

**HYDRAULIC ADAPTERS**

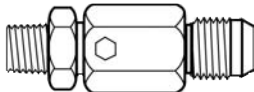
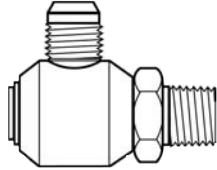
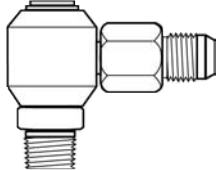
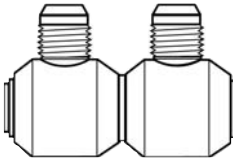
**HIGH PRESSURE HYDRAULIC CONTINUOUS SWIVEL JOINTS**

# Fluid Conducting Swivels Provide

- **Design Versatility**
- **Simplified Plumbing**
- **Longer Flex Hose Life**
- **Ease of Maintenance**

**DESIGN FEATURES:**

- Hardened carbon steel barrel and stem – Large wear surface
- Protective treatment meeting S.A.E. hose fitting standards
- Chrome retainer balls – Long Life
- Standard O-Ring and back-up ring – Field replaceable seal kits
- Copper filled furnace braze joints
- Heavy duty retainer ring
- Stem annealed – Reduced breakage from shock and vibration
- Burnished barrel bore – Extended seal life
- Optional seal material
- Recessed and protected dust seals

BARREL CONFIGURATION	STEM CONFIGURATION
<p><b>“S” Series / In-Line Swivel Joint</b>                      Sizes - ¼" through 2" pipe size                      Connection types - J.I.C. &amp; pipe (male &amp; female)                      Operating pressures - vacuum &amp; to 3,000 psi                      Operating temperatures - +40°F to +200°F</p>	
<p><b>“9S” Series / 90° Swivel Joint</b>                      Sizes - ¼" through 2" pipe size                      Connection types - J.I.C. &amp; O-Ring (male), pipe (male &amp; female rigid) &amp; union                      Operating pressures - vacuum &amp; to 3,000 psi                      Operating temperatures - +40°F to +200°F</p>	
<p><b>“9SS” Series / Dual Plane Swivel Joint</b>                      Sizes - ¼" through 1 ¼" pipe size                      Connection types - J.I.C. &amp; O-Ring (male), pipe (male &amp; female)                      Operating pressures - vacuum &amp; to 3,000 psi                      Operating temperatures - +40°F to 200°F</p>	
<p><b>“18S” Series / 180° Swivel Joint</b>                      Sizes - ¼" through 2" pipe size                      Connection types - J.I.C. (male), pipe (male &amp; female rigid) &amp; union                      Operating pressures - vacuum &amp; to 3,000 psi                      Operating temperatures - +40°F to 200°F</p>	

**This Product Is Not For Pneumatic Applications**