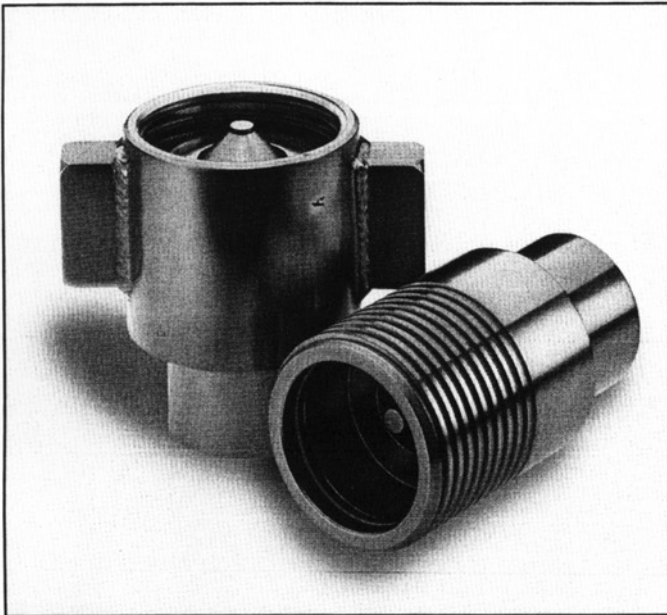


★ Snap-tite 75 Series -- Thread-to-Connect Couplings

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



- **Connect under Pressure** — Designed for up to 5,000 psi (345 bar) operating pressures.
- **Thread-to-Connect** — To connect, merely thread the nipple into the coupler. To disconnect just unthread.
- **Rugged** — Steel construction, with zinc yellow dichromate plating to resist corrosion.
- **Seals** — Choice of seal materials to handle a variety of fluids including applications involving the use of fire-resistant hydraulic fluids.
- **Available sizes** — 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", and 4".
- **Superior flow and low pressure drop**
- **Valves close before disconnection** — Valves are designed to shut off automatically under normal conditions in both the coupler and nipple halves when the unit is being disconnected.
- **Det Norske Veritas Certified**

The very rugged 75 Series is designed and constructed for high pressure hydraulic service. Although these couplings are used in a broad variety of heavy duty applications, a primary usage is in oil fields and offshore drilling ... cranes, power tongs and swivels, diving, etc.

PRESSURE RATINGS						
SIZE	SPILLAGE (cc)	AIR INCLUSION (cc)	MAXIMUM WORKING*		MINIMUM BURST	
			PSI	BAR	PSI	BAR
3/4"	8	12	5,000	345	20,000	1380
1"	16	25	5,000	345	20,000	1380
1-1/4"	31	48	5,000	345	15,000	1035
1-1/2"	64	98	5,000	345	15,000	1035
2"	141	205	5,000	345	15,000	1035
2-1/2"	204	368	3,000	210	6,000	415
3"	320	480	3,000	210	6,000	415
4"	400	610	400	30	1,000	70

Burst pressures listed were taken at the point at which failure rendered the quick-disconnect inoperative. (Proof pressure equals 1-1/2 times the operating pressure.)

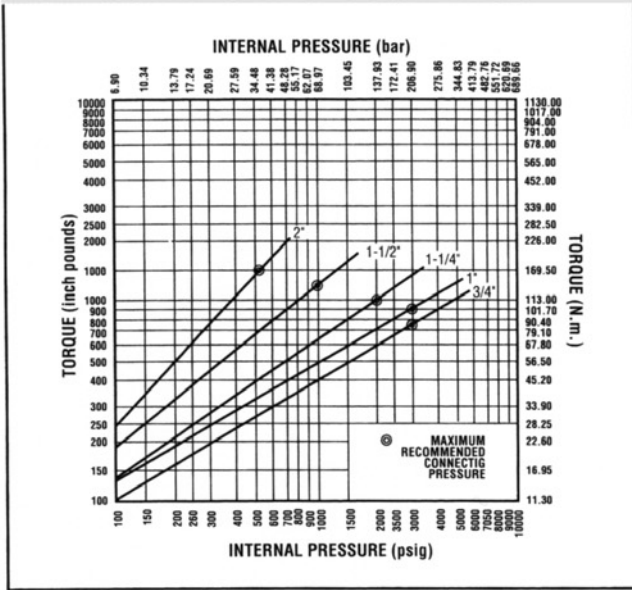
NOTE: Pressure Ratings were established under static pressure conditions.

For impulse applications, multiply the above pressure ratings by .6 for approximate pressure ratings.

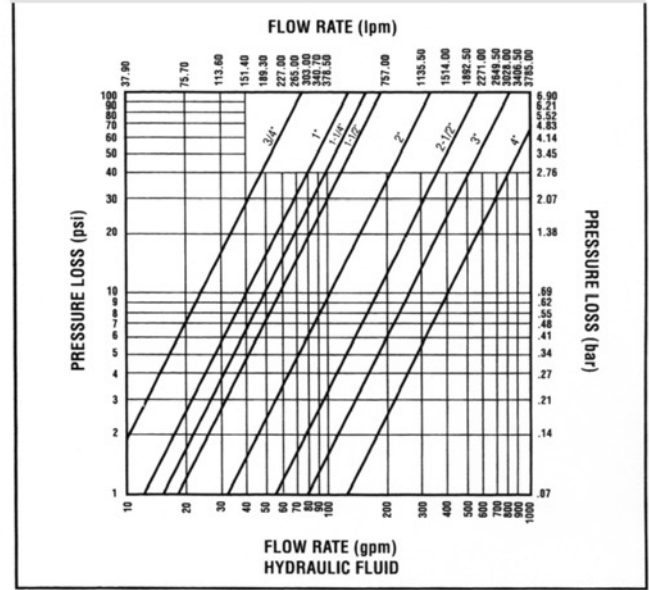
NOTE: For working pressure of 316 SST units, multiply the above pressure ratings by .33 for approximate pressure ratings.

