

★ Snap-Tite 71 Series - Flush Face/Dry Break Couplings

Featuring...Snap-tite quality with superior pressure and flow characteristics.



The 71 Series couplings are designed for today's applications including special features for modern needs - dry break, push-to-connect, high pressure, rugged & versatile. Extra large flow chambers and Snap-tite's exclusive valve design permit exceptional flow while maintaining low pressure drop.

- **Flush Face/Dry Break** - Air inclusion and fluid loss are held to a minimum to prevent spillage and contamination of systems.
- **Push-to-Connect** - Ideal one-hand operation when one half is mounted. Simply insert the nipple into the coupler and push-to connect. To disconnect, retract the sleeve; and the coupling halves disconnect.
- **Rugged** - Heavy duty construction is ideally suited for high impulse applications.
- **Pressure Capability** - Designed for up to 10,000 psi (690 bar) operating pressures.
- **Versatile** - Available in steel with zinc yellow dichromate plating, 316 stainless steel, as well as other materials. Special seals for troublesome media are available; consult factory for details.
- **Available sizes** - 1/8", 1/4", 3/8", 1/2" 3/4" 1", 1-1/4", 1-1/2" and 2".
- **Superior flow and low pressure drop**
- **Det Norske Veritas certified** for North Sea applications.
- **Sleeve lock** - Designed to provide protection against accidental disconnection.

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PRESSURE RATINGS										
SIZE (INCHES)	SPILLAGE (CC)	AIR INCLUSION (CC)	STEEL				316 STAINLESS STEEL			
			MAX. WORKING		MIN. BURST*		MAX. WORKING		MIN. BURST*	
			PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
1/8"	.12	.02	10,000	690	22,000	1520	N.A.		N.A.	
1/4"	.01	.005	10,000	690	20,000	1380	5,000	345	12,500	865
3/8" x 1/4"	.07	.05	10,000	690	20,000	1380	5,000	345	12,500	865
3/8"	.07	.05	10,000	690	20,000	1380	5,000	345	12,500	865
3/8" x 1/2"	.07	.05	10,000	690	20,000	1380	5,000	345	12,500	865
1/2"	.09	.11	10,000	690	20,000	1380	5,000	345	12,500	865
3/4"	.10	.13	7,500	520	15,000	1035	5,000	345	12,500	865
1"	.20	.40	7,500	520	15,000	1035	4,000	280	10,000	690
1" x 1-1/4" ³	.20	.40	7,500	520	15,000	1035	4,000	280	10,000	690
2" x 1-1/2" ⁴	5.25	30.50	5,000	345	10,000	690	3,000	210	6,000	415
2"	5.25	30.50	5,000	345	10,000	690	3,000	210	6,000	415

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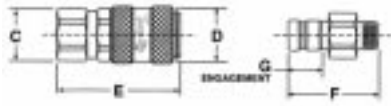
¹Unit is 3/8" with 1/4" end fitting, ²Unit is 3/8" with 1/2" end fitting, ³1" unit with 1-1/4" end fitting, and ⁴2" unit with 1-1/2" end fitting.

***NOTE:** Pressure Ratings were established under static pressure conditions. For high impulse applications, multiply the above pressure ratings by .6 for approximate pressure ratings.

CATALOGUE

TECHNICAL AND DIMENSIONAL INFORMATION

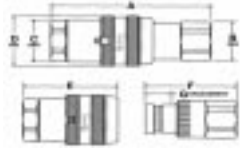
1/8"††



SIZE	A†	B(HEX)*	C(HEX)*	D(DIA)	E	F	G
1/8"	2.71	.69	.81	.94	1.75	1.55	.59
(mm)	(68.83)	(17.53)	(20.57)	(23.88)	(44.45)	(39.37)	(14.99)
1/8" x 1/4"	3.04	.69	.81	.94	2.12	1.51	.59
(mm)	(77.22)	(17.53)	(20.57)	(23.88)	(53.85)	(38.35)	(14.99)

