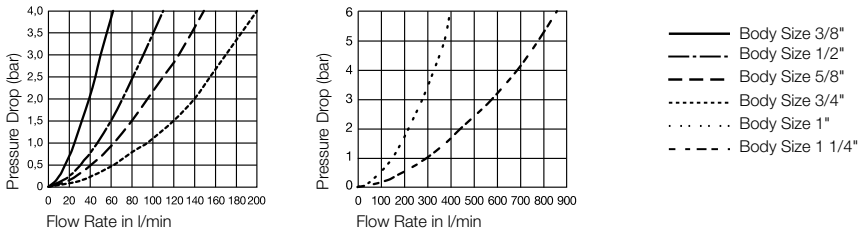
Max. Residual Pressure

Body Size	during connection
3/8"	250 bar
1/2"	250 bar
5/8"	250 bar
3/4"	250 bar
1"	250 bar
1 1/4"	250 bar

Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	Steel
Springs	Stainless steel
Locking Balls	Steel
Seals	NBR

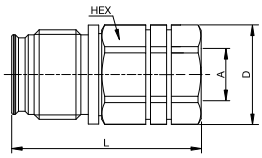
Material Plug	Steel
Plug Body	Steel
Valve	Steel
Springs	Stainlass steel
Seals	NBR
Valve Holder	Stainlass steel

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



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Couplings — FHP-Series

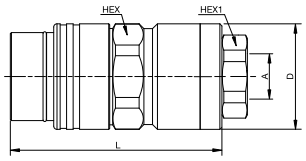


Female Thread - BSPP

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	3/8"	30		64,5	32	234	550	FHP-371-6FB
1/2"	1/2"	36		76,0	40	440	550	FHP-501-8FB
5/8"	3/4"	41		83,5	45	580	550	FHP-621-12FB
3/4"	1"	46		98,0	50	955	500	FHP-751-16FB
1"	1 1/4"	55		105,0	60	1395	470	FHP-1001-20FB
1 1/4"	1 1/2"	65		132,5	85	2930	400	FHP-1251-24FB

* Max. service pressure connected

Plugs — FHP-Series



Female Thread - BSPP

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	3/8"	38	27	94,5	42	592	550	FHP-372-6FB
1/2"	1/2"	45	36	110,0	49	945	550	FHP-502-8FB
5/8"	3/4"	48	36	110,0	52	1045	550	FHP-622-12FB
3/4"	1"	55	46	127,0	60	1585	500	FHP-752-16FB
1"	1 1/4"	70	55	137,0	76	2510	470	FHP-1002-20FB
1 1/4"	1 1/2"	85	65	174,7	85	5120	400	FHP-1252-24FB

* Max. service pressure connected

Dust Protection — FHP-Series

Body Size	Version	Material	Part Number
3/8"	for coupling	Aluminium	FHP-371-DC
1/2"	for coupling	Aluminium	FHP-501-DC
5/8"	for coupling	Aluminium	FHP-621-DC
3/4"	for coupling	Aluminium	FHP-751-DC
1"	for coupling	Aluminium	FHP-1001-DC
1 1/4"	for coupling	Aluminium	FHP-1251-DC
3/8"	for plug	Aluminium	FHP-371-DP
1/2"	for plug	Aluminium	FHP-501-DP
5/8"	for plug	Aluminium	FHP-621-DP
3/4"	for plug	Aluminium	FHP-751-DP
1"	for plug	Aluminium	FHP-1001-DP
1 1/4"	for plug	Aluminium	FHP-1251-DP

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

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark