

# S10 SERIES

## QUICK COUPLERS IN HARDENED STEEL

SafeWay's S10 Series is a general purpose, double shut-off quick coupling capable of containing a wide variety of fluids. Primarily used for the transfer of hydraulic fluid, they can also be used with chemicals and some gases. Widely used in both stationary and mobile industrial applications.

- Meets dimensional requirements of ISO 7241-1 Series B, the most widely used Industrial Interchange.
- Available in body sizes from 1/8" to 1" with pipe thread and SAE O-ring Boss (ORB) standard.
- Standard material is steel.
- Interchangeable half-for-half with Eaton HK Series, Parker/Pioneer 60 Series, Faster HNV series as well as others conforming to this interchange.
- Double shut-off poppet style valving with captive poppet seal provides a durable, guaranteed leak-free seal.
- Full-flow design for optimum system performance.
- All S10 Series quick couplings are 100% leak tested.
- Seals for most fluids available upon request.
- Heavy-duty detent ball latch design for a reliable connection time after time.



- Only rugged, high quality carbon steel valving and retainers; no powdered metal parts.
- Sleeve lock, one-way shut-off, and straight-thru designs are available.
- Heavy-duty steel dust caps and dust plugs are available for the male tip halves and female body halves.
- Field repair kits are available for 3/4" and 1" couplers in all materials and O-ring compounds.
- 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)		
S10-1	S105-1	S101-1	1/8"	1/8" Female Pipe	5,000	(345)	0.8	(3)
S10-2	S105-2	S101-2	1/4"	1/4" Female Pipe	5,000	(345)	3	(12)
S10-2-6	S105-2-6	S101-2-6	1/4"	9/16"-18 Female ORB	5,000	(345)	3	(12)
S10-3	S105-3	S101-3	3/8"	3/8" Female Pipe	4,000	(276)	6	(23)
S10-3-8	S105-3-8	S101-3-8	3/8"	3/4"-16 Female ORB	4,000	(276)	6	(23)
S10-4	S105-4	S101-4	1/2"	1/2" Female Pipe	4,000	(276)	12	(45)
S10-4-10	S105-4-10	S101-4-10	1/2"	7/8"-14 Female ORB	4,000	(276)	12	(45)
S10-6	S105-6	S101-6	3/4"	3/4" Female Pipe	3,500	(241)	28	(106)
S10-6-12	S105-6-12	S101-6-12	3/4"	1-1/16"-12 Female ORB	3,500	(241)	28	(106)
S10-8	S105-8	S101-8	1"	1" Female Pipe	3,000	(207)	50	(189)
S10-8-16	S105-8-16	S101-8-16	1"	1-5/16"-12 Female ORB	3,000	(207)	50	(189)

Temperature Range: Standard Seals (Buna-N) -40° to +250° F  
Vacuum Data: 27.4 inches Hg. both connected and disconnected.

Viton® Option -15° to +450° F Other Seals Available.

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.

## QUICK COUPLERS IN 360 BRASS

SafeWay's BS10 Series is a general purpose, double shut-off quick coupling capable of containing a wide variety of fluids. Brass construction lends itself to use in applications where steel is unsuitable, including use with certain chemicals and gases. Widely used in both stationary and mobile industrial applications.

- Meets dimensional requirements of ISO 7241-1 Series B, the most widely used Industrial Interchange.
- Available in body sizes from 1/8" to 1" with pipe thread.
- Standard material is brass.
- Interchangeable half-for-half with Eaton HK series, Parker/Pioneer 60 series, Faster HNV series as well as others conforming to this interchange.
- Double shut-off poppet style valving with captive poppet seal provides a durable, guaranteed leak-free seal.
- Full-flow design for optimum system performance.
- All BS10 Series quick couplings are 100% leak tested.
- Seals for most fluids available upon request.
- Heavy-duty detent ball latch design for a reliable connection time after time.



- Brass couplers are supplied with brass valve, hardened stainless steel locking detent balls, springs and retaining rings for increased corrosion resistance.
- Heavy-duty steel dust caps and dust plugs are available for the male tip halves and female body halves.
- Field repair kits are available for 3/4" and 1" couplers in all materials and O-ring compounds.
- Method of obtaining and presenting performance data conforms to ANSI (NFPA) T3.20.2.R2, *Hydraulic fluid power - Quick action couplings - Test methods*.

