

S10 Series

Industrial Interchange Quick Disconnect Couplings



S10 Series (1/4" - 1") - Industrial Couplings

This general purpose Industrial Interchange meets ISO 7241 Interchange and Performance requirements. Couplings are double shut-off poppet type available in steel, brass and stainless steel with Buna-N as standard seals.

A one-way sleeve is used on all sizes.

Materials

Steel (S) - Body, sleeve and valves are zinc plated and gold passivated steel. Retaining rings, springs and locking (detent) balls are stainless steel. Buna-N (Nitrile) 'O' rings are standard. Other seal materials as described below are available on request.

Brass (BS) - Body, sleeve and valves are brass. Retaining rings, springs and locking (detent) balls are stainless steel. Buna-N (Nitrile) 'O' rings are standard. Other seal materials as described below are available on request.

303 Stainless Steel (SS) - Body, sleeve, valves, retaining rings, springs and locking (detent) balls are all in stainless steel. Buna-N (Nitrile) 'O' rings are standard. Other seal materials as described below are available on request.

Optional Seal Materials

Ethylene Propylene (E), Viton (F) and Neoprene (N) are among the most commonly requested seal options. These and other materials are available upon special request from the factory, at a modest premium.

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Performance Data

Complete Coupler Code	Nominal Body Size (in.)	Thread Size NPT	Body (Female) Code	Tip (Male) Code	Rated Pressure		Check Type	Weight Kg.
					Bar	PSI		
BRASS (BS)								
BS10-2	1/4"	1/4"	BS105-2	BS101-2	207	3000	Poppet	0.18
BS10-3	3/8"	3/8"	BS105-3	BS101-3	172	2500	Poppet	0.28
BS10-4	1/2"	1/2"	BS105-4	BS101-4	172	2500	Poppet	0.50
BS10-6	3/4"	3/4"	BS105-6	BS101-6	138	2000	Poppet	0.83
BS10-8	1"	1"	BS105-8	BS101-8	103	1500	Poppet	1.33
STAINLESS STEEL (SS)								
SS10-1	1/8"	1/8"	SS105-1	SS101-1	345	5000	Poppet	0.12
SS10-2	1/4"	1/4"	SS105-2	SS101-2	310	4500	Poppet	0.16
SS10-3	3/8"	3/8"	SS105-3	SS101-3	241	3500	Poppet	0.26
SS10-4	1/2"	1/2"	SS105-4	SS101-4	241	3500	Poppet	0.48
SS10-6	3/4"	3/4"	SS105-6	SS101-6	172	2500	Poppet	0.82
SS10-8	1"	1"	SS105-8	SS101-8	138	2000	Poppet	1.30
STEEL (S)								
S10-2	1/4"	1/4"	S105-2	S101-2	345	5000	Poppet	0.18
S10-3	3/8"	3/8"	S105-3	S101-3	276	4000	Poppet	0.28
S10-4	1/2"	1/2"	S105-4	S101-4	276	4000	Poppet	0.50
S10-6	3/4"	3/4"	S105-6	S101-6	207	3000	Poppet	0.83
S10-8	1"	1"	S105-8	S101-8	172	2500	Poppet	1.33

