

S56 SERIES

VERSATILE HYDRAULIC & FLUID TRANSFER COUPLINGS

SafeWay's S56 Series is a general purpose, double shut-off quick coupling capable of containing a wide variety of fluids. This series can be found anywhere a dependable connection and disconnection of a fluid transfer line is required. Rugged construction and low pressure drop make this series ideal for a variety of applications including plant maintenance equipment, skid steer loaders, snow plows, mining, dump trucks, gooseneck trailers and chemical transfer lines.

- Meets dimensional requirements of ISO 7241-1 Series A.
- A general purpose, fluid transfer quick coupling that provides higher burst pressure and superior flow to that of Eaton FD56 (5600) series and Parker 6600 series, while providing half-for-half interchangeability.
- Due to SafeWay's unique poppet style valving, the S56 Series has a shorter overall length and less weight than other brands they replace.
- Manufactured from solid steel barstock.
- Available in body sizes from 1/4" to 1" with pipe thread and SAE O-ring Boss (ORB) standard.
- All S56 Series quick couplings are 100% leak tested.
- Ideal for minimal space applications.
- Heavy-duty dust plugs and dust caps available.
- Heavy-duty detent ball latch design for reliable connection time after time.



S56-6



S561-6



S565-6

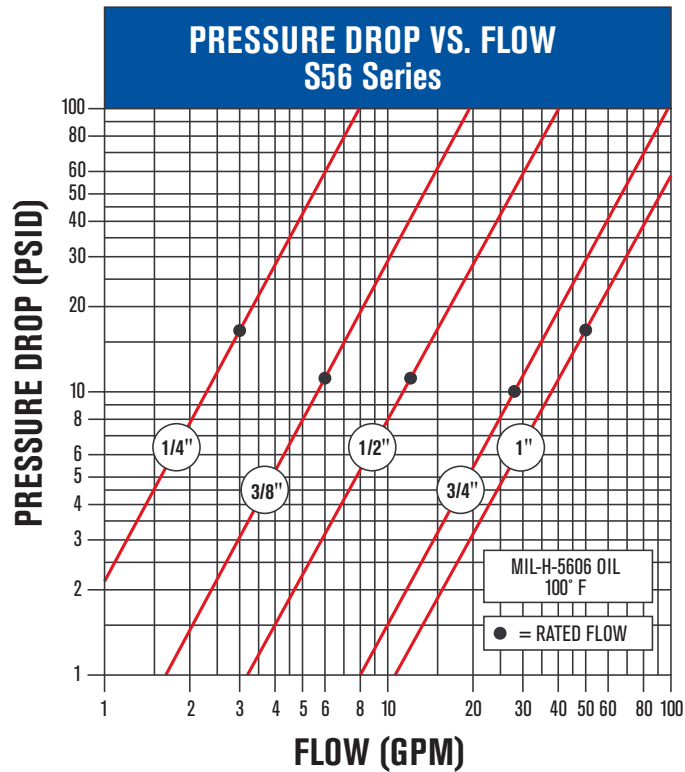
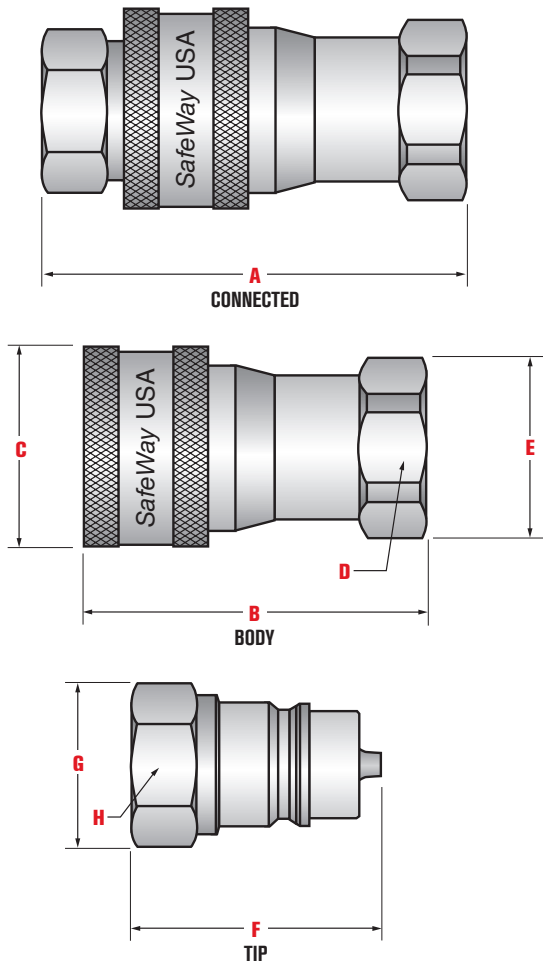
- The S56 Series uses solid steel barstock in its valving and retainers; no powdered metal parts. A higher number of detent (locking) balls and a specially hardened male tip (nipple) add to the overall integrity of the product and its higher rated working pressure.
- Unique poppet/seat design allows no extrusion gap, minimizing seal degradation under extreme pressures. Stainless steel valve springs and retainer rings are standard.
- Method of obtaining and presenting performance data conforms to ANSI (NFPA) T3.20.2.R2, *Hydraulic fluid power - Quick action couplings - Test methods*.

