

33K SBP

Split Bearing Protection Seal

Product Data

The innovative 33K split design eliminates the need and associated costs for equipment disassembly while improving seal performance of conventional lip seals.

The 33K can be used in many applications including bearing protection for pumps, gearboxes and rollers. Installation time can be reduced from hours to minutes because the split assembly is unitized installing quickly and easily.

The seal is a combination of two different material types.

- The monolithic housing is made from a 95A durometer 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.



Reduce Downtime

The patent pending split design eliminates the need and associated costs for equipment disassembly.

Lower Maintenance Costs

No need for equipment modification since all seals are made to order.

Increase Reliability

High performance materials are field-proven to outperform conventional seals.

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No Need To Disassemb	ole Equipment	Cape A	Nig-	
Material Selection & Ty	pical Application	IS*		
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PTFE Compound	Dry	Water	Petroleum Based Liquids
AWC 100 - Polyimide Filled	Excellent		Excellent-Low Viscosity
AWC 300 - Moly & Glass Filled	Good	Good	Excellent-High Viscosity (>2,000 cp)
AWC 400 - Carbon & Graphite Filled	Good	Excellent	Good

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



