

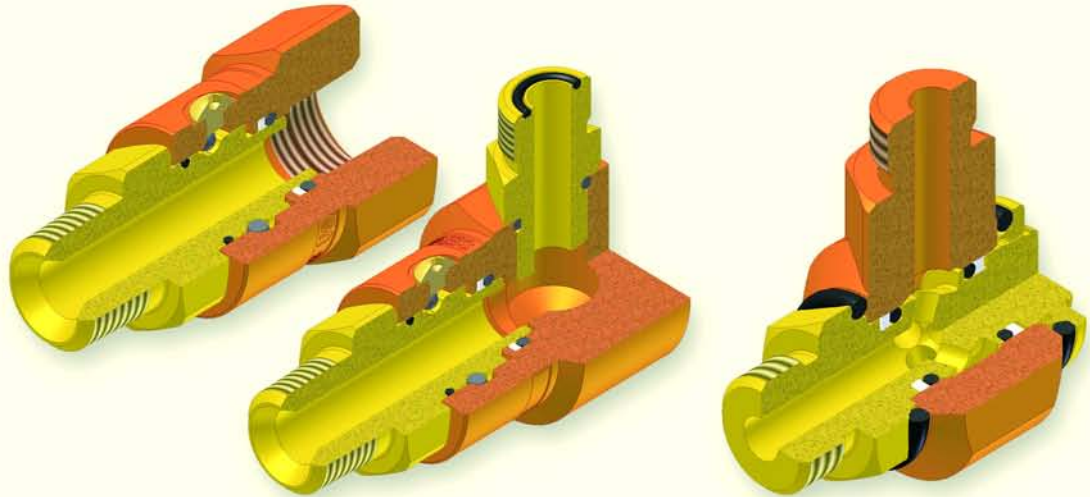


PS and S Series Hydraulic Swivels

***Bulletin 3800-SVL
August, 2006***



Selection Guide

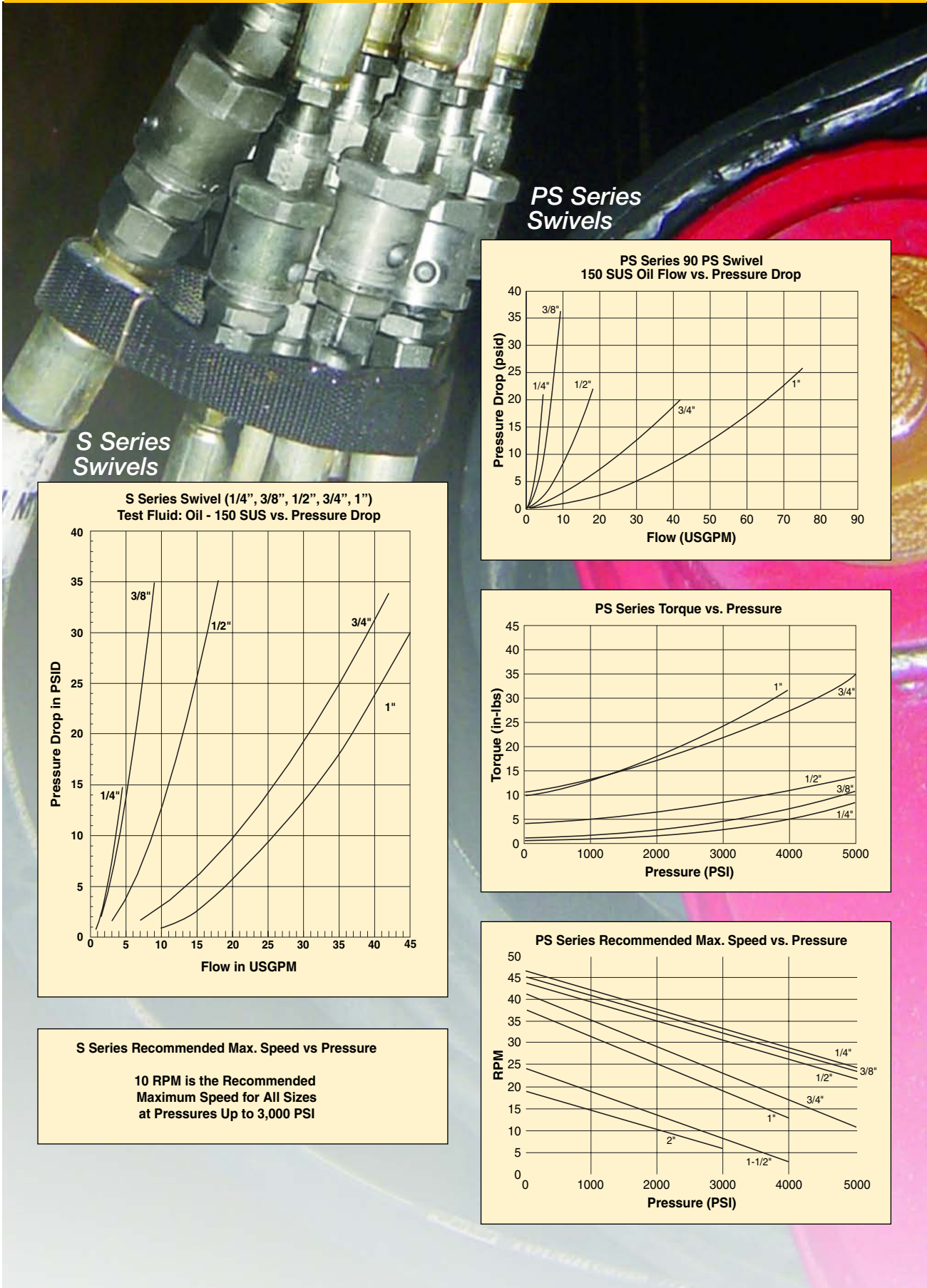


	PS Series	PS Series- Heavy Duty**	S Series
Sizes	1/4" to 1"	1-1/4" to 2"	1/4" to 1"
Rated Pressure	Up to 5000 PSI*	Up to 4000 PSI*	Up to 3000 PSI*
In-line Style	✓	✓	
90° Style	✓	✓	✓
Temp Range (Standard Seals)	-40° to 250° F	-30° to 180° F	-40° to 250° F
Design	Full Flow	Full Flow	Pressure Balanced
Port Options	Male NPTF Female NPTF Male JIC 37° Male SAE O-ring Straight Thd Female SAE Straight Thd Male Seal-Lok	Male NPTF Female NPTF Male JIC 37° Male SAE O-ring Straight Thd Female SAE Straight Thd Male Seal-Lok	Male NPTF Female NPTF Male JIC 37° Male SAE O-ring Straight Thd
