

STAUFF Screw-to-connect coupling with poppet valve series HI/HIB



Screw-to-connect couplings of the HI Series consist of a female body with a screw sleeve and a male tip with external thread.

The Series is developed for high working pressure applications according to ISO 14540 and can be connected under residual pressure.

Coupling (screwing) and uncoupling (unscrewing) of the two halves is safe and very easy. After the connection is complete, all internal components have minimal play or clearance, which significantly reduces the risk of material fatigue.

Another advantage is that the risk of permanent indentation, so-called "brinelling", on the surface of the male tip is eliminated, which can occur with push-to-connect couplings in similar extreme applications.

The proven design is suitable for use in high pressure applications, such as cylinders and hydraulic tools and available in nominal sizes 6,3, 10 [1/4" - 3/8"].

Characteristics

Series: HI/HIB

Material: Steel

Surface protection: Zinc-Nickel

Valve shape: Poppet valve

Minimum medium temperature (continuous): -25 °C

Maximum medium temperature (continuous): 100 °C

Standard: ISO 14540

Connectable under residual pressure: No

Application

- Industrial hydraulic, rescue and tensioning hydraulics

Type of component	Construction size	Nominal bore in DN mm	Coupling size (inch)	Connection type	Connection size	Maximum operating pressure bar	Spillage ml	Max. flow rate l/min	Sealing	Article
Coupling (female)	1	6.3	1/4"	External thread	1/4" NPT	720	0.5	18	NBR/PTFE/PU	14508436
Coupling (female)	1	6.3	1/4"	External thread	1/4" NPT	720	0.5	18	NBR/PTFE/PU	14230049
Coupling (female)	2	10	3/8"	External thread	3/8" NPT	720	1	34.5	NBR/PTFE/PU	14230054
Coupling (female)	2	10	3/8"	External thread	3/8" NPT	720	1	34.5	NBR/PTFE/PU	14508438
Plug (male)	1	6.3	1/4"	Internal thread	1/4" NPT	720	0.5	18	NBR/PU	14508437
Plug (male)	1	6.3	1/4"	Internal thread	1/4" NPT	720	0.5	18	NBR/PU	14230050
Plug (male)	2	10	3/8"	Internal thread	3/8" NPT	720	1	34.5	NBR/PU	14508439
Plug (male)	2	10	3/8"	Internal thread	3/8" NPT	720	1	34.5	NBR/PU	14230055

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