

20K Rod and Piston Seals

Heavy duty bi-directional, low speed hydraulic sealing

Chesterton® 20K Duoseal is a continuous, bi-directional compression seal with dual independent sealing points. The robust, durable, dual lip profile was specifically designed for single groove cavities in heavy duty, high pressure, hydraulic applications.

The 20K Duoseals are made from our unique machining process which eliminates the need for tooling costs associated with new sizes. The heavy duty seal design has the ability to withstand pressure spikes while helping to reduce the effects of side loading.

Additional designs were developed to meet specific application and equipment needs including the incorporation of various anti-extrusion devices for combating excessive clearances and pressure spikes.



- Double acting, high pressure, hydraulic applications >35 bar (500 psi)
- Ideal replacement for 2, 3, or 4 piece cap seal assemblies
- 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)	Speed m/s (ft/min)
AWC700 (FKM)	6 to 152 (1/4 to 6)	-30 to 200 (-20 to 400)	345 (5,000)	0.75 (150)
AWC800 (EU)	6 to 1320 (1/4 to 52)	-50 to 85 (-60 to 185)	1035 (15,000)	0.5 (100)
AWC830 (EU)	6 to 254 (1/4 to 10)	-35 to 75 (-30 to 165)	520 (7,500)	0.5 (100)
AWC860 (EU)	6 to 508 (1/4 to 20)	-50 to 120 (-60 to 250)	1035 (15,000)	0.62 (125)



PRODUCT PROFILES:



To place an order:

Product profile: _____
 Material: _____
 Rod or ram diameter (d): _____
 Bore diameter (D₁): _____
 Groove height (L): _____

To place an order:

Product profile: _____
 Material: _____
 Piston groove diameter (d₁): _____
 Cylinder bore diameter (D): _____
 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

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