

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



Flat Face screw-to-connect couplings of the FG Series consist of a female body with a screw sleeve and a male tip with external thread. The Series is developed for particularly heavy-duty applications for connecting hydraulic lines up to DN31,5 (1 1/4").

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 FG Series is available in nominal sizes 10, 12, 16, 19, 25, 31,5(3/8" - 1 1/4").

Characteristics

Series: FG

Material: Steel

Surface protection: Zinc-Nickel

Valve shape: Flat face

Minimum medium temperature (continuous): -25 °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, hydraulic trailers, lifting equipment, oil and gas industry (onshore), hydraulic tippers

Approval

- The nominal sizes 12, 16, 19 and 25 are certified according to API-16D [American Petroleum Institute] and EUB Directive 036 by LRQA [Lloyd's Register].

Technical Information

Connect under pressure:

- male tip or female body up to 250 bar (3626 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	1/2" BSP cyl.	550	0.01	46	NBR/PTFE/PU	14508347
Coupling [female]	2	10	3/8"	Internal thread	1/2" NPT	550	0.01	46	NBR/PTFE/PU	14508349
Coupling [female]	2	10	3/8"	Internal thread	1/4" BSP cyl.	550	0.01	46	NBR/PTFE/PU	14508345
Coupling [female]	2	10	3/8"	Internal thread	3/4-16 UNF	550	0.01	46	NBR/PTFE/PU	14508350
Coupling [female]	2	10	3/8"	Internal thread	3/8" BSP cyl.	550	0.01	46	NBR/PTFE/PU	14508346
Coupling [female]	2	10	3/8"	Internal thread	3/8" NPT	550	0.01	46	NBR/PTFE/PU	14508348
Coupling [female]	3	12.5	1/2"	Internal thread	1.1/16-12 UN	550	0.01	90	NBR/PTFE/PU	14508362
Coupling [female]	3	12.5	1/2"	Internal thread	1/2" BSP cyl.	550	0.01	90	NBR/PTFE/PU	14508357
Coupling [female]	3	12.5	1/2"	Internal thread	1/2" NPT	550	0.01	90	NBR/PTFE/PU	14508358
Coupling [female]	3	12.5	1/2"	Internal thread	3/4" NPT	550	0.01	90	NBR/PTFE/PU	14508359

