

STAUFF Screw-to-connect coupling Flat-Face series RH



Flat Face screw-to-connect couplings of the RH Series consist of a female body with external thread and a male tip with a screw sleeve. The Series is developed for extra heavy-duty applications for connecting of large diameter hydraulic lines up to DN 25 [1"].

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 RH Series is available in nominal sizes: 10, 12,5, 16, 19, 25 [3/8" - 1"].

Characteristics

Series: RH

Material: Steel

Surface protection: Zinc-Nickel

Valve shape: Flat face

Minimum medium temperature (continuous): -30 °C

Maximum medium temperature (continuous): 100 °C

Connectable under residual pressure: Yes, with restrictions

Execution

Flat Face quick release couplings have the following advantages:

- The flat face valve design reduces the risk of leakage and wear
- Reducing the risk of contaminants from entering the system
- Powerful flow characteristics with minimal pressure drop

Application

- Construction machinery

Technical Information

Connect under pressure:

- max. 20 bar / 290 PSI residual pressure with tools 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"	Cutting ring connection	8L - M14x1.5	420	0.1	46	NBR/PTFE/PU	12628105
Coupling (female)	2	10	3/8"	Cutting ring connection	10S - M18x1.5	420	0.1	46	NBR/PTFE/PU	14509081
Coupling (female)	2	10	3/8"	Cutting ring connection	10S - M18x1.5	420	0.1	46	NBR/PTFE/PU	12731607
Coupling (female)	2	10	3/8"	Cutting ring connection	12L - M18x1.5	420	0.1	46	NBR/PTFE/PU	1009031
Coupling (female)	2	10	3/8"	Cutting ring connection	15L - M22x1.5	420	0.1	46	NBR/PTFE/PU	12731606
Coupling (female)	2	10	3/8"	Cutting ring connection	16S - M24x1.5	420	0.1	46	NBR/PTFE/PU	12731683
Coupling (female)	2	10	3/8"	External thread	3/8" BSP cyl.	420	0.1	46	NBR/PTFE/FKM/PU	14509085
Coupling (female)	3	12.5	1/2"	Cutting ring connection	15L - M22x1.5	420	0.16	106	NBR/PTFE/PU	12124745
Coupling (female)	3	12.5	1/2"	Cutting ring connection	16S - M24x1.5	420	0.16	106	NBR/PTFE/PU	12731621
Coupling (female)	3	12.5	1/2"	Cutting ring connection	20S - M30x2.0	420	0.16	106	NBR/PTFE/PU	12731622
Coupling (female)	3	12.5	1/2"	External thread	1/2" BSP cyl.	420	0.16	106	NBR/PTFE/FKM/PU	14509124

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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
Coupling (female)	4	16	5/8"	Cutting ring connection	16S - M24x1.5	420	1.02	148	NBR/PTFE/PU	12752042
Coupling (female)	4	16	5/8"	Cutting ring connection	16S - M24x1.5	420	1.02	148	NBR/PTFE/PU	12731629
Coupling (female)	4	16	5/8"	Cutting ring connection	18L - M26x1.5	420	1.02	148	NBR/PTFE/PU	12956675
Coupling (female)	4	16	5/8"	Cutting ring connection	18L - M26x1.5	420	1.02	148	NBR/PTFE/PU	12731657
Coupling (female)	4	16	5/8"	Cutting ring connection	20S - M30x2.0	420	1.02	148	NBR/PTFE/PU	12731630
Coupling (female)	4	16	5/8"	Cutting ring connection	22L - M30x2.0	420	1.02	148	NBR/PTFE/PU	14509129
Coupling (female)	4	16	5/8"	Cutting ring connection	25S - M36x2.0	420	1.02	148	NBR/PTFE/PU	14509130
Coupling (female)	6	19	3/4"	Cutting ring connection	25S - M36x2.0	420	0.86	200	NBR/PTFE/PU	14247833
Coupling (female)	8	25	1"	Cutting ring connection	35L - M45x2.0	420	2.84	500	NBR/PTFE/PU	12731677
Coupling (female)	8	25	1"	Cutting ring connection	38S - M52x2.0	420	2.84	500	NBR/PTFE/PU	12731634
Coupling (female)	8	25	1"	Cutting ring connection	42L - M52x2.0	420	2.84	500	NBR/PTFE/PU	13360707
Coupling (female)	8	25	1"	SAE flange	SAE 6000 psi 1.1/4"	420	2.84	500	NBR/PTFE/PU	14509163
Coupling (female)	8	25	1"	SAE flange	SAE 6000 psi 1.1/4"	420	2.84	500	NBR/PTFE/PU	14509164
Plug (male)	2	10	3/8"	Cutting ring connection	8L - M14x1.5	420	0.1	46	NBR/PTFE	12494864
Plug (male)	2	10	3/8"	Cutting ring connection	12L - M18x1.5	420	0.1	46	NBR/PTFE	12253025
Plug (male)	2	10	3/8"	Cutting ring connection	12L - M18x1.5	420	0.1	46	NBR/PTFE	14509093
Plug (male)	2	10	3/8"	Cutting ring connection	14S - M22x1.5	420	0.1	46	NBR/PTFE	12731616
Plug (male)	2	10	3/8"	Cutting ring connection	15L - M22x1.5	420	0.1	46	NBR/PTFE	12731613
Plug (male)	2	10	3/8"	Cutting ring connection	16S - M24x1.5	420	0.1	46	NBR/PTFE	12731617
Plug (male)	3	12.5	1/2"	Cutting ring connection	15L - M22x1.5	420	0.16	106	NBR/PTFE	11285101
Plug (male)	3	12.5	1/2"	Cutting ring connection	16S - M24x1.5	420	0.16	106	NBR/PTFE	12731624
Plug (male)	3	12.5	1/2"	Cutting ring connection	20S - M30x2.0	420	0.16	106	NBR/PTFE	12731625
Plug (male)	4	16	5/8"	Cutting ring connection	15L - M22x1.5	420	1.02	148	NBR/PTFE	13907266
Plug (male)	4	16	5/8"	Cutting ring connection	16S - M24x1.5	420	1.02	148	NBR/PTFE	12731660
Plug (male)	4	16	5/8"	Cutting ring connection	18L - M26x1.5	420	1.02	148	NBR/PTFE	12956672
Plug (male)	4	16	5/8"	Cutting ring connection	20S - M30x2.0	420	1.02	148	NBR/PTFE	12956660
Plug (male)	4	16	5/8"	Cutting ring connection	22L - M30x2.0	420	1.02	148	NBR/PTFE	14509133
Plug (male)	4	16	5/8"	Cutting ring connection	25S - M36x2.0	420	1.02	148	NBR/PTFE	14509134
Plug (male)	6	19	3/4"	Cutting ring connection	20S - M30x2.0	420	0.86	200	NBR/PTFE	14247901
Plug (male)	6	19	3/4"	Cutting ring connection	22L - M30x2.0	420	0.86	200	NBR/PTFE	14247978
Plug (male)	6	19	3/4"	Cutting ring connection	25S - M36x2.0	420	0.86	200	NBR/PTFE	14248242
Plug (male)	8	25	1"	Cutting ring connection	35L - M45x2.0	420	2.84	500	NBR/PTFE	12731679
Plug (male)	8	25	1"	Cutting ring connection	38S - M52x2.0	420	2.84	500	NBR/PTFE	12731635
Plug (male)	8	25	1"	Cutting ring connection	38S - M52x2.0	420	2.84	500	NBR/PTFE	14509169

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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	25	1"	Cutting ring connection	42L - M52x2.0	420	0.86	500	NBR/PTFE	13360724

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