## DIMENSIONAL 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)		
BS10-1	BS105-1	BS101-1	1/8"	1/8" Female Pipe	3,000	(207)	0.8	(3)
BS10-2	BS105-2	BS101-2	1/4"	1/4" Female Pipe	4,000	(276)	3	(12)
BS10-3	BS105-3	BS101-3	3/8"	3/8" Female Pipe	3,000	(207)	6	(23)
BS10-4	BS105-4	BS101-4	1/2"	1/2" Female Pipe	3,500	(241)	12	(45)
BS10-6	BS105-6	BS101-6	3/4"	3/4" Female Pipe	2,300	(159)	28	(106)
BS10-8	BS105-8	BS101-8	1"	1" Female Pipe	1,600	(110)	50	(189)

Temperature Range: Standard Seals (Buna-N) -40° to +250° F  
Vacuum Data: 27.4 inches Hg. both connected and disconnected.

Viton® Option -15° to +450° F

Other Seals Available.

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# SS10 SERIES

## QUICK COUPLERS IN 303 STAINLESS STEEL

SafeWay's SS10 Series is a general purpose, double shut-off quick coupling capable of containing a wide variety of fluids. Primarily used for the transfer of hydraulic fluid, they can also be used with water, steam, chemicals and some gases. Widely used in both stationary and mobile industrial applications.

- Meets dimensional requirements of ISO 7241-1 Series B, the most widely used Industrial Interchange.
- Available in body sizes from 1/8" to 1" with pipe thread.
- Standard material is 303 stainless steel.
- Interchangeable half-for-half with Eaton HK Series, Parker/Pioneer 60 Series, Faster HNV Series as well as others conforming to this interchange.
- Double shut-off poppet style valving with captive poppet seal provides a durable, guaranteed leak-free seal.
- Full-flow design for optimum system performance.
- All SS10 Series quick couplings are 100% leak tested.
- Heavy-duty detent ball latch design for a reliable connection time after time.
- Seals for most fluids available upon request.



- Stainless steel SS10 Series couplers are supplied with hardened stainless steel locking detent balls, poppet valve springs and retaining rings for increased corrosion resistance.
- Sleeve lock, one-way shut-off, and straight-thru designs are available.
- Heavy-duty steel dust caps and dust plugs are available for the male tip halves and female body halves.
- Field repair kits are available for 3/4" and 1" couplers in all materials and O-ring compounds.
- 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