Seal Options	Nitrile (Std) Aflas Ethylene Propylene Fluorocarbon Neoprene	Polyurethane U-cup (Std) Nitrile (Std) Aflas Ethylene Propylene Fluorocarbon Neoprene	Nitrile (Std) Ethylene Propylene Fluorocarbon
Material Options	Carbon Steel 303 Stainless Steel 316 Stainless Steel	Carbon Steel 303 Stainless Steel 316 Stainless Steel	Carbon Steel
Plating Options	Zinc & Chromate (Std) Nickel	Zinc & Chromate (Std) Nickel	Zinc & Chromate (Std) Nickel
Repair Kits	✓		✓

*Depends on size and port configuration.

**PS Series heavy duty version not shown.

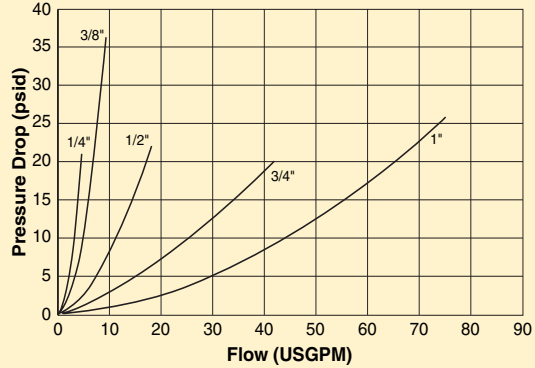
Performance Data



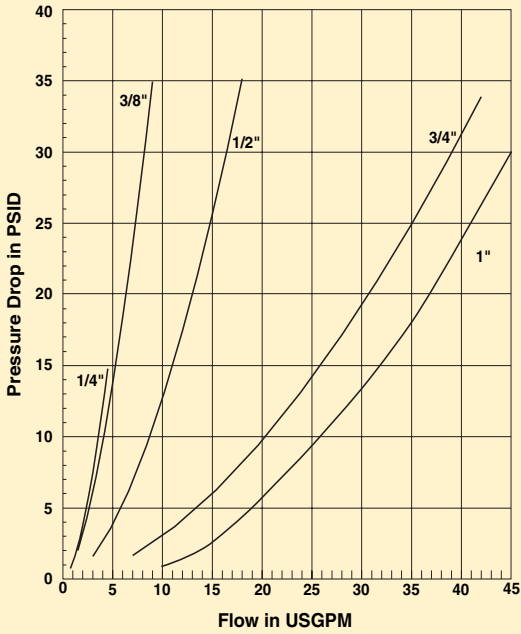
PS Series Swivels

S Series Swivels

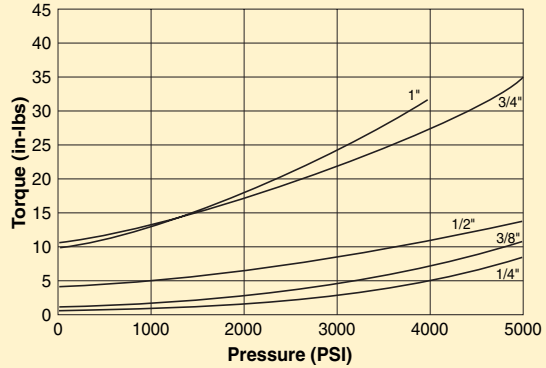
**PS Series 90 PS Swivel
150 SUS Oil Flow vs. Pressure Drop**



