

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 Aeroquip 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

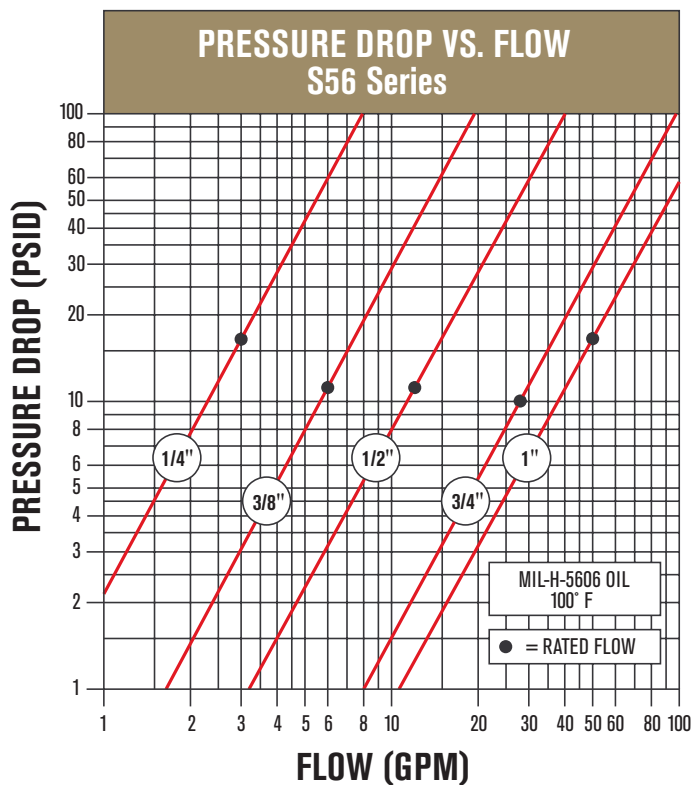
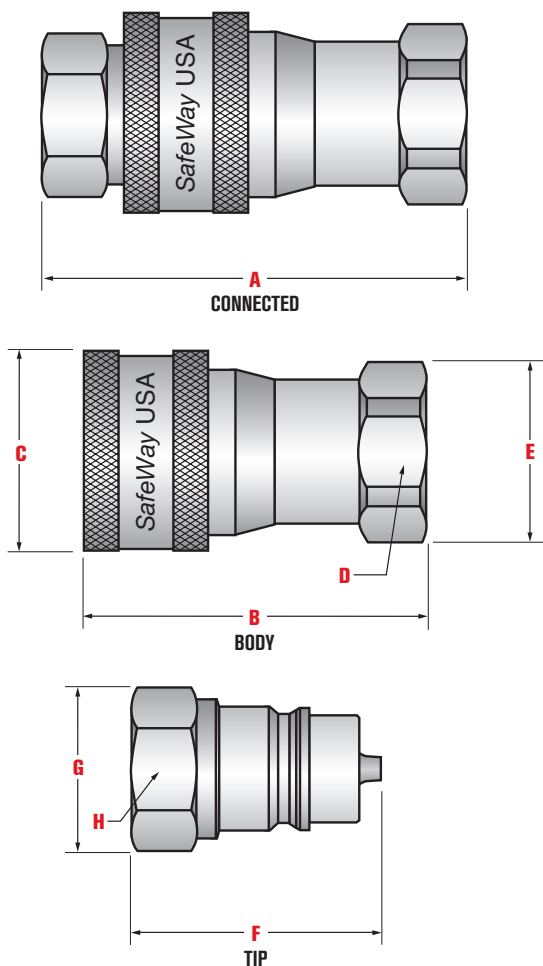
PART NUMBERS			DESCRIPTION		OPERATING PRESSURE		NFPA RATED FLOW	
Complete Coupler	Female Body Half	Male Tip Half	Body Size	Thread Size and Description	Maximum		GPM	(LPM)
					PSI	(BAR)		
S56-2	S565-2	S561-2	1/4"	1/4" Female Pipe	5,000	(345)	3	(12)
S56-3	S565-3	S561-3	3/8"	3/8" Female Pipe	4,500	(310)	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.
 Vacuum Data: 27.4 inches Hg, both connected and disconnected.

Viton® is a registered trademark of DuPont Dow Elastomers.

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.

COMPACT DESIGN, HIGH FLOW, HIGH WORKING PRESSURE



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	4.18	3.14	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.