



WEST MICHIGAN RUBBER & SUPPLY
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PS SERIES SWIVELS

Introduction

The design and manufacturing processes vital to a swivel's quality are the cornerstone of the Quick Coupling Division's day to day operations. The PS Series Swivel is designed to meet the application needs and performance requirements of the market. Pressure capabilities up to 5000 psi, 1/4" through 2" body sizes, a variety of port options, Chromium-6 Free or nickel plating and a wide range of seal options make the PS Series Swivels ideal for an array of dynamic applications.



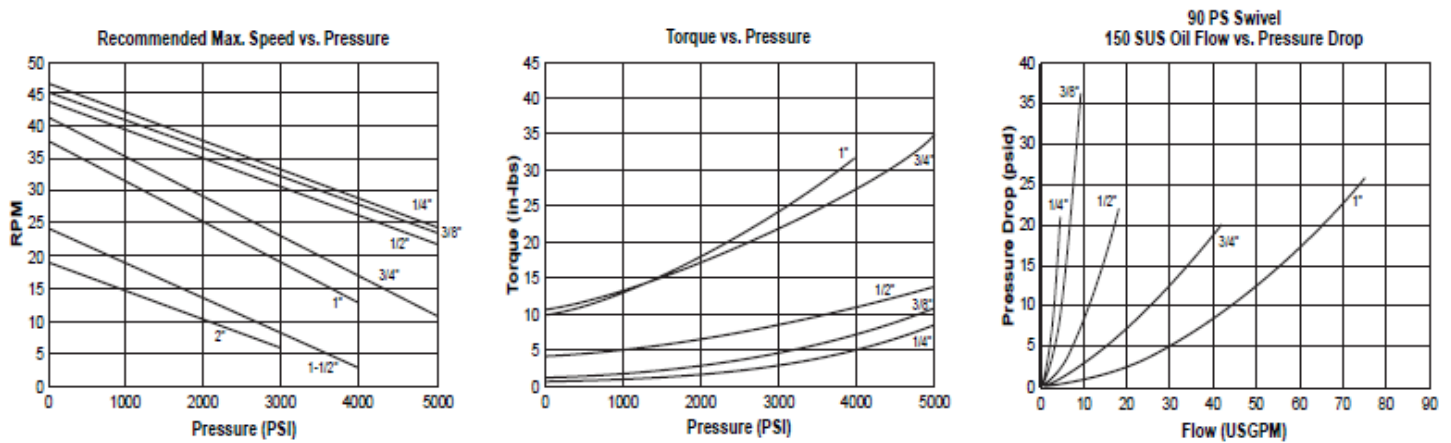
Features

- Hardened bearing races for extended service life.
- Full flow design minimizes pressure drop for optimum system performance.
- Sealed bearing design isolates bearing race from media and environment.
- Reduced bearing load design minimizes wear in the bearing race and extends service life.
- PTFE back-up rings support primary seal for high-pressure applications.
- Chromium-6 Free plating for maximum corrosion resistance.
- Variety of seal options available.
- Three piece swivel design for sizes 1 1/4" through 2" for superior performance and service life.
- Precision needle bearings and ball bearings sized 1 1/4" through 2" for additional side load resistance.
- Polyurethane U-Cup primary seal standard for sizes 1 1/4" through 2".
- PS Series Swivels eliminate hose twist and torque that may cause premature hose failure.

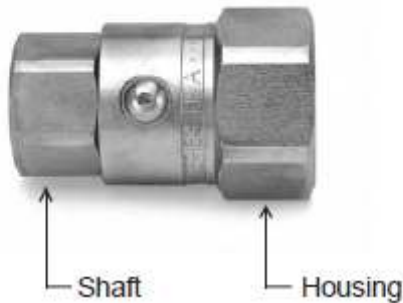
Specifications

Body Size (in.)	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Maximum Rated Pressure (PSI)	5000	5000	5000	5000	5000	4000	4000	3000
<i>Except the following port options in the noted size</i>								
03 (Male JIC 37°)							3000	2000
05 (Male SAE O-Ring Boss)								2500
06 (Female JIC 37°) 90° Housing Port				4000	3000	3000	2500	2000
06 (Female JIC 37°) In-Line Housing Port							3000	2000
07 (Female NPSM)			4600	3000	2600	2100	1650	1500
Temperature Range (std seals)	-40° to 250° F					-30° to 180° F		

Performance Data



In-Line Swivels



90° Swivels



PS Part Number:

PS 16 1 02 02-16-16 Y-

Material and Finish:
 Blank = Carbon Steel
 w/Chromium-8 Free Plating (Std.)
 NI = Carbon Steel with Electroless Nickel Plating*
 S3 = 303 Stainless Steel Passivated*
 S8 = 316 Stainless Steel Electropolished*

Seal Code:
 Blank = Nitrile†
 A = Aflas™*
 W = Ethylene Propylene
 Y = Fluorocarbon
 Z = Neoprene
 For Perfluoroelastomer Seal Option Contact the Division.

Housing Port Size (1/16 of an inch)††

Shaft Port Size (1/16 of an inch)††

Shaft Port Configuration:
 01 = Male NPTF
 02 = Female NPTF
 03 = Male JIC 37 Degree
 05 = Male SAE O-Ring Straight Thread
 10 = Female SAE Straight Thread

Housing Port Configuration:
 01 = Male NPTF(Non-Standard)*
 02 = Female NPTF
 03 = Male JIC 37 Degree
 05 = Male SAE O-Ring Straight Thread
 08 = Female JIC 37 Degree
 07 = Female NPSM Pipe Swivel
 10 = Female SAE Straight Thread

Configuration:
 1 = In-line
 9 = 90 degree

Body Size (1/16 of an inch)

Parker Swivel designator

*Contact Division for price and delivery

† On -24 and -32 sizes, Polyurethane U-Cup Seal is standard.

†† For -20 Ports, -24 Body is used.