**S Series Swivel (1/4", 3/8", 1/2", 3/4", 1")
Test Fluid: Oil - 150 SUS vs. Pressure Drop**



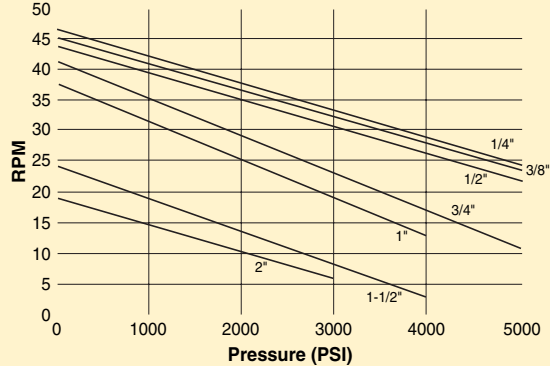
PS Series Torque vs. Pressure



S Series Recommended Max. Speed vs Pressure

10 RPM is the Recommended Maximum Speed for All Sizes at Pressures Up to 3,000 PSI

PS Series Recommended Max. Speed vs. Pressure



PS Series Swivels

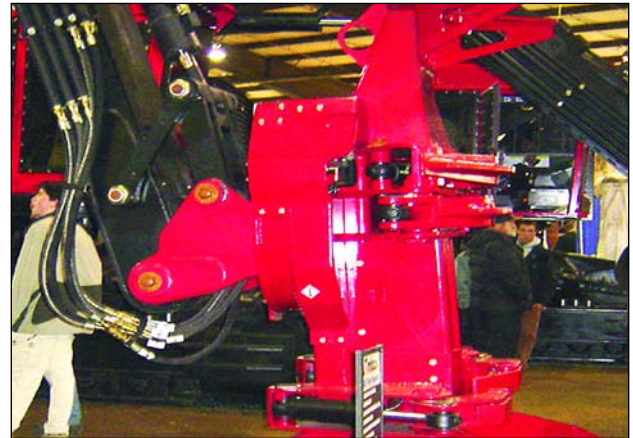
The PS Series combines the high quality and performance you expect from Parker with one of the most compact designs available today. They eliminate hydraulic hose twist, a leading cause of hose failure which leads to dangerous and expensive fluid leaks and unscheduled machine downtime. These flexible, in-line and 90° PS Series Swivels have a bearing design that reduces damage from side loads and extends the service life of hydraulic components – saving both time and money.

Their innovative design and variety of port and seal options make the new, compact, PS Series ideal for the most demanding, dynamic, high pressure applications.



The New PS Series – Increased Performance in a Smaller Package

- 90° and in-line styles
- Shorter overall length
- Full flow design minimizes pressure drop and increases performance
- Sealed bearing races help prevent contamination
- Induction hardened bearing races extend service life
- Wide range of sizes – 1/4" to 2"
- Up to 5,000 PSI
- Heavy duty design available
 - Unique three piece design
 - Polyurethane u-cup seal
 - Ball and needle bearings for greater resistance to side loads
- Repair kits available



Parker Hydraulic Swivels...for lift trucks, car washes, backhoes, pulp and paper processing equipment, injection molding equipment, refuse trucks, hose reels, steel mill equipment, car washers, logging equipment – wherever hoses are subjected to dynamic loads.

S Series Swivels

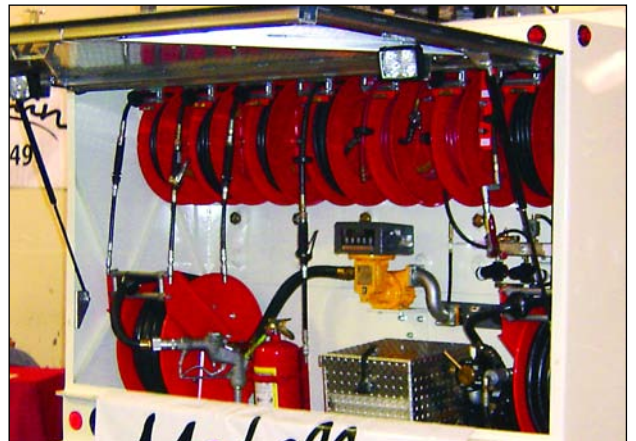
The pressure balanced design of the S Series swivels ensures that as pressures rise there will not be a significant increase in torque – ensuring optimum performance up to 3,000 PSI. The case hardened, forged bodies offer superior performance and durability in even the toughest applications. Parker's compact S Series eliminates hose twist, torque and stress caused by the movement of hydraulic components – the leading cause of hose failure resulting in costly leaks and equipment down time.

