



**PRODUCT LINE SUMMARY
THRUSTERS (SF SERIES)**

January 2004

Page 1

Thruster Model No.	Part No.	Thread Size		Assembly		Load - Lbs		Weight - Lbs		Cartridge	Remarks
		Load	Mounting	Body Dia Max	Length Max	Tension	Thrust Peak	Assy, Cart, & Conn	Assy Only		
SF1000-S		V-notched piston end	--	1.00 dia body	5.94	Aluminum shear pin	500-1,800	--	.49	PC Series	Gas containing Captive Piston All aluminum assy. single adapter
SF1000 S	936933					--	--			--	
SF1000-4	936764										
SF1001-4											
SF1002-8	9361050					10,000	3,000 (Ave)			PC41	
SF1002-8		1/2-20UNF-3A	Swivel bearing mount	1.87	9.42	10,000 Ball detent release	3,000 Average	2.93	--		Gas containing captive piston Side cartridge port
SF1003-8		1/2-20UNF-3A	1 3/8-24UNF-3A special	1.63	7.12	10,000 Ball detent release	600-1,200	2.65	--		Gas containing captive piston
SF1003-8	9361051					10,000	300-200 (Ave)			PC24	
SF1004-8						5,000	5,000 (Max)			5/8-18 UNF	
SF2000-4	936421										
SF2000-6	936696	3/8-24UNF-3B	7/8-12UNF-3A	1.00	2.16	6,000-7,000 Steel shear pin	10,000-12,500 7,000-8,500	.42	--	PC10 or PC12	Free piston
SF2000-8	936686	8-32NC-3B	1/2-20UNF-3A	.625	1.84	1000 Steel shear pin	1,200-2,500	.13	.07	PC12 – PC32 series	Free piston
SF2000-08	936686	8-32NC-3B	9/14-18UNF-3A LH	.562 dia .68 hex	1.67	1000 Steel shear pin	1,000-1,500	.14	.08	PC15	Free piston
SF2000-010	936682					1,000	--		.074	PC12-PC32 series	
SF2002-4	936400	T, part of base									
SF2004-4	936636										
SF2004-6	936699					7,000-6,000	--		.33	3/8-24UNF	
SF2004-08	936687					850-750	1,300-1,000		.11	PC15	
SF2004-010	936470					850-750	1,300-1,000		.12	PC15	
SF-2006-4	936801	1/4-28UNF-3B	3/4-16UNF-3A	.75	2.28	185-215 Aluminum shear pin	250-325	.14	.08	PC30	Free piston All aluminum assy.
SF-2006Y-4	936801	1/4-28UNF-3B	3/4-16UNF-3A	.75	2.62 with adapter	600-700 Steel shear pin	2,500-2,850	.44	.33	PC32 (2)	Free piston. Y-adapter.
SF2007-4	936946										



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Page 2

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		Load	Mounting	Body Dia Max	Length Max	Tension	Thrust Peak	Assy, Cart, & Conn	Assy Only		
SF2007S-6						640-560	--		.25	Series Min. PC32	
SF2007Y-6						640-560	--		.32	Series Min. PC32	
SF2008-4											
SF2009-4											
SF2010						8,000	--			PC10	
SF2012-4		1/4-28UNF-3B	2 Mounting flanges	--	.75 x 1.06 x 1.37	185-215 Aluminum shear pin	400-700	--	.11		Free piston. Right angle drive. All aluminum assy.
SF2013-4		1/4-28UNF-3B	3/4-16UNF-3A	.75 dia. 1.00 hex	1.92	1,350-1,600 Aluminum shear pin	2,500-3,500	--	.32	PC24	Free piston
SF2014		2" Dia Flange	3/4-16UNF-3A stud	1.6 hex	7.57	3,000 Steel shear pin	5,000-8,500	--	--	PC10	Free piston Side cartridge port 1-3/4" piston stroke
SF2014	9361028					3,000	--			PC10	
SF2015-08	9361038	8-32NC-3B	1/2-20UNF-3A	.625	1.76	200-250 Aluminum shear pin	300-400	.13	.07	PC12 & PC30 Series	Free piston
SF2015-10		10-32NC-3B	1/2-20UNF-3A	.625	1.84	1000 Steel shear pin	1,200-2,500	.13	.07	PC Series	Free piston
SF2016-4		1/4-28UNF-3B	3/4-16UNF-3A	.75 dia 1.00 hex	1.92	3,500 Steel Shear Pin	5,000-8,500 4,000-6,000	--	.33	PC10 PC29	Free piston
SF2019-4		1/4-28UNF-3B	3/4-16UNF-3A	.75 hex	1.75	270-330 Aluminum shear pin	355-550	--	.08	PC36	Free piston. Mounts to customer adapter. All aluminum assy.
SF2021-4		1/4-28UNF-3B	7/8-14UNF-3A	.87	1.63	5,000 Ball detent release	300-2,500	--	.20	PC Series	Free piston



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Page 3

SALES NUMBER IDENTIFICATION

SF2000Y - 4

Dash number behind letter indicates thread size for load attachment in 1/16-inch increments

Letter designates type of power cartridge adapter:

- S Single power cartridge
- Y Y shaped dual power cartridges
- T T shaped dual power cartridges
- P Parallel shaped power cartridge

No letter – power cartridge threads directly into unit housing

Third & fourth Digits designate model variation

First Digit - Thruster Model Identification:

- 1 Contained piston
- 2 Free piston
- 3 Dual thrust contained
- 4 Dual thrust combination