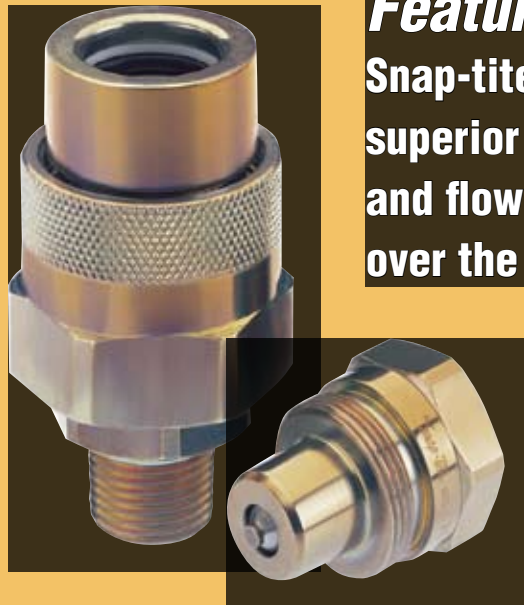




# HYDRAULIC COUPLINGS 76 SERIES



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

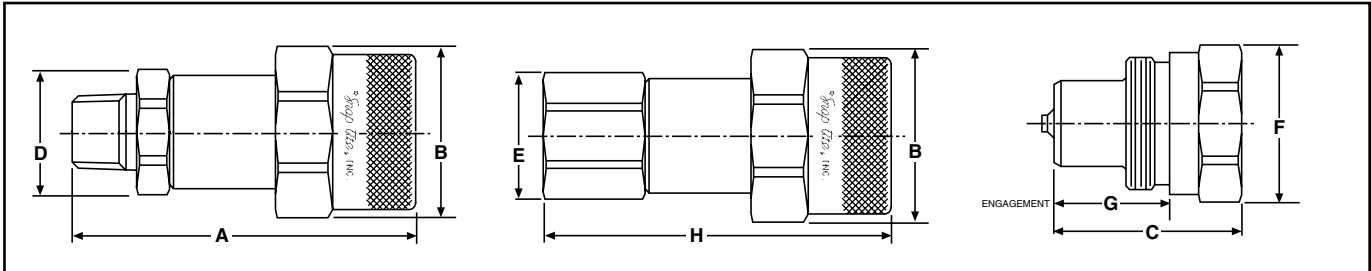
- ***High strength soft seat poppet valves insure zero leakage and higher flow rates than commonly used metal-to-metal sealing ball design***
- ***Heavy duty steel construction with Zinc Trivalent Chromate plating<sup>†</sup> for excellent corrosion resistance***
- ***Working pressures up to 14,500 psi (1,000 bar)***
- ***Available in 1/4" and 3/8" sizes***
- ***The specially designed threaded sleeve has knurling at the front to facilitate connection by hand. The hex at the back allows connection with the use of a wrench***
- ***The couplings are available with male NPT, female NPSF or female British parallel BS2779 end fittings. The nipples are available with female NPSF or female British parallel BS2779 end fittings. Other end fittings are available, consult factory***

