

# 200 Series - Elliptical Coil Spring Design

*Elliptical coil spring energized seals, accommodate excessive tolerances or misalignment*

Elliptical coil spring energized seals are commonly used in rotary, reciprocating, and static applications where hardware tolerances are relatively large or where a miniature seal is required. Elliptical coil spring designs allows for minimal deflection while applying intermediate loads.

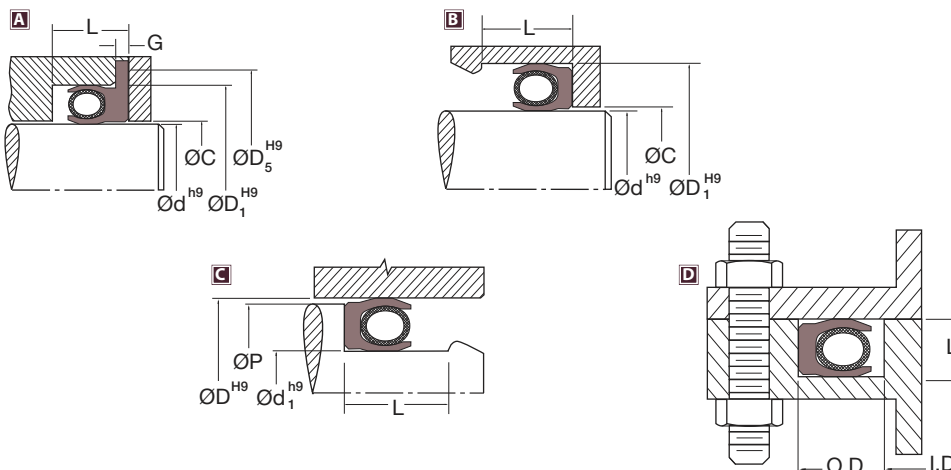
The 200 Series is available in three unique jacket materials to address a broad range of applications. Each seal jacket is used in combination with a high performance, stainless steel elliptical coil spring to ensure that positive sealing force is applied to the mating surface.



- *Unidirectional design accommodates excessive tolerances or misalignment*
- *Elliptical coil spring design, high load vs. deflection*
- *Miniature profiles accommodate small diameters*
- *All seals made to order, no equipment modifications required*
- *Custom designs and materials available upon request*

SPECIFICATIONS		
Material (designation)	Size Range mm (inch)	Temperature °C (°F)
AWC400 (PTFE) Carbon & graphite	1.2 to 2,032 (0.050 to 80)	-156 to 204 (-250 to 400)
AWC630 PEEK®	1.2 to 254 (0.050 to 10)	-73 to 204 (-100 to 400)
AWC610 UHMWPE	1.2 to 2,032 (0.050 to 80+)	-253 to 82 (-425 to 180)

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## PRODUCT PROFILES:



### To place an order: A

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Rod shaft diameter (d): \_\_\_\_\_  
 Bore diameter (D<sub>1</sub>): \_\_\_\_\_  
 Flange groove depth (G): \_\_\_\_\_

### To place an order: B

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Rod shaft diameter (d): \_\_\_\_\_  
 Bore diameter (D<sub>1</sub>): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_

### To place an order: C

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Piston groove diameter (d<sub>1</sub>): \_\_\_\_\_  
 Bore diameter (D): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_

### To place an order: D

Product profile: \_\_\_\_\_  
 Inner diameter (I.D.): \_\_\_\_\_  
 Outer diameter (O.D.): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_



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