

# 14K Restriction Bushings

*Robust, restriction bushing for rotary equipment*

Chesterton® 14K restriction bushings are designed for use in rotary equipment to form a barrier between the sealing device in the stuffing box or the pump impeller housing and the fluid in the mixing tank. The restriction that is produced reduces flush requirements and helps to prevent suspended abrasive particles from entering the stuffing box area.

The 14K restriction bushings are manufactured using a machining process which allows the flexibility to create any size, based on equipment dimensions. Each bushing is individually manufactured and provides excellent performance in pumps, agitators, mixers, refiners, and other equipment.

The 14K's tapered lip design conforms to equipment eccentricities to minimize the annular gap formed around the rotating shafts, thereby creating the smallest possible free flow area for controlling flush flow rates. A secondary beneficial effect of increasing pressure drop with the 14K is that the flush around the shaft becomes very uniform, which is critical in preventing particulates from entering the stuffing box envelope.

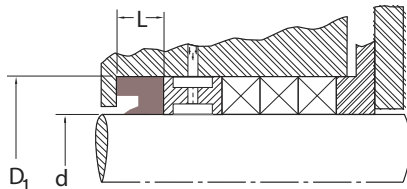
## SPECIFICATIONS

Material (designation)	Size Range mm (inch)	Temperature °C (°F)	pH range
AWC520 (PTFE)	25 to 355 (1 to 14)	Up to 200 (400)	0-14
AWC800 (EU)	25 to 355 (1 to 14)	Up to 185 (185)	4-10

## Flow rates — approximated for water by the following formulas

Flow rate, liter/min =  $([0.115 \times \Delta \text{ pressure, bar}] + [0.064]) \times \text{shaft diameter, mm}$

Flow rate, gallon/min =  $([0.053 \times \Delta \text{ pressure, psi}] + [0.43]) \times \text{shaft diameter, inch}$



## PRODUCT PROFILES:



R14K



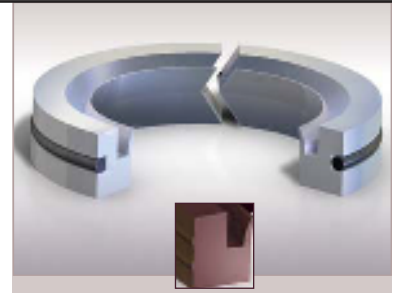
R14KRB2P



R14KRBS



R14KPF



- Split design, simplifies installation
- Prevents particles from entering the stuffing box, extending packing and seal life
- Tapered lip design controls fluid bypass and helps increase pumps efficiency
- Dual materials available, plant-wide usage
- Designed for pumps of all types including agitators, mixers, and refiners

## To place an order:

Product profile: \_\_\_\_\_

Material: \_\_\_\_\_

Rod shaft diameter (d): \_\_\_\_\_

Bore diameter (D<sub>1</sub>): \_\_\_\_\_

Groove height (L): \_\_\_\_\_



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