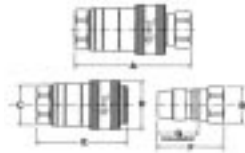
† Connected length

1/4 thru 1-1/4"††



SIZE	A	B(HEX)*	C(HEX)*	D(DIA)	E	F	G
1/4"	3.27	0.81	0.94	1.19	1.96	1.84	0.53
(mm)	(83.06)	(20.57)	(23.88)	(30.23)	(49.78)	(46.74)	(13.46)
3/8"	4.00	1.00	1.19	1.56	2.36	2.32	0.68
(mm)	(101.60)	(25.40)	(30.23)	(39.62)	(59.95)	(58.93)	(17.27)
1/2"	4.43	1.50	1.50	1.88	2.77	2.38	0.72
(mm)	(112.52)	(38.10)	(38.10)	(47.75)	(70.36)	(60.45)	(18.29)
3/4"	5.13	1.75	1.75	2.25	3.05	2.96	0.88
(mm)	(130.30)	(44.45)	(44.45)	(57.15)	(77.47)	(75.18)	(22.35)
1"	5.60	1.88	2.25	2.63	3.32	3.23	0.95
(mm)	(142.24)	(47.75)	(57.15)	(66.80)	(84.33)	(82.04)	(24.13)
1-1/4"	6.22	2.00	2.25	2.63	3.67	3.50	0.95
(mm)	(157.99)	(50.80)	(57.15)	(66.80)	(93.22)	(88.90)	(24.13)

1-1/2" & 2"††



SIZE	A	B(HEX)*	C(HEX)*	D(DIA)	E	F	G
1-1/2"	7.60	3.25	3.38	4.50	6.21	4.50	3.21
(mm)	(193.04)	(82.55)	(85.85)	(114.30)	(157.73)	(114.30)	(81.53)
2"	7.60	3.25	3.38	4.50	6.21	4.65	3.21
(mm)	(193.04)	(82.55)	(85.85)	(114.30)	(157.73)	(118.20)	(81.53)

*Hex dimensions are taken from flat of hex and not across corners. Hex may be substituted with round stock. Hex column would then indicate dimensions taken across wrench flats.

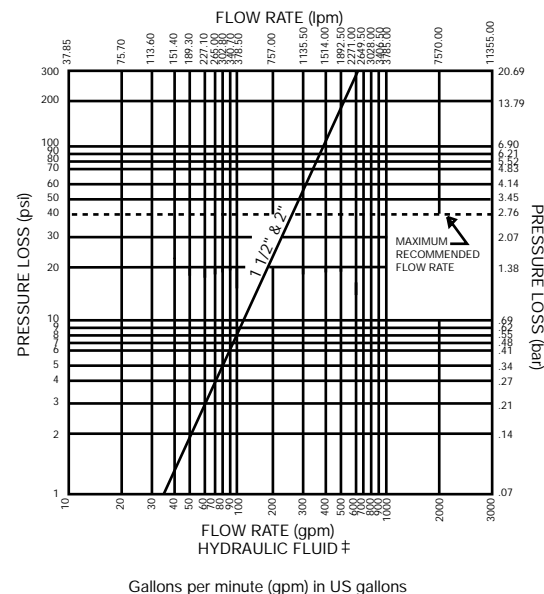
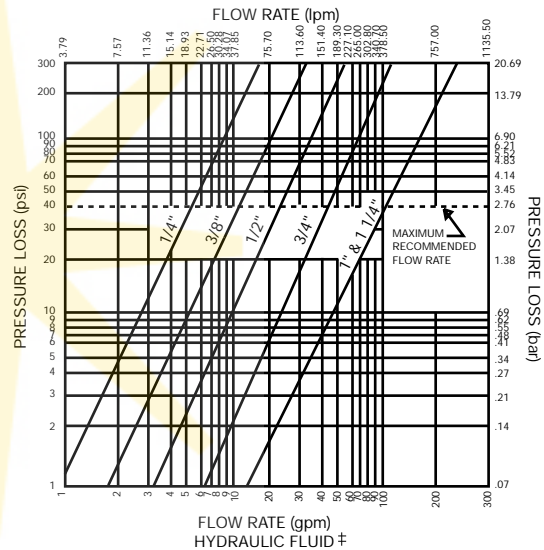
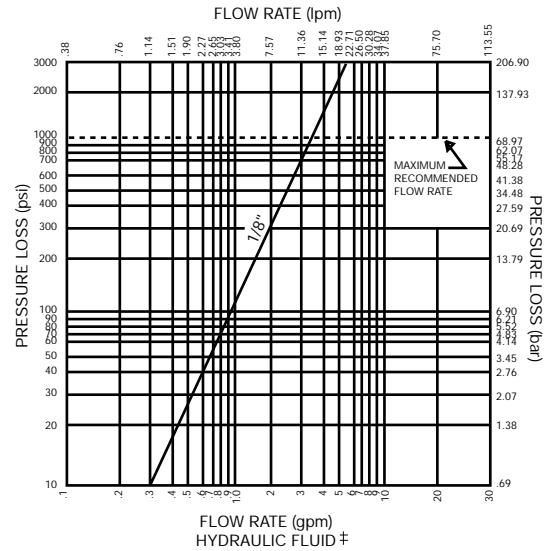
Decimal dimensions are ± .06 in. (1.5mm)

