

EPS NewsSource

Fluid Power Seal Design Guide

EPS Division publishes definitive resource guide and product catalog for Fluid Power sealing.

EPS Division has published its long awaited Fluid Power Seal Design Guide which is slated to become *the definitive resource guide* for seal selection in applications for pneumatic and low, medium and heavy duty hydraulics.

The 424 page guide contains application guidelines plus quick-reference and in-depth descriptions, key material offerings, gland dimensions and availability of 64 individual sealing device profiles. The detailed Engineering section adeptly covers topics in sealing theory such as:

- Static vs. Dynamic Sealing
- Leakage control
- Lip vs. squeeze seals
- Effects of Lip Geometries
- Pressure effects & extrusion

- Seal Wear
- Seal Stability
- Surface Speed
- Compression Set
- Influence of Temperature

Seal designers will appreciate the completeness of technical information contained inside which addresses engineering questions which impact appropriate seal selection. The materials guide is the most complete in the fluid power industry, covering over 60 material types.

Hardware Surface Finish Guidelines section is "do not miss" reading

In addition to detailed engineering data, material specifications, installation guides and checklist for seal design consideration you won't want to miss

reading *"one of the most comprehensive and clear-cut dissertations on hardware surface finish"* according to top industry suppliers.

Authorized Parker Distributors will receive copies of the new catalog commencing 9/27/07. Initial preview quantities are free of charge. Additional copies are available to Authorized Distributors at a cost of \$5.00 each (retail cost is \$75 for non-Distributors).

We are sure you will find the guide invaluable and an effective tool in enabling Parker distributors to be the single source supplier (both OEM and MRO) for customers' fluid power seal requirements. ■

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Fluid Power Seal Design Guide

Catalog EPS 5370

ENGINEERING YOUR SUCCESS.

New Fluid Power Seal Design Guide is available from Catalog Services beginning October 1, 2007. Read for details.

NOTICE: Wiper Part Number Changes and New Pricing Are Effective 10/29/07

Wiper part number changes effective 10/29/2007. Complete pricing on CD-rom media.

Effective 10/29/2007, part number nomenclature for several of Parker EPS wiper profiles will be changed to the nomenclature designated in the Fluid Power Seal Design Guide (Catalog EPS 5370).

Specific profiles affected are:

- YD
- SHD
- SH959
- D
- AH
- J
- AY

Distributors should pay particular notice that:

- **Old part numbers will be switched to new part numbering**

- **Distributor Master Quotes will be updated to reflect new part numbering.**

Pricing for many Fluid Power seal profiles are changing effective 10/29/07.

Complete pricing is being provided Authorized Parker EPS Distributors in CD-ROM media format. The CD-ROM accompanies the initial shipment of Fluid Power Seal Design Guides which Distributors will receive beginning 09/27/07 and includes pricing for some 53,000+ part numbers. New prices are effective 10/29/2007, and will be visible on PH-Connect.

Please pay close attention to the new nomenclature for the wiper profiles outlined above. If you have any questions regarding wiper nomenclature or need assistance configuring a brand new part number, please call Tyler Miner, Wiper Product Manager, at 801 972 3000.

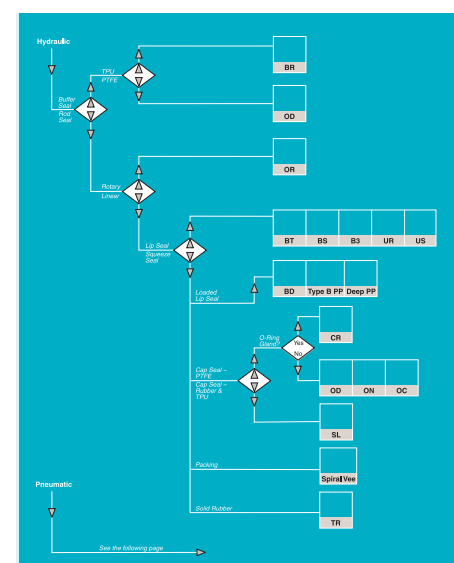
For General Pricing questions on Fluid Power profiles, please contact Jim Williams at 801 972 3000.

If you require data in a delimited format, please contact Andy Coffman, EPS Division Pricing Manager, by phone 801 972 3000 or via e-mail at: acoffman@parker.com ■

Salt Lake City, Utah

Easy Navigation and Decision Tree Features Make Quick Work of Seal Selection

Not sure which fluid power seal profile you should choose over another? Parker's Fluid Power Seal Design Guide makes it easy to steer you in the right direction. Look for Decision Trees in each product section of Catalog EPS 5370 to get you started. If you have questions, navigate through the profile information, and if you still need help, give us a call at 801 972 3000 and ask to speak with an Application Engineer. We're here to help ■



Decision Trees are in each major profile section to guide you in your selection process.

Part Number Nomenclature — SHD Profile
Table 8-3. SHD Profile — Inch

4	2	6	3	SHD	0	1	0	0	0
Seal Compound 4-Digit Material Code Example: 4263 = Nitroxile				Profile	Nominal Rod Diameter (x1000) Example: 1.000 x 1000 = 01000				

Nomenclature changes reflect "smart" part numbering logic such as this for the SHD Profile.

Authorized distributors will be receiving a preview quantity of the Fluid Power Seal Design Guide, Catalog 5370 on October 1, 2007.

Additional quantities may be ordered by calling 1-800-C-Parker, or via email from Catalogs@parker.com.