<sup>†</sup>Conforms with ROHS and WEEE European Union Directives

**Snap-tite**

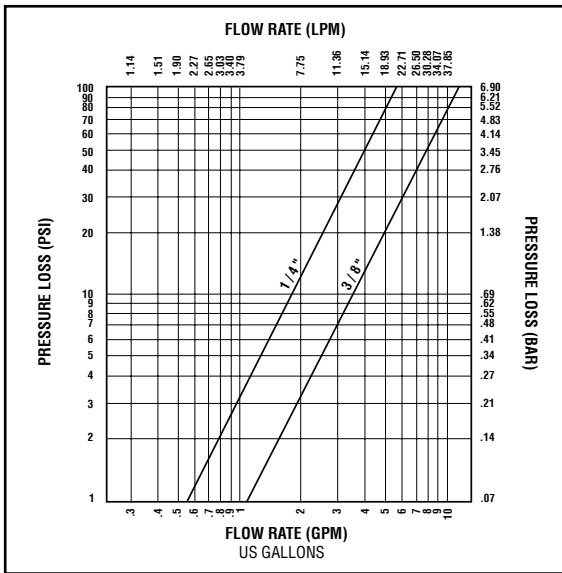
*The Snap-tite 76 Series Thread-to-Connect Hydraulic Coupling was created for high pressure extreme applications such as are found on hydraulic rams, pumps, bolt tensioners and rescue equipment. The 76 Series is designed to interchange with a number of competitive coupling products such as Parker 3000, Faster PVVM, Enerpac C-604 and others of similar construction. This coupling has the ability to connect and disconnect under pressure while exceeding most competitor's maximum pressure specifications.*

## TECHNICAL AND DIMENSIONAL INFORMATION



SIZE	A		B (Hex)		C		D		E (Hex)		F (Hex)		G (Engagement)		H	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
1/4"	2.60	66.04	1.250	31.70	1.39	35.30	.96	24.30	0.875	22.20	1.00	25.40	.72	18.20	2.55	64.70
3/8"	2.97	75.40	1.375	34.90	1.62	41.40	1.10	27.90	1.00	25.40	1.25	31.80	.99	25.10	3.01	76.50

### FLOW CHART



### PERFORMANCE

	1/4"	3/8"
Maximum Working Pressure (bar)	14,500 psi (1000)	14,500 psi (1000)
Minimum Burst Pressure (bar)	29,000 psi (2000)	29,000 psi (2000)
Torque to connect at 500 psi (35 bar)	20 in. lb. (0.23 kg.m.)	60 in. lb. (07 kg.m.)
Spillage upon disconnect at 15 psi (1 bar)	0.80 cc	0.95 cc

### HOW TO ORDER

PART NO. **76** **C** **6** - **6** **F**

Series	Coupling Half	Coupling Size	End Fitting Type	End Fitting Type
<b>76</b>	<b>C</b> Coupler <b>N</b> Nipple	<b>4</b> = 1/4" <b>6</b> = 3/8"	<b>4</b> = 1/4" <b>6</b> = 3/8"	<b>F</b> Female NPSF  <b>RP</b> Female British Parallel BS2779  <b>M*</b> Male NPT *Available on coupler only

### ACCESSORIES\*

SIZE	DUST PLUG	DUST CAP
1/4"	76MDP-4	76MDC-4
3/8"	76MDP-6	76MDC-6

\*Dust caps and dust plugs are manufactured from plated carbon steel

Standard seal is Buna N (Code A). For other seal materials, consult factory.

### ! 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/OR PROPERTY DAMAGE.

*This document and other information from Snap-tite, Inc., its subsidiaries and authorized distributors, provides product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operation conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met. 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.*



**Quick Disconnect & Valve Division**  
201 Titusville Road  
Union City, Pennsylvania 16438-8699 USA  
PH: 814-438-3821 FAX: 814-438-3069  
e-mail: [qd&v\\_sales@snap-tite.com](mailto:qd&v_sales@snap-tite.com)  
[www.snap-tite.com](http://www.snap-tite.com)



Industrial Estate  
Whitemill - Wexford  
Republic of Ireland  
PH: 353 53 914 1566 FAX: 353 53 914 1582  
e-mail: [ste\\_sales@snap-tite.com](mailto:ste_sales@snap-tite.com)  
[www.snap-tite.com](http://www.snap-tite.com)

美国Snap-Tite授权代理商:

信德迈科技(北京)有限公司 CNMEC Technology  
地址:北京市朝阳区胜古中路2号金基业大厦201室  
电话:010-8428 2935,8428 3983,139.109.62635  
[Http://www.cnmec.biz](http://www.cnmec.biz) E-mail:[sales@cnmec.biz](mailto:sales@cnmec.biz)  
传真:010-8428 8762

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