Dimensions are subject to change without notice.

Part configurations are typical and do not necessary represent actual appearance.

†† Test Media MIL-H-6083 Hydraulic Fluid at 90°F ±5°F (32°C ±1.5°C) sg .83
Note 1/4" thru 1-1/4" are flush face couplings. 1/8", 1-1/2" & 2" maintain a recessed face on coupler half.

FLOW CHARTS



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HOW TO ORDER

Part No. 71-3 C 4- 4 F							
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type		Options
No letter Steel, plated S 316 Stainless Steel SH Nitronic/316 Stainless Steel	71 (1/8") (1-1/2" & 2" nipples) 71-1 (1-1/2" & 2" couplers) 71-3 (1/4" thru 1-1/4")	C Coupler N Nipple	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 32 = 2"	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2" 32 = 2"	F* Female NPTF M† Male NPT EF Female SAE RP Female British Parallel BS2779	4AB** 1/4" SST Tube Double Ferrule 6AB** 3/8" SST Tube Double Ferrule	Std. seal is Buna V = Viton E = Ethylene Propylene Rubber SL Sleeve Lock

- * For sizes up to 1" NPTF threads in steel.
For sizes up to 1" NPSF threads in stainless steel.
For sizes over 1" NPT threads.
- † Available on 1/8" coupling sizes only.
- ** Available for 1/4" stainless steel units only.

NOTES:

- The new 71-3 style couplers and nipples are interchangeable with old-style couplers and nipples in sizes 3/8", 1/2" and 3/4".
- Old style 1" couplers and nipples (71-2C16 and 71-2N16) are not interchangeable with new 71-3 style. Old style may be special ordered from the factory if interchangeability is an issue.
- High pressure stainless steel units (SH71) are available. They are manufactured from a combination of Nitronic and 316 stainless steel. Consult factory.
- Spare parts kits are available for all styles in sizes 1/4" through 2".

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MAXIMUM RECOMMENDED CONNECT/DISCONNECT PRESSURES		
SIZE	PRESSURE	
	PSI	BAR
1/4"	300	21
3/8", 1/2", 3/4"	150	11
1, 1-1/4"	75	5
1-1/2", 2"	0	0

PLASTIC DUST CAPS				
	COUPLER DUST CAP		NIPPLE DUST CAP	
Size	71-1 & 71-2 Style	71-3 Style	71-1 & 71-2 Style	71-3 Style
1/8"	N/A	N/A	71PNC-2	N/A
1/4"	N/A	71-3PCC-4	N/A	71-3PNC-4
3/8"	71PCC-6	71-3PCC-6	71PNC-6	71-3PNC-6
1/2"	71PCC-8	71-3PCC-8	71PNC-8	71-3PNC-8
3/4"	71PCC-12	71-3PCC-12	71PNC-12	71-3PNC-12
1"	71PCC-16	71-3PCC-16	71PNC-16	71-3PNC-16

! WARNING !

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The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Snap-tite, Inc. and its subsidiaries at any time without notice.

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