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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)	3	12.5	1/2"	Internal thread	3/4-16 UNF	550	0.01	90	NBR/PTFE/PU	14508360
Coupling (female)	3	12.5	1/2"	Internal thread	7/8-14 UNF	550	0.01	90	NBR/PTFE/PU	14508361
Coupling (female)	4A	16	5/8"	Internal thread	1.1/16-12 UN	550	0.02	148	NBR/PTFE/PU	14508383
Coupling (female)	4A	16	5/8"	Internal thread	1" BSP cyl.	550	0.02	148	NBR/PTFE/PU	14508371
Coupling (female)	4A	16	5/8"	Internal thread	3/4" BSP cyl.	550	0.02	148	NBR/PTFE/PU	14508370
Coupling (female)	4A	16	5/8"	Internal thread	3/4" NPT	550	0.02	148	NBR/PTFE/PU	14508372
Coupling (female)	4	19	3/4"	Internal thread	1.5/16-12 UN	500	0.01	200	NBR/PTFE/PU	14508391
Coupling (female)	4	19	3/4"	Internal thread	1" BSP cyl.	500	0.01	200	NBR/PTFE/PU	14508389
Coupling (female)	4	19	3/4"	Internal thread	1" NPT	500	0.01	200	NBR/PTFE/PU	14508390
Coupling (female)	4	19	3/4"	Internal thread	3/4" BSP cyl.	500	0.01	200	NBR/PTFE/PU	14508388
Coupling (female)	5	25	1"	Internal thread	1.1/4" BSP cyl.	470	0.005	378	NBR/PTFE/PU	14508397
Coupling (female)	5	25	1"	Internal thread	1.1/4" NPT	470	0.005	378	NBR/PTFE/PU	14508398
Coupling (female)	5	25	1"	Internal thread	1.5/8-12 UN	470	0.005	378	NBR/PTFE/PU	14508399
Plug (male)	2	10	3/8"	Internal thread	1/2" BSP cyl.	550	0.01	46	NBR/PTFE/POM/PU	14508353
Plug (male)	2	10	3/8"	Internal thread	1/2" NPT	550	0.01	46	NBR/PTFE/POM/PU	14508355
Plug (male)	2	10	3/8"	Internal thread	1/4" BSP cyl.	550	0.01	46	NBR/PTFE/POM/PU	14508351
Plug (male)	2	10	3/8"	Internal thread	3/4-16 UNF	550	0.01	46	NBR/PTFE/POM/PU	14508356
Plug (male)	2	10	3/8"	Internal thread	3/8" BSP cyl.	550	0.01	46	NBR/PTFE/POM/PU	14508352
Plug (male)	2	10	3/8"	Internal thread	3/8" NPT	550	0.01	46	NBR/PTFE/POM/PU	14508354
Plug (male)	3	12.5	1/2"	Internal thread	1.1/16-12 UN	550	0.01	90	NBR/PTFE/POM/PU	14508369
Plug (male)	3	12.5	1/2"	Internal thread	1/2" BSP cyl.	550	0.01	90	NBR/PTFE/POM/PU	14508363
Plug (male)	3	12.5	1/2"	Internal thread	1/2" NPT	550	0.01	90	NBR/PTFE/POM/PU	14508365
Plug (male)	3	12.5	1/2"	Internal thread	3/4" BSP cyl.	550	0.01	90	NBR/PTFE/POM/PU	14508364
Plug (male)	3	12.5	1/2"	Internal thread	3/4" NPT	550	0.01	90	NBR/PTFE/POM/PU	14508366
Plug (male)	3	12.5	1/2"	Internal thread	3/4-16 UNF	550	0.01	90	NBR/PTFE/POM/PU	14508367
Plug (male)	3	12.5	1/2"	Internal thread	7/8-14 UNF	550	0.01	90	NBR/PTFE/POM/PU	14508368
Plug (male)	4A	16	5/8"	Internal thread	1.1/16-12 UN	550	0.02	148	NBR/PTFE/POM/PU	14508387
Plug (male)	4A	16	5/8"	Internal thread	1" BSP cyl.	550	0.02	148	NBR/PTFE/POM/PU	14508385
Plug (male)	4A	16	5/8"	Internal thread	3/4" BSP cyl.	550	0.02	148	NBR/PTFE/POM/PU	14508384
Plug (male)	4A	16	5/8"	Internal thread	3/4" NPT	550	0.02	148	NBR/PTFE/POM/PU	14508386
Plug (male)	4	19	3/4"	Cutting ring connection	20S - M30x2.0	500	0.01	200	NBR/PTFE/POM/PU	14508392
Plug (male)	4	19	3/4"	Internal thread	1.5/16-12 UN	500	0.01	200	NBR/PTFE/POM/PU	14508396
Plug (male)	4	19	3/4"	Internal thread	1" BSP cyl.	500	0.01	200	NBR/PTFE/POM/PU	14508394
Plug (male)	4	19	3/4"	Internal thread	1" NPT	500	0.01	200	NBR/PTFE/POM/PU	14508395

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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)	4	19	3/4"	Internal thread	3/4" BSP cyl.	500	0.01	200	NBR/PTFE/POM/PU	14508393
Plug (male)	5	25	1"	Cutting ring connection	30S - M42x2.0	470	0.005	378	NBR/PTFE/POM/PU	14508400
Plug (male)	5	25	1"	Internal thread	1.1/4" BSP cyl.	470	0.005	378	NBR/PTFE/POM/PU	14508401
Plug (male)	5	25	1"	Internal thread	1.1/4" NPT	470	0.005	378	NBR/PTFE/POM/PU	14508402
Plug (male)	5	25	1"	Internal thread	1.5/8-12 UN	470	0.005	378	NBR/PTFE/POM/PU	14508403

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