

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

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



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.
- **Available with Autoclave cone and threaded fittings** — Consult factory

PRESSURE RATINGS

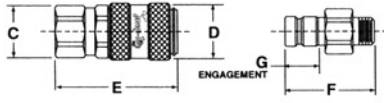
SIZE (INCHES)	SPILLAGE (CC)	AIR INCLUSION (CC)	STEEL				316 STAINLESS STEEL				HIGH PRESSURE 316 STAINLESS STEEL			
			MAX. WORKING		MIN. BURST*		MAX. WORKING		MIN. BURST*		MAX. WORKING		MIN. BURST*	
			PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
1/8"	.12	.02	10,000	690	22,000	1520	N/A		N/A		N/A		N/A	
1/4"	.02	.01	10,000	690	20,000	1380	5,000	345	12,500	865	10,000	690	20,000	1380
3/8" x 1/4" ¹	.02	.02	10,000	690	20,000	1380	5,000	345	12,500	865	10,000	690	20,000	1380
3/8"	.02	.02	10,000	690	20,000	1380	5,000	345	12,500	865	10,000	690	20,000	1380
3/8" x 1/2" ²	.02	.02	10,000	690	20,000	1380	5,000	345	12,500	865	10,000	690	20,000	1380
1/2"	.03	.03	10,000	690	20,000	1380	5,000	345	12,500	865	10,000	690	20,000	1380
3/4"	.06	.04	7,500	520	15,000	1035	5,000	345	12,500	865	7,500	520	15,000	1035
1"	.10	.06	7,500	520	15,000	1035	4,000	280	10,000	690	7,500	520	15,000	1035
1" x 1-1/4" ³	.10	.06	7,500	520	15,000	1035	4,000	280	10,000	690	7,500	520	15,000	1035
2" x 1-1/2" ⁴	5.25	30.50	5,000	345	10,000	690	3,000	210	6,000	415	C.F.		C.F.	
2"	5.25	30.50	5,000	345	10,000	690	3,000	210	6,000	415	C.F.		C.F.	

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

TECHNICAL AND DIMENSIONAL INFORMATION

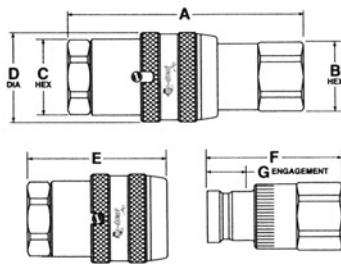
1/8" ††



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

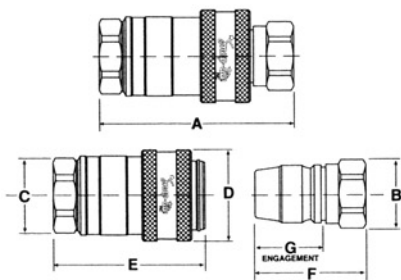
† Connected length.

1/4" thru 1-1/4" ††



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

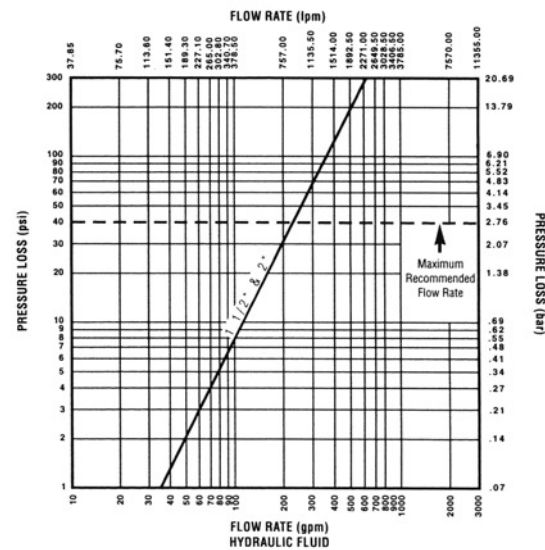
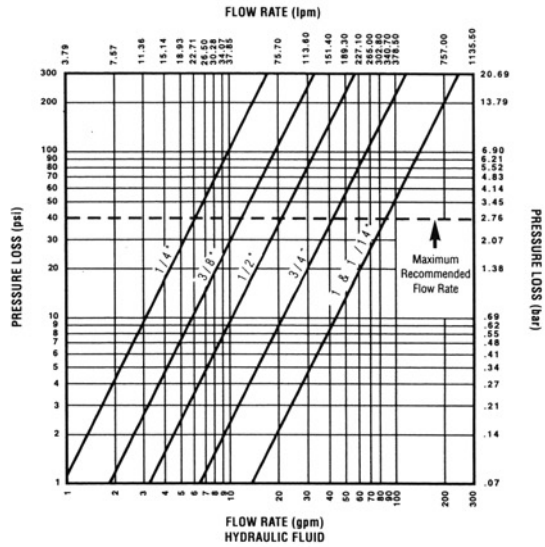
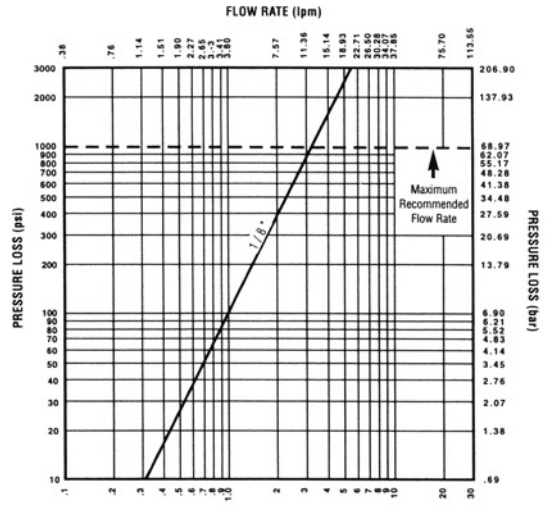
1-1/2" & 2" ††



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



Gallons per minute (gpm) in US gallons

HOW TO ORDER

Part No. 71-3 C 4- 4 F								
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type		Seals	Options
No letter Steel, plated S 316 Stainless Steel SH High Pressure 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* 4AB** Female 1/4" SST NPTF Tube M† Double Male NPT Ferrule EF 6AB** Female 3/8" SST SAE Tube RP Double Female Ferrule British Autoclave Parallel cone & threaded BS2779 fittings available (consult factory)		Std. seal is Buna V= Viton E= Ethylene Propylene Rubber M= MIL-H-5606	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:

1. 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".
2. 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.
3. Spare parts kits are available for all styles in sizes 1/4" and 2".

MAXIMUM RECOMMENDED CONNECT/DISCONNECT PRESSURES

SIZE	PRESSURE	
	PSI	BAR
1/8", 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

Size	COUPLER DUST CAP		NIPPLE DUST CAP	
	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 !

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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