

# 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 Aeroquip FD45, Hansen HK, and Parker 60 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) |

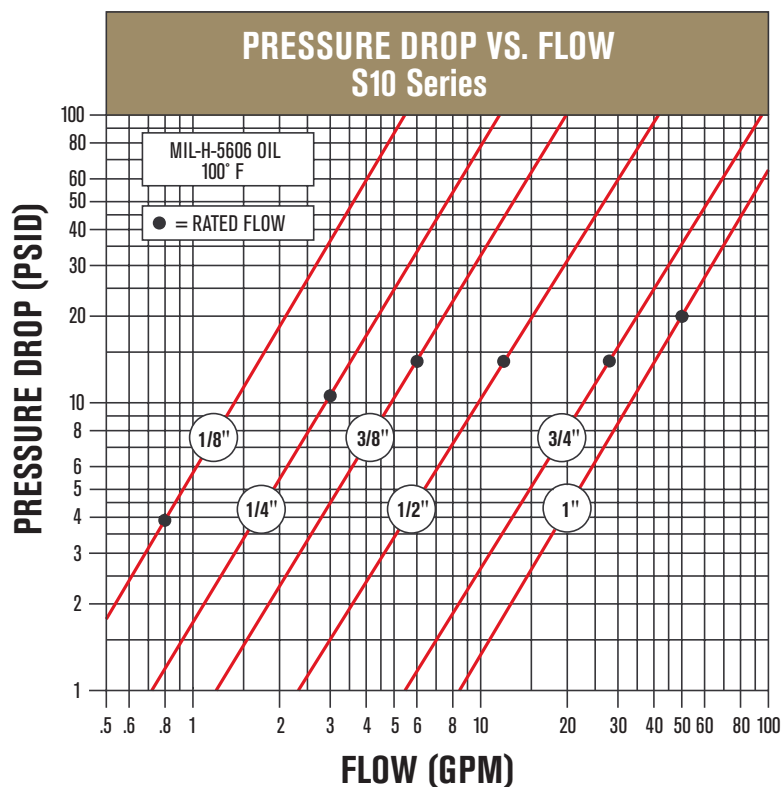
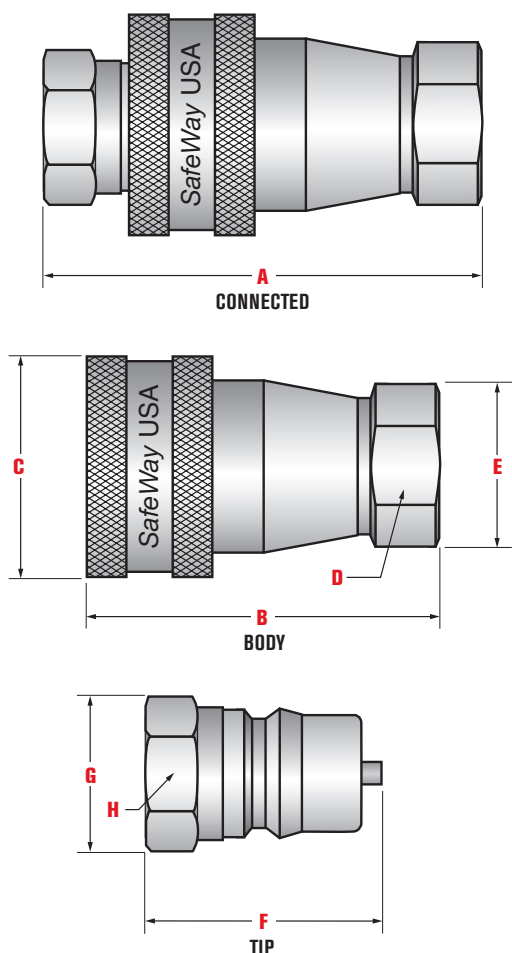
Temperature Range: Standard Seals (Buna-N) -40° to +250° F    Viton® Option -15° to +450° F    Other Seals Available.  
 Vacuum Data: 27.4 inches Hg. both connected and disconnected.

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.

# GENERAL PURPOSE INDUSTRIAL INTERCHANGE QUICK COUPLINGS

S10



## DIMENSIONAL DATA

| Complete Coupler Number | DIMENSIONS (inches) |                  |               |                  |               |                 |               |          |
|-------------------------|---------------------|------------------|---------------|------------------|---------------|-----------------|---------------|----------|
|                         | Overall Length<br>A | Body Length<br>B | Diameter<br>C | Wrench Flat<br>D | Diameter<br>E | Tip Length<br>F | Diameter<br>G | Hex<br>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.