



STAUFF Screw-to-connect coupling with poppet valve series HR

Screw-to-connect couplings of the HR Series consist of a female body with external thread and a male tip with a screw sleeve. The Series is developed for particularly heavy-duty, high pressure and high pulsing applications for connecting hydraulic lines up to DN38 (1 1/2").

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 heavy construction machinery and available in nominal sizes 10, 12.5, 19, 25, 38 (3/8" - 1 1/2").

Characteristics

Series: HR

Material: Steel

Surface protection: Zinc coated

Valve shape: Poppet valve

Minimum medium temperature (continuous): -25 °C

Maximum medium temperature (continuous): 100 °C

Connectable under residual pressure: Yes, with restrictions

Application

- Construction machinery

Technical Information

Connect under pressure:

- male tip and female body up to max. 100 bar / 1450 PSI allowed

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]	2	10	3/8"	Internal thread	3/8" BSP cyl.	610	2	50	NBR/PTFE	14508648
Coupling [female]	3	12.5	1/2"	Internal thread	1/2" BSP cyl.	470	3	85	NBR/PTFE	14508654
Coupling [female]	4	19	3/4"	Internal thread	3/4" BSP cyl.	400	10	120	NBR/PTFE	14508660
Coupling [female]	6	25	1"	Internal thread	1" BSP cyl.	400	16	280	NBR/PTFE	14508666
Coupling [female]	6	25	1"	Internal thread	1" BSP cyl.	400	16	280	NBR/PTFE	14508665
Coupling [female]	8	31.5	1.1/4"	Internal thread	1.1/4" BSP cyl.	320	30	460	NBR/PTFE	14508672
Coupling [female]	8	31.5	1.1/4"	Internal thread	1.1/4" BSP cyl.	320	30	460	NBR/PTFE	14508671
Coupling [female]	10	38	1.1/2"	Internal thread	1.1/2" BSP cyl.	300	54	700	NBR/PTFE	14508678
Coupling [female]	10	38	1.1/2"	Internal thread	1.1/2" BSP cyl.	300	54	700	NBR/PTFE	14508677
Plug [male]	2	10	3/8"	Internal thread	3/8" BSP cyl.	610	2	50	NBR	14508650
Plug [male]	3	12.5	1/2"	Internal thread	1/2" BSP cyl.	470	3	85	NBR	14508656
Plug [male]	4	19	3/4"	Internal thread	3/4" BSP cyl.	400	10	120	NBR	14508662
Plug [male]	6	25	1"	Internal thread	1" BSP cyl.	400	16	280	NBR	14508668
Plug [male]	6	25	1"	Internal thread	1" BSP cyl.	400	16	280	NBR	14508667
Plug [male]	8	31.5	1.1/4"	Internal thread	1.1/4" BSP cyl.	320	30	460	NBR	14508673

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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
Plug (male)	8	31.5	1.1/4"	Internal thread	1.1/4" BSP cyl.	320	30	460	NBR	14508674
Plug (male)	10	38	1.1/2"	Internal thread	1.1/2" BSP cyl.	300	54	700	NBR	14508680
Plug (male)	10	38	1.1/2"	Internal thread	1.1/2" BSP cyl.	300	54	700	NBR	14508679

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