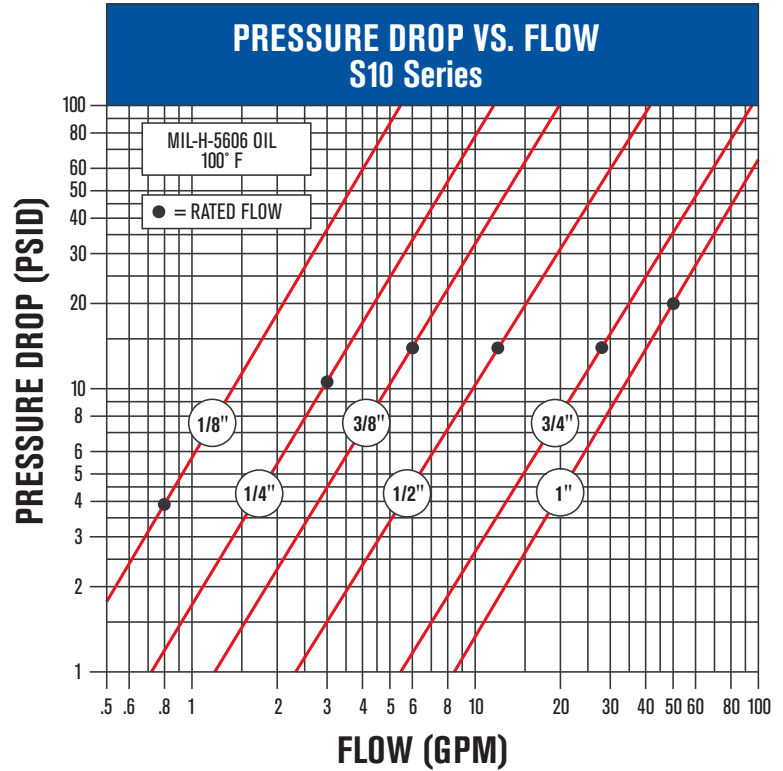
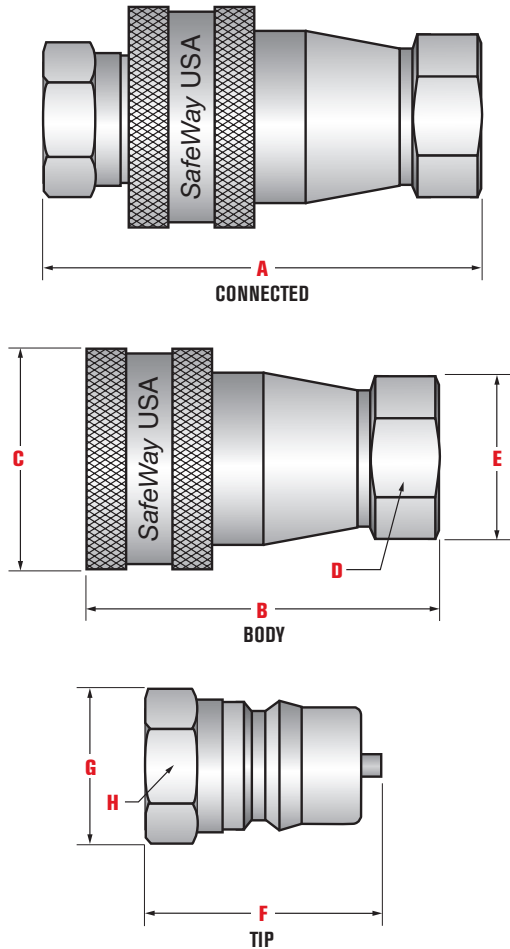
PART NUMBERS			DESCRIPTION		OPERATING PRESSURE		NFPA RATED FLOW	
Complete Coupler	Female Body Half	Male Tip Half	Body Size	Thread Size and Description	Maximum		GPM	(LPM)
					PSI	(BAR)		
SS10-1	SS105-1	SS101-1	1/8"	1/8" Female Pipe	5,000	(345)	0.8	(3)
SS10-2	SS105-2	SS101-2	1/4"	1/4" Female Pipe	5,000	(345)	3	(12)
SS10-3	SS105-3	SS101-3	3/8"	3/8" Female Pipe	5,000	(345)	6	(23)
SS10-4	SS105-4	SS101-4	1/2"	1/2" Female Pipe	5,000	(345)	12	(45)
SS10-6	SS105-6	SS101-6	3/4"	3/4" Female Pipe	3,000	(207)	28	(106)
SS10-8	SS105-8	SS101-8	1"	1" Female Pipe	2,000	(138)	50	(189)

Temperature Range: Standard Seals (Buna-N) -40° to +250° F  
Vacuum Data: 27.4 inches Hg, both connected and disconnected.

Viton® Option -15° to +450° F Other Seals Available.

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## DIMENSIONAL DATA

Complete Coupler Number	DIMENSIONS (inches)							
	Overall Length A	Body Length B	Diameter C	Wrench Flat D	Diameter E	Tip Length F	Diameter G	Hex H
S10-1	2.32	1.89	.93	.56	.66	1.25	.65	.56
S10-2	2.78	2.23	1.14	.75	.88	1.52	.86	.75
S10-2-6	2.90	2.29	1.14	.87	.97	1.58	1.01	.88
S10-3	3.03	2.48	1.39	.87	1.00	1.68	1.01	.88
S10-3-8	3.43	2.68	1.39	1.00	1.22	1.88	1.15	1.00
S10-4	3.47	2.80	1.76	1.12	1.29	1.88	1.23	1.06
S10-4-10	3.67	2.90	1.76	1.12	1.29	1.98	1.44	1.25
S10-6	4.00	3.37	2.13	1.31	1.63	2.26	1.52	1.31
S10-6-12	4.20	3.47	2.13	1.37	1.67	2.36	1.59	1.38
S10-8	4.73	3.94	2.51	1.62	1.88	2.69	1.88	1.63
S10-8-16	4.93	4.04	2.51	1.75	1.98	2.79	1.88	1.63

All dimensions listed above pertain to Brass and Stainless Steel couplers as well.  
See pages 34-36 for accessories to the S10 Series.