

# 8K and 27K Rod and Piston Seals

*Pressure sensitive, stacked set for hydraulic sealing*

The Chesterton® 8K and 27K are single acting, stacked V-ring sets with a positive rake design to provide optimum operating performance. Unlike conventional stacked sets, these designs make contact through the center to ensure even loading, longer sealing life, and with minimal gland pressure. These sets are available in split or solid designs and provide excellent performance in closed-cavity hydraulic applications.

The 8K is a compression molded stacked set that utilizes tooling to create a final product. The 27K is manufactured using a machining process which allows the flexibility to create any size based on equipment dimensions and eliminates tooling cost for new sizes. Each set incorporates a male and female adapter to align and support the sealer rings.

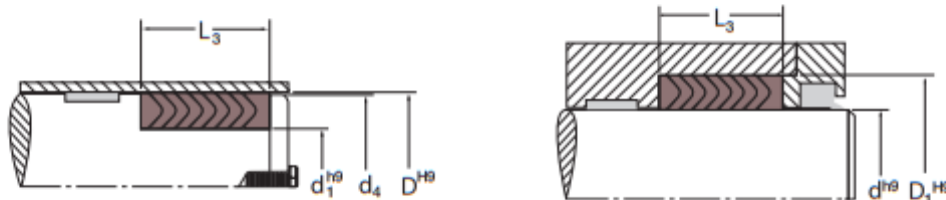
Additional profiles have been derived from the original 8K design to address specific needs and applications in the market. These include designs for excessive clearances and deep stuffing boxes.



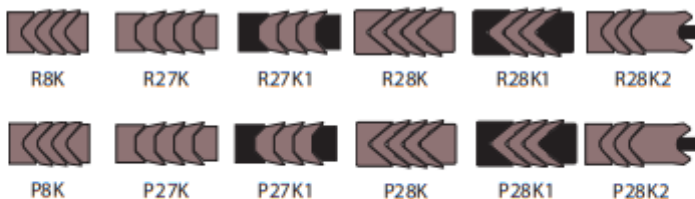
- Even stack load enables faster cycling with less friction and optimum sealing force
- Flared, pressure sensitive lip; sealing forces are reactive to pressure
- Delivered as split components for ease of installation
- Sizes made to accommodate international standards including ISO and DIN

## 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)
AWC805 (EU)	6 to 1320 (1/4 to 52)	-50 to 85 (-60 to 185)	1035 (15,000)	0.5 (100)
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:



### To place an order:

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Piston groove diameter ( $d_1$ ): \_\_\_\_\_  
 Cylinder bore diameter (D): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_

### To place an order:

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Rod or ram diameter (d): \_\_\_\_\_  
 Bore diameter ( $D_1$ ): \_\_\_\_\_  
 Working height ( $L_3$ ): \_\_\_\_\_



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