PERFORMANCE DATA

PART NUMBERS			DESCRIPTION		OPERATING PRESSURE		NFPA RATED FLOW	
Complete Coupler	Female Body Half	Male Tip Half	Body Size	Thread Size and Description	Maximum		GPM	(LPM)
					PSI	(BAR)		
S56-2	S565-2	S561-2	1/4"	1/4" Female Pipe	5,000	(345)	3	(12)
S56-3	S565-3	S561-3	3/8"	3/8" Female Pipe	4,500	(310)	6	(23)
S56-3-6	S565-3-6	S561-3-6	3/8"	9/16"-18 Female ORB	4,500	(310)	6	(23)
S56-4	S565-4	S561-4	1/2"	1/2" Female Pipe	4,000	(276)	12	(45)
S56-4-8	S565-4-8	S561-4-8	1/2"	3/4"-16 Female ORB	4,000	(276)	12	(45)
S56-4-10	S565-4-10	S561-4-10	1/2"	7/8"-14 Female ORB	4,000	(276)	12	(45)
S56-6	S565-6	S561-6	3/4"	3/4" Female Pipe	4,000	(276)	28	(106)
S56-6-12	S565-6-12	S561-6-12	3/4"	1-1/16"-12 Female ORB	4,000	(276)	28	(106)
S56-8	S565-8	S561-8	1"	1" Female Pipe	4,000	(276)	50	(189)
S56-8-16	S565-8-16	S561-8-16	1"	1-5/16"-12 Female ORB	4,000	(276)	50	(189)

Temperature Range: Standard Seals (Buna-N) -40° to +250° F Viton® Option -15° to +450° F Other Seals Available. Viton® is a registered trademark of DuPont Dow Elastomers.
 Vacuum Data: 27.4 inches Hg, both connected and disconnected.

Pressure rating (Max. Operating Pressure) is based on Non-Pulsating, Low Cycle applications with essentially steady pressure during the operating cycle. Please consult factory regarding other applications.



DIMENSIONAL DATA

Complete Coupler Number	DIMENSIONS (inches)							
	Overall Length A	Body Length B	Diameter C	Hex D	Diameter E	Tip Length F	Diameter G	Hex H
S56-2	2.48	1.79	1.07	.88	.96	1.31	.86	.75
S56-3	3.02	2.20	1.26	1.06	1.18	1.65	1.01	.88
S56-3-6	3.22	2.30	1.26	1.06	1.18	1.75	1.01	.88
S56-4	3.46	2.56	1.50	1.25	1.35	1.88	1.23	1.06
S56-4-8	3.56	2.61	1.50	1.25	1.35	1.93	1.23	1.06
S56-4-10	3.76	2.71	1.50	1.25	1.35	2.03	1.23	1.06
S56-6	3.98	3.04	1.89	1.38	1.58	2.26	1.58	1.38
S56-6-12	4.42	3.26	1.89	1.38	1.58	2.36	1.58	1.38
S56-8	4.73	3.66	2.13	1.63	1.87	2.69	1.87	1.63
S56-8-16	4.93	3.76	2.13	1.63	1.87	2.79	1.87	1.63

See pages 34-36 for accessories to the S56 Series.