Over the life of your equipment, adding Parker swivels to hose lines will significantly reduce repair and maintenance costs.



S Series 90° Swivels – Pressure Balanced Performance in a Compact Design

- Pressure balanced design – torque does not significantly increase with pressure
- Compact design fits in tight areas
- One piece forged body – no brazed joints
- Case hardened housing improves strength and service life
- Web hole design maximizes flow and reduces system turbulence
- Dust seals help prevent contamination
- Up to 3,000 PSI
- 1/4" to 1" sizes available
- Compact 90° design
- Repair kits available

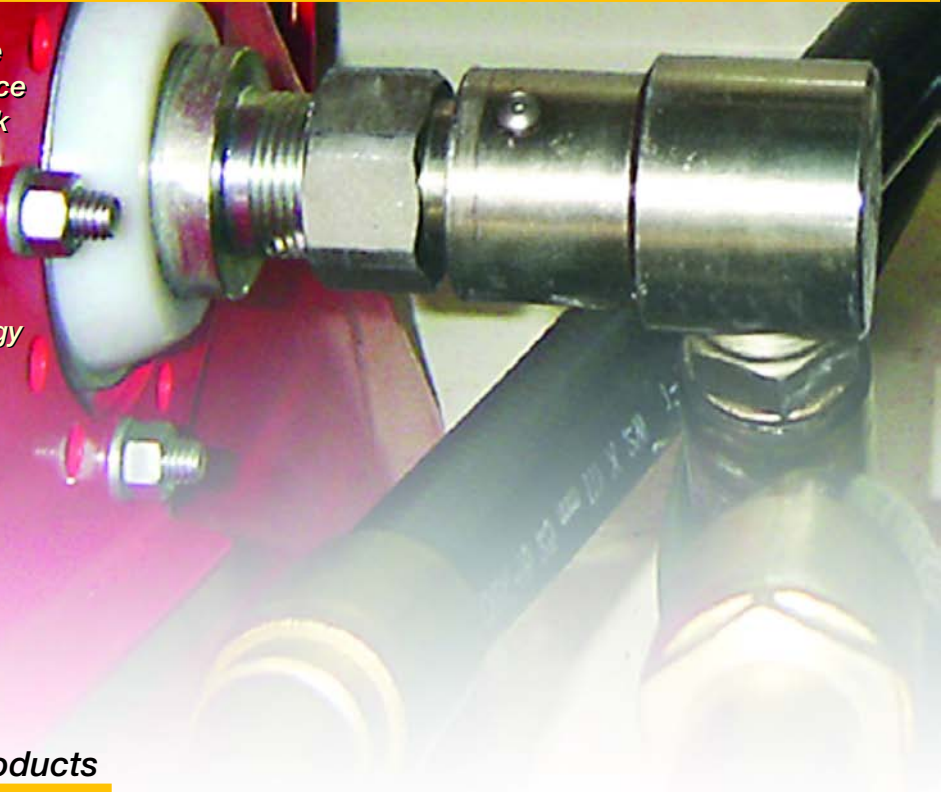


*and paper machinery,
fills, palletizers, pressure
ect to on-going movement.*

anything **Parker**
Possible.™

Innovative Solutions with Unique Advantages:

- Premier Customer Service
- Dedicated Field Sales Force
- Large Distribution Network
- Application Engineering Assistance
- ISO 9001: 2000 Certified
- Flexible Manufacturing Processes
- State-of-the-Art Technology
- The World's Largest Manufacturer of Quick Couplings



Other Quick Coupling Products



Hydraulic Quick Couplings

- Various Configurations
- Double Shut-Off
- Single Shut-Off
- Straight Through



Pneumatic Quick Couplings

- Industry Interchanges
- Manual Connect
- Push-to-Connect
- Exhaust Styles



Thermoplastic Couplings

- Various Sizes
- Chemical Compatibility
- Push-to-Connect
- Non-Spill Styles



Check Valves

- In-line Styles
- Several Sizes
- Varied Configurations
- All Steel Construction



Diagnostic Equipment

- Digital Recording Meters
- Digital Gauges
- Diagnostic Quick Couplings
- Sensors and Accessories

Bulletin 3800-SVL



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