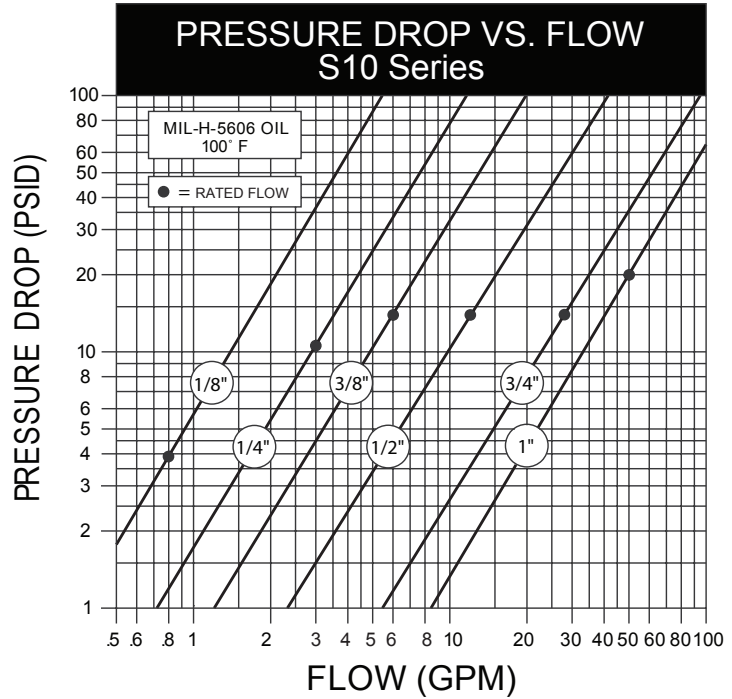
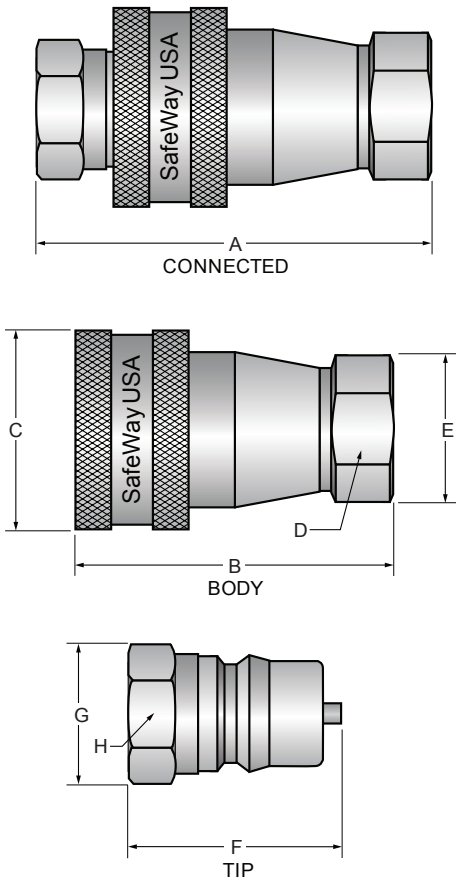
Interchange Information

SAFEWAY Code	AEROQUIP Code	PARKER Code
S101-2	FD45-1002-04-04	H2-63
S105-2	FD45-1003-04-04	H2-62
S101-3	FD45-1002-06-06	H3-63
S105-3	FD45-1003-0606	H3-62
S101-4	FD45-1002-08-10	H4-63
S105-4	FD45-1003-08-10	H4-62
S101-6	FD45-1002-12-12	H6-63
S105-6	FD45-1003-12-12	H6-62
S101-8	FD45-1002-16-16	H8-63
S105-8	FD45-1003-16-16	H8-62

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Dimensions (inches)								
Complete Coupler Number	Overall Length	Body Length	Diameter	Wrench Flat	Diameter	Tip Length	Diameter	Hex
	A	B	C	D	E	F	G	H
S10-1	2.32	1.89	0.93	0.56	0.66	1.25	0.65	0.56
S10-2	2.78	2.23	1.14	0.75	0.88	1.52	0.86	0.75
S10-3	3.03	2.48	1.39	0.87	1.00	1.68	1.01	0.88
S10-4	3.47	2.80	1.76	1.12	1.29	1.88	1.23	1.06
S10-6	4.00	3.37	2.13	1.31	1.63	2.26	1.52	1.31
S10-8	4.73	3.94	2.51	1.62	1.88	2.69	1.88	1.63

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Accessories

Part Number	Body O-Ring	Body Back-Up	Dust Cap (Protects Tip) Heavy Duty Steel	Dust Plug (Protects Body) Heavy Duty Steel
S10-1	S1060B-1	S1061T-1	S19-1	S14-1
S10-2	S1060B-2	S1061T-2	S19-2	S14-2
S10-3	S1060B-3	S1061T-3	S19-3	S14-3
S10-4	S1060B-4	S1061T-4	S19-4	S14-4
S10-6	S1060B-6	S1061T-6	S19-6	S14-6
S10-8	S1060B-8	S1061T-8	S19-8	S14-8

Replacement Seal Kits

Both replacement seal kits and individual o-rings and back-up rings are available. Leakage between the female body half (coupling) and the male tip half (nipple) is an indication that the body o-ring needs replacement.



Dust Caps & Dust Plugs

Protective dust caps and dust plugs are available in rubber or metal in a variety of sizes. They should be used whenever possible to help reduce contamination of the hydraulic system and improve service life of the body half (coupling) and the mating tip half (nipple).

