

# ★ Snap-tite 74 Series - Flush Face Hydraulic Coupling

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



- High flow - minimal  $\Delta p$
- Flush face dry break design
- High strength steel construction for 3,000 psi (210 bar) system pressures
- Heavy duty zinc clear dichromate plating for exceptional corrosion resistance
- Two piece design allows for various end fittings
- Positive valve stops to prevent flow checking; allows bi-directional flow
- Tapered sleeve
- Sleeve lock feature eliminates accidental disconnection
- 4:1 Safety factor

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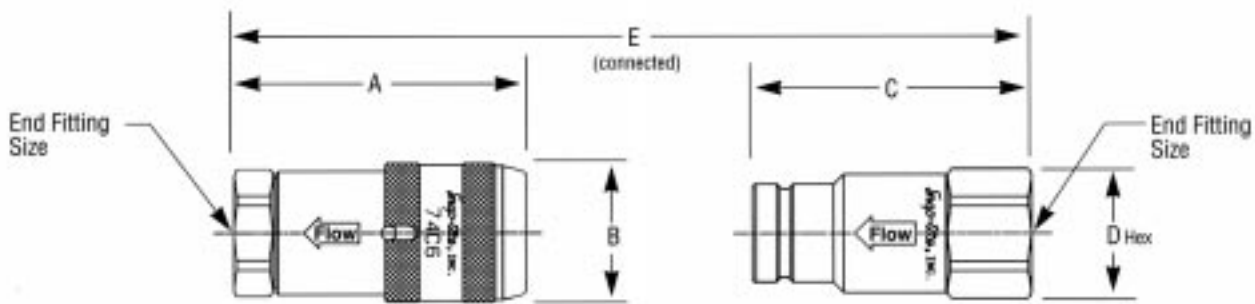
Snap-tite 74 Series Flush Face Hydraulic Couplings are designed to meet or exceed all of the requirements as established by HTMA specifications and defined by ANSI/NFPA T3.20.15-1991. High strength steel construction and quality assured by strict adherence to SPC standards combine to make the Snap-tite 74 Series an excellent choice for hydraulic systems up to 3,000 psi (210 bar). Durability, reliability and concern for the environment were considered when designing Snap-tite's 74 Series coupling featuring one hand, push-to-connect and disconnect convenience.

There are no cavities to collect contamination and the flush face feature makes it easy to clean prior to connection. Convenient one hand operation allows you to connect by pushing the two halves together until the locking sleeve snaps forward. The possibility of accidental disconnection is eliminated by rotating the sleeve, thus activating the sleeve lock feature. To disconnect, rotate the sleeve to line up the slot and ball and pull sleeve back until the unit disconnects. The two piece design allows for various end fittings.

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**T2000**

TECHNICAL AND DIMENSIONAL INFORMATION



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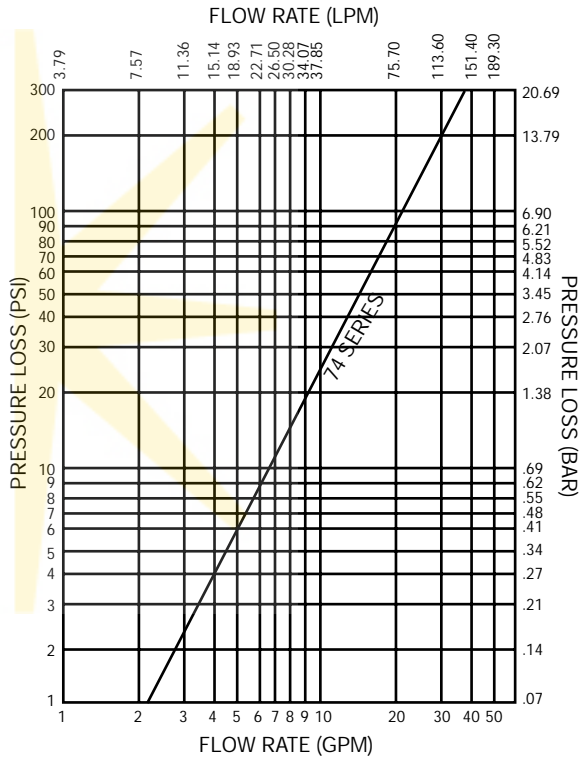
END FITTING SIZE				
	3/8"		1/2"	
	INCH	MM	INCH	MM
A	2.44	61.98	2.78	70.61
B	1.20	30.48	1.20	30.48
C	2.21	56.13	2.55	64.77
D	15/16	23.81	1.00	25.40
E	4.05	102.87	4.74	120.40

HOW TO ORDER

Part No.	74	C	6-	6	F
Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	
74	C Coupler N Nipple	6 = 3/8"	6 = 3/8" 8 = 1/2"	F Female NPTF RF Female British Parallel BS2779	

DUST PLUG	DUST CAP
74PCC-6	74PNC-6

FLOW CHART



PERFORMANCE INFORMATION

ATTRIBUTES	ANSI/NFPA T3.20.15-1991	74 SERIES
Rated operating pressure:	2,500 psi (175 bar)	3,000 psi (210 bar)
Rated static pressure:	5,000 psi (345 bar)	5,000 psi (345 bar)
Rated flow:	10 GPM (37.8 L/min)	10 GPM (37.8 L/min)
Pressure drop $\Delta P$ : Maximum at rated flow fluid used must have a kinematic viscosity of 200 SUS (43 centistokes)	25 psi (1.72 bar)	20 psi (1.40 bar)
Fluid loss: Maximum per disconnection	.002 in <sup>3</sup> (.033 mL)	.0018 in <sup>3</sup> (.0295 mL)
Force to connect: Maximum at 250 psi (17.2 bar)	150 lbs. (667N)	87 lbs. (387N)
Force to disconnect: Maximum at 250 psi (17.2 bar)	30 lbs. (133.4N)	25 lbs. (111.2N)
Rated surge flow:	30 GPM (113.5 L/min)	30 GPM (113.5 L/min)
Connect under pressure:	500 psi (35 bar)	500 psi (35 bar)
Male half: Maximum	1,000 psi (70 bar)	1,000 psi (70 bar)
Female half: Maximum		

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