

# 20KD Face and Static Seals

*O-ring upgrade for static sealing*

Chesterton® 20K D-ring is a continuous compression seal designed for use in static applications and is often applied as an upgrade from conventional face seals or O-ring designs. This design provides excellent performance in applications found in hydraulic or pneumatic equipment including flange and valve control units.

Each seal is individually manufactured from our unique machining process which eliminates the need for tooling costs associated with new sizes.

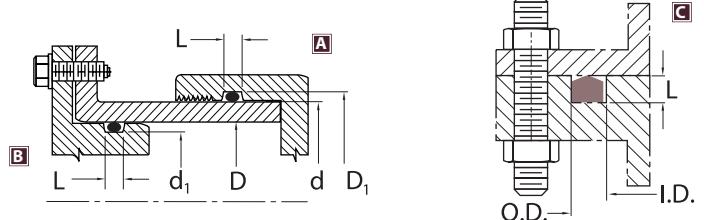
A continuous, high performance compression seal that is most commonly designed for use in static applications and is often applied as an upgrade from conventional O-rings. Designs are available for internal face sealing as well as external face sealing commonly found in single- or double-acting applications.



- Upgrade performance of conventional face seal and O-ring designs
- Superior wear extrusion and resistance versus conventional materials
- Low compression set characteristics
- Unique manufacturing 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)
AWC700 (FKM)	6 to 152 (1/4 to 6)	-30 to 200 (-20 to 400)	345 (5,000)
AWC800 (EU)	6 to 1320 (1/4 to 52)	-50 to 85 (-60 to 185)	1035 (15,000)
AWC825 (EU)	6 to 1400 (1/4 to 55)	-40 to 85 (-40 to 185)	517 (7,500)
AWC830 (EU)	6 to 254 (1/4 to 10)	-35 to 75 (-30 to 165)	517 (7,500)
AWC860 (EU)	6 to 508 (1/4 to 20)	-50 to 120 (-60 to 250)	1035 (15,000)



## PRODUCT PROFILES:



R20KDR



20KDRFS



P20KDR



OR1

## To place an order: A

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Rod or ram diameter (d): \_\_\_\_\_  
 Bore diameter (D<sub>1</sub>): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_

## To place an order: B

Product profile: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Piston groove diameter (d<sub>1</sub>): \_\_\_\_\_  
 Cylinder bore diameter (D): \_\_\_\_\_  
 Groove height (L): \_\_\_\_\_

## To place an order: C

Product profile: \_\_\_\_\_  
 Inner diameter (ID): \_\_\_\_\_  
 Outer diameter (OD): \_\_\_\_\_  
 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](http://www.chesterton.com)

Chesterton ISO certificates available on [www.chesterton.com/corporate/iso](http://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](http://www.chesterton.com)

© 2016 A.W. Chesterton Company. All rights reserved.  
© Registered trademark owned and licensed by  
A.W. Chesterton Company in USA and other countries.

FORM NO. EN75558-20KD

PRINTED IN USA 7/16