



# THREAD TO CONNECT COUPLINGS **78 SERIES**

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

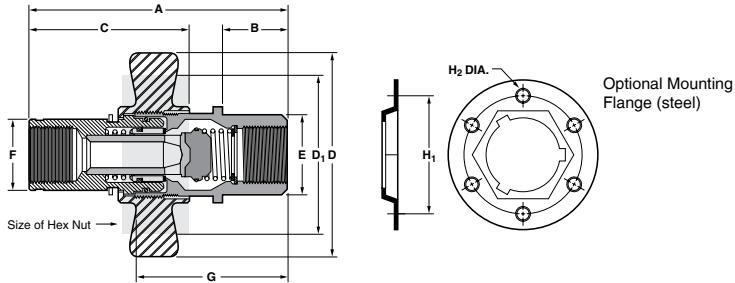


- *Interchangeable with Aeroquip 5100 Series and Parker 6100 Series*
- *Heavy duty wing nut or hex nut for easy connection of threaded units*
- *Dry-break design connects under full operating pressure of 3000 psi (207 bar) keeping spillage to a minimum*
- *4,500 psig (310 bar) proof pressure*
- *Sizes 3/4", 3/4" x 1/2", 1", 1-1/4" and 1-1/2"*

Snap-tite's heavy duty 78 Series Thread-to-Connect Couplings are designed for most industrial fluid applications plus they are ideal for hydraulic de-watering pumps, oil well equipment, hydraulic dump trucks and sand and salt spreaders requiring a rugged coupling. The 78 Series dry break features minimal spillage and air inclusion. The couplings connect under full operating pressure. For bulkhead mounting a steel flange is available. The 78 Series offers up to 3,000 psig (207 bar) operating pressure, in both connected and disconnected.

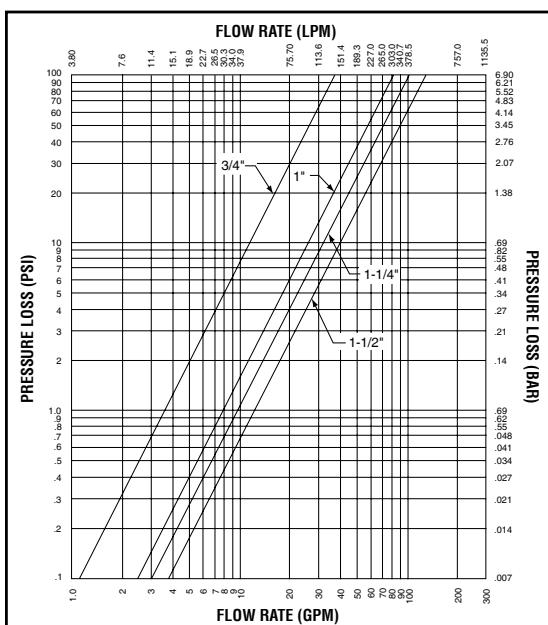
 **Snap-tite**

## TECHNICAL AND DIMENSIONAL INFORMATION



SIZE	A		B		C		D		D <sub>1</sub> (HEX)		E		F		G		H <sub>1</sub>		H <sub>2</sub>	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
3/4"	5.02	127.51	1.66	42.26	2.93	74.42	4.10	104.14	1-3/4	44.45	1.44	36.58	1.25	31.75	3.11	79.00	2.13	54.10	.201	5.11
1"	5.45	138.43	1.38	35.05	3.44	87.38	4.50	114.30	2-1/8	53.98	1.74	44.20	1.57	39.88	3.24	82.30	2.38	60.45	.201	5.11
1-1/4"	6.28	159.51	1.78	45.21	3.92	99.57	5.23	132.84	2-1/2	63.50	2.08	52.83	1.89	48.00	3.73	94.74	2.63	66.80	.201	5.11
1-1/2"	6.54	166.12	1.63	46.40	4.09	103.89	5.25	133.35	2-3/4	69.85	2.45	62.23	2.18	55.37	4.13	104.90	3.25	82.55	.281	7.14

### FLOW CHART



### PRESSURE RATINGS

SIZE	OPERATING PRESSURE*- BRASS		AIR INCLUSION cc MAXIMUM	SPILLAGE cc MAXIMUM
	PSI	BAR		
3/4"	3000	207	.30	.15
1"	3000	207	.40	.40
1-1/4"	2750	190	.65	.65
1-1/2"	2550	172	.80	.85

\* Pressure ratings for connected or disconnected modes.  
For excessive flow and surge conditions, consult factory before specifying.

### HOW TO ORDER

PART NO.	B	78	H	C	12-	12	F	
Material	Series	Sleeve Configuration*	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Nipple Flange*	
B Brass	78	No Letter for wing nut H Hex Nut *Coupler only	C Coupler N Nipple	12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2"	8 <sup>†</sup> = 1/2" 12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2"	F Female NPTF RP Female British Parallel BS2779	WF With Flange *Nipple only	

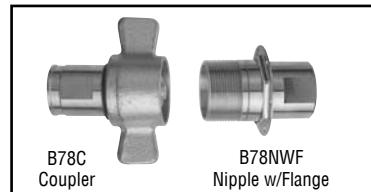
<sup>†</sup>Available in 1/2" Female NPTF only

### ACCESSORIES\*

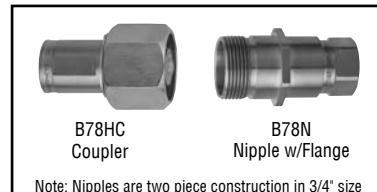
SIZE	PROTECTIVE CAP	PROTECTIVE PLUG	MOUNTING FLANGE
1/4"	78DC-12	78DP-12	78F-12
1"	78DC-16	78DP-16	78F-16
1-1/4"	78DC-20	78DP-20	78F-20
1-1/2"	78DC-24	78DP-24	78F-24

\*All accessories are manufactured from carbon steel.

### 78 SERIES WITH WING NUT ASSEMBLY



### 78 SERIES WITH HEX NUT ASSEMBLY



Note: Nipples are two piece construction in 3/4" size

### ! 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.

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**Snap-tite**  
COMPONENTS, INC.

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