

Radial Seals - OmniSeal Series APS

Radial Seal

OmniSeal APS (Advanced Pitch Spring) utilizes a unique coiled wire spring design that has a light load and characteristics of a wide range of deflection while producing an almost constant spring load. This feature permits a large wear allowance in the seal jacket while maintaining an effective sealing load. Also, the spring can be wound in extremely small coil diameters, which makes this type of seal ideal for small cross section and small diameter seal applications. The low stressed spring makes it possible to deform the seal, allowing for assembly of rod seals into most closed glands without damaging the spring.



Radial	Standard Lip	Skived I.D. Lip	Skived O.D. Lip
Standard Heel G Width			
Part No.	730	731	732
Extended Heel G ₁ Width			
Part No.	733	734	735
Flanged Heel G ₁ Width			Other shapes available on simple request
Part No.	736	737	

Part Number System

730 4 1 - X2590 - A01 01 (73041-X2590-A0101)

- 730 — Seal Shape (see table above)
- 4 — Cross Section (see page 21)
- 1 — Hardware Indicator (1 for ID, 2 for OD)
- X2590 — Hardware Diameter (in example=259,0 mm)
- A01 — Jacket Material (see page 14)
- 01 — Spring Material (see page 15)

OmniSeal type APS (Advanced Pitch Spring) has been designed for applications where a low and constant load (friction) is required over a wide range of deflections. Typically this seal is used in dynamic applications.

The standard spring load averages at 0,3 N/mm circumference, but may be increased or decreased for specific seal performance.

The APS seal is designed for dynamic applications & is available for radial or face seal designs.

For more information, please contact our technical service and/or fill out the application data sheet on page 27.