TECHNICAL AND DIMENSIONAL INFORMATION

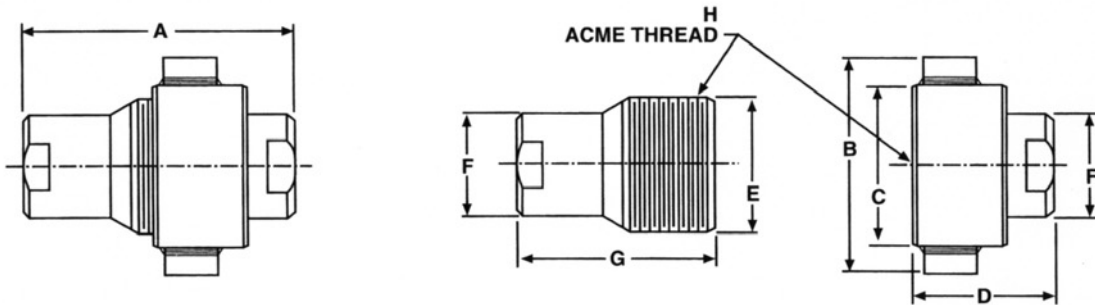
TORQUE VALUES FOR CONNECTING COUPLINGS



FLOW CHART



3/4" THRU 4"



SIZE		A	B	C (DIA)	D	E (DIA)	F (DIA)	G	ACME H
3/4	in	4.85		1.87*	2.84	1.75	1.35	3.27	1-3/4"-8
	mm	123.19		47.50*	72.14	44.45	34.29	83.06	
1	in	6.04	4.25	2.75	3.45	2.25	1.77	4.17	2-1/4"-6
	mm	153.32	107.95	69.85	87.63	57.15	44.96	105.92	
1-1/4	in	7.76	4.75	3.25	4.40	2.62	2.14	5.36	2-5/8"-6
	mm	197.10	120.65	82.55	111.76	66.55	54.36	136.14	
1-1/2	in	8.70	5.75	3.75	5.04	3.24	2.50 †	5.97	3-1/4"-4
	mm	220.98	146.05	95.25	128.02	82.30	63.50	151.64	
2	in	10.05	6.75	4.75	6.07	4.00	3.25	7.05	4"-4
	mm	255.27	171.45	120.65	154.18	101.60	82.55	179.07	
2-1/2	in	10.13	8.00	6.00	5.29	5.00	3.38	7.46	5"-4
	mm	257.30	203.20	152.40	134.37	127.00	85.85	189.48	
3	in	10.58	8.50	6.50	5.84	6.00	4.25	8.26	6"-4
	mm	268.73	215.90	165.10	148.34	152.40	107.95	209.80	
4	in	12.36	11.00	7.00	7.11	6.63	5.25	9.40	6-5/8"-4
	mm	313.94	279.40	177.80	180.59	168.40	133.35	238.76	

*Hex dimensions are taken from flat of hex and not across corners.
 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

HOW TO ORDER

<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Part No.</td> <td style="padding: 2px;">75</td> <td style="padding: 2px;">C</td> <td style="padding: 2px;">12</td> <td style="padding: 2px;">-12</td> <td style="padding: 2px;">F</td> <td style="padding: 2px;"></td> </tr> </table>							Part No.	75	C	12	-12	F	
Part No.	75	C	12	-12	F								
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seals							
No letter Steel, plated S 316 Stainless steel	75	C coupler N nipple	12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2" 32 = 2" 40 = 2-1/2" 48 = 3" 64 = 4"	12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2" 32 = 2" 40 = 2-1/2" 48 = 3" 64 = 4"	F* Female NPSF EF Female SAE RP Female British Parallel BS2779	Std. Seal is Buna V=Viton E= Ethylene Propylene Rubber							

* For sizes up to 1" NPSF Threads. For sizes over 1" NPT Threads.

DUST PLUGS AND CAPS

SIZE	DUST PLUG	DUST CAP
3/4"	75MDP-12	75MDC-12
1"	75MDP-16	75MDC-16
1-1/4"	75MDP-20	75MDC-20
1-1/2"	75MDP-24	75MDC-24
2"	75MDP-32	75MDC-32
2-1/2"	75MDP-40	75MDC-40
4"	75MDP-64	75MDC-64

SPARE PARTS KITS

SIZE	COUPLER KIT	NIPPLE KIT
3/4"	75C12-SPK	75N12-SPK
1"	75C16-SPK	75N16-SPK
1-1/4"	75C20-SPK	75N20-SPK
1-1/2"	75C24-SPK	75N24-SPK
2"	75C32-SPK	75N32-SPK
2-1/2"	75C40-SPK	75N40-SPK
4"	75C64-SPK	75N64-SPK

Each kit contains a valve assembly, spring and guide stop.

! 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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