

33K Bearing and Gearbox Protection

Unitized split seal for bearing and gearbox protection

The Chesterton® patent pending 33K split design eliminates the need and associated costs for equipment disassembly while improving seal performance of conventional lip seals. This innovative split technology, prevents penetration of external contaminants from entering the housing to provide excellent service in bearing and gear box applications.

The 33K is manufactured using our unique machining process that eliminates the need for tooling costs associated with new sizes. The seal can be installed in either direction which allows the end user to locate sealer rings away from a previously damaged shaft.

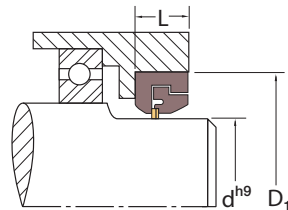
The seal is a combination of two different material types. The unitized housing is made from abrasion-resistant thermoset polyurethane that energizes and provides easy mounting to the equipment. The sealing interface is made from high performance, filled PTFE material developed specifically for sealing applications.

SPECIFICATIONS



Material (adapters/sealer rings)	Size Range mm (inch)	Temperature °C (°F)	Speed m/s (ft/min)	Pressure bar (psi)	Recommended use	Mating surface (Rockwell C)
AWC800 Adapters (EU)						
AWC100 (PTFE) Polyimide	25 to 673 (1 to 26.5)	85 (185)	12,7 (2,500)	0.07 (1)	Excellent dry Excellent low viscosity	≥45
AWC300 (PTFE) Moly and glass	25 to 673 (1 to 26.5)	85 (185)	12,7 (2,500)	0.07 (1)	Excellent high viscosity Good dry and good in water	≥55
AWC400 (PTFE) Carbon & graphite	25 to 673 (1 to 26.5)	85 (185)	12,7 (2,500)	0.07 (1)	Excellent in water Good dry and low viscosity	≥55
AWC860 Adapters (EU)						
AWC100 (PTFE) Polyimide	25 to 673 (1 to 26.5)	121 (250)	12,7 (2,500)	0.07 (1)	Excellent dry Excellent low viscosity	≥45
AWC300 (PTFE) Moly and glass	25 to 673 (1 to 26.5)	121 (250)	12,7 (2,500)	0.07 (1)	Excellent high viscosity Good dry and good in water	≥55
AWC400 (PTFE) Carbon & graphite	25 to 673 (1 to 26.5)	121 (250)	12,7 (2,500)	0.07 (1)	Excellent in water Good dry and low viscosity	≥55

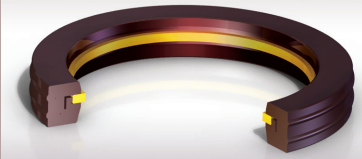
Performance depends on concurrent conditions including shaft hardness, shaft surface roughness, material, lubrication, temperature, and pressure.



PRODUCT PROFILES:



33K



FAST

Split design eliminates the need for equipment disassembly

EASY

Unitized design provides easy mounting to the equipment

RELIABLE

Proven to outperform conventional lip seals

■ *Flexible design, locate sealer rings away from previously fretted shaft*

■ *Large sizes available, cost effective solution to equipment teardown*

To place an order:

Product profile: _____

Material: _____

Rod shaft diameter (d): _____

Bore diameter (D₁): _____

Groove height (L): _____



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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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