

# 22K Rod and Piston Seals

*Special geometry provides optimal hydraulic sealing*

The Chesterton® 22K is a single-acting, U-cup design with a special seal lip geometry that provides zero leakage throughout the entire operating range. The sturdy, static lip stabilizes the seal to prevent rolling while the dynamic lip design eliminates issues associated with low pressure sealing, provides additional stability, and eases installation. This seal design is offered as a rod or piston seal and provides excellent performance in hydraulic applications.

The 22K design is manufactured using a machining process which allows the flexibility to create any size based on equipment dimensions.

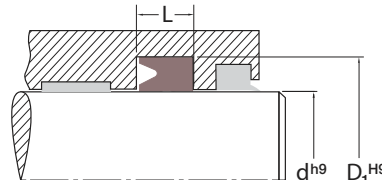
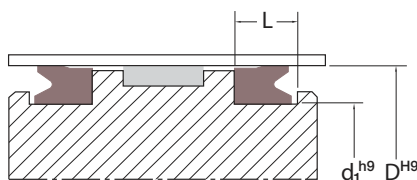
A number of additional designs have been derived from the original 22K design to address specific needs and applications in the market. These include the use of anti-extrusion rings for use in equipment with excessive clearances.



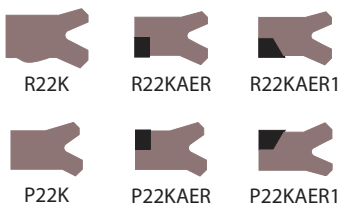
- *Single-acting, U-cup design, zero leakage throughout the entire operating range*
- *Abrasion-resistant design, excellent performance in hydraulic applications*
- *Lip geometry, stabilizes seal to prevent rolling and eases installation*
- *Machining process allows the flexibility to create any size*
- *Sizes made to accommodate international standards including ISO and DIN*

### SPECIFICATIONS

Material (designation)	Size Range mm (inch)	Temperature °C (°F)	Pressure bar (psi)	Speed m/s (ft/min)
AWC700 (FKM)	6 to 152 (1/4 to 6)	-30 to 200 (-20 to 400)	345 (5,000)	1.5 (300)
AWC800 (EU)	6 to 1320 (1/4 to 52)	-50 to 85 (-60 to 185)	1035 (15,000)	0.9 (185)
AWC830 (EU)	6 to 254 (1/4 to 10)	-35 to 75 (-30 to 165)	520 (7,500)	0.9 (185)
AWC860 (EU)	6 to 508 (1/4 to 20)	-50 to 120 (-60 to 250)	1035 (15,000)	1.25 (250)



### 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): \_\_\_\_\_



## GLOBAL SOLUTIONS, LOCAL SERVICE

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:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

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