

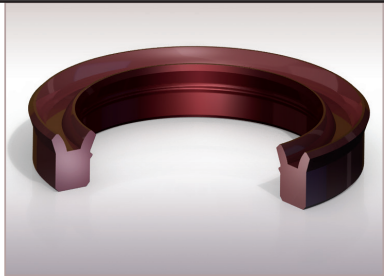
# 22K Rod and Piston Seals

*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.

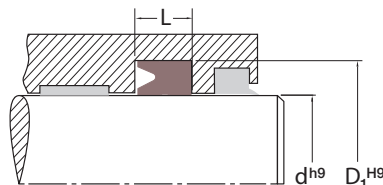
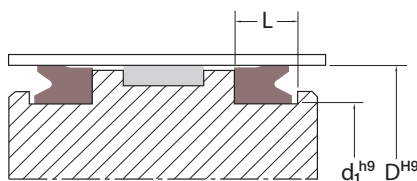
A number of additional designs have been derived from the original 22K design to address specific needs and applications in the market. These include the use of anti-extrusion rings for use in equipment with excessive clearances.



- *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)          |
| AWC825 (EU)            | 6 to 1400 (1/4 to 55) | -40 to 85 (-40 to 185)  | 517 (7,500)        | 0.5 (100)          |
| 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:



R22K



R22KAER



R22KAER1



P22K



P22KAER



P22KAER1

### 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

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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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