

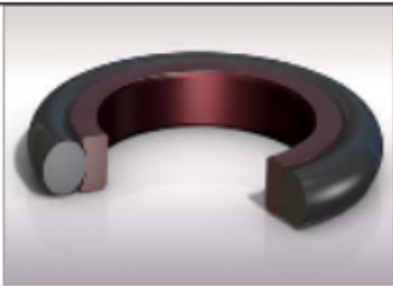
# CCS Rod and Piston Seals

*Dual component system for bi-directional sealing*

Chesterton® Custom Cap Seals (CCS) are custom manufactured, rod or piston mounted, bi-directional seals made from second generation PTFE. The second generation PTFE offers improved performance over conventional materials. Each seal is individually manufactured and provides excellent performance in single groove, double acting, hydraulic applications.

Each cap seal is made from our machining process which eliminates the need for tooling costs associated with new sizes. This cap seal design is comprised of a two-piece, sealing system that uses an elastomeric cap with an O-ring to create a very effective seal. The cap is used as the dynamic sealing element while the O-ring energizes the cap and creates a static seal.

Additional designs were developed to meet specific application and equipment needs. Both components are available in a range of engineered materials to best suit the specific operating requirements.



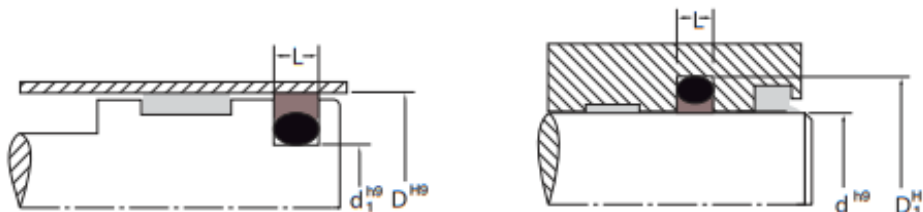
- *Second generation PTFE offers improved performance*
- *Compression seal design increases sealing force with system pressure*
- *Proven seal design provides predictable performance*
- *Sizes made to accommodate international standards including ISO and DIN*

## SPECIFICATIONS

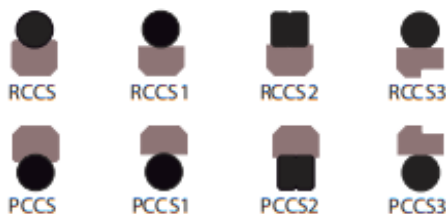
Cap Material (designation)	Size Range mm (inch)	Temperature °C (°F)	Pressure bar (psi)	Speed m/s (ft/min) Rotary/Reciprocating
*AWC800 (EU)	19 to 380 (3/4 to 15)	-35 to 85 (-30 to 185)	345 (5,000)	0.5 (100)/0.85 (185)
*AWC860 (EU)		-35 to 120 (-30 to 250)		0.75 (150)/1.25 (250)
**AWC220 (8% glass filled PTFE)		-35 to 120 (-30 to 250)		5.0 (960)/15 (3,000)
**AWC440 (10% carbon filled PTFE)		-35 to 120 (-30 to 250)		5.0 (960)/15 (3,000)
**AWC550 (60% bronze filled PTFE)		-35 to 120 (-30 to 250)		5.0 (960)/15 (3,000)

\*Buna energizer

\*\*FKM energizer



## PRODUCT PROFILES:



### To place an order:

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

### To place an order:

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



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Since its founding in 1884, A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

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- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

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