

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.

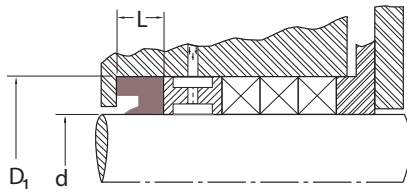
SPECIFICATIONS

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



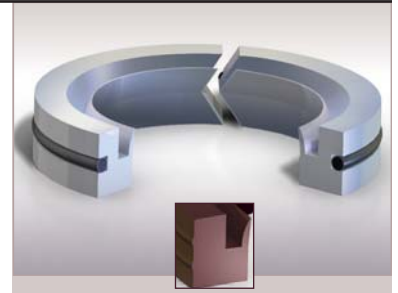
R14KRB2P



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 (D₁): _____

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

Visit our website at
www.chesterton.com

Chesterton ISO certificates available on www.chesterton.com/corporate/iso

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.
A.W. CHESTERTON COMPANY DISCLAIMS ALL WARRANTIES EXPRESSED, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. LIABILITY, IF ANY, IS LIMITED TO PRODUCT REPLACEMENT ONLY.
ANY IMAGES CONTAINED HEREIN ARE FOR GENERAL ILLUSTRATIVE OR AESTHETIC PURPOSES ONLY AND ARE NOT INTENDED TO CONVEY ANY INSTRUCTIONAL, SAFETY, HANDLING OR USAGE INFORMATION OR ADVICE RESPECTING ANY PRODUCT OR EQUIPMENT. PLEASE REFER TO RELEVANT MATERIAL SAFETY DATA SHEETS, PRODUCT DATA SHEETS AND/OR PRODUCT LABELS FOR SAFE USE, STORAGE, HANDLING AND DISPOSAL OF PRODUCTS OR CONSULT WITH YOUR LOCAL CHESTERTON REPRESENTATIVE.



DISTRIBUTED BY:

860 Salem Street
Groveland, MA 01834 USA
Telephone: 781-438-7000
Fax: 978-469-6528
www.chesterton.com

© A.W. Chesterton Company, 2009. All rights reserved.
® Registered trademark owned and licensed by
A.W. Chesterton Company in USA and other countries.

FORM NO. EN22242

PRINTED IN USA 7/09