

# 30K Bearing and Gearbox Protection

*Advanced lip seal for bearing and gearbox protection*

Chesterton® 30K lip seals are high performance lip seals that are ideal for dynamic rotary seal applications. These seals prevent penetration of external contaminants from entering the housing and provide excellent service in bearing and gear box applications that utilize conventional oil lip seals.

The 30K is manufactured individually, using our unique machining process, which eliminates the need for tooling costs associated with new sizes. The 30K is offered in other unique designs based on your application requirements—whether a built-in wiper is required or space limited.

The unique 30K lip seal design is mechanically formed to provide optimal sealing force and is available in four distinct PTFE materials developed specifically for sealing applications. The PTFE compounds, coupled with the seal design, provide excellent fluid compatibility and outstanding performance.

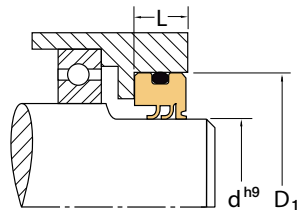


- High performance lip seals prevent contaminants from entering housing
- Mechanically formed designs provide optimal sealing force to extend MTBR
- Machining process allows the flexibility to create any size without tooling cost
- Static O-ring seal prevents rotation and allows for easy installation
- Unique materials ensure plant-wide usage

## SPECIFICATIONS

Material (combination) (adapters/sealer rings)	Size Range mm (inch)	Temperature °C (°F)	Speed m/s (ft/min)	Pressure bar (psi)	Recommended use	Mating surface (Rockwell C)
AWC100 (PTFE) Polyimide	19 to 203 (0.750 to 8)	-20 to 149 (-30 to 300)	Up to 20 (4000)	0.7 (10)	Excellent dry Excellent low viscosity No water and steam	≥45
AWC300 (PTFE) Molybdenum & glass					Excellent high viscosity Good dry and good in water	≥55
AWC400 (PTFE) Carbon & graphite					Excellent in water Good dry and low viscosity	≥55
AWC510 (PTFE) Mineral (FDA listed)					Excellent dry Good in water and steam No petroleum liquids	≥45

Performance depends on concurrent conditions including shaft hardness, shaft surface roughness, material, lubrication, temperature and pressure.



## PRODUCT PROFILES:



30K



30KW



30KSW



30KB



30KWB

### To place an order:

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

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

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

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

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



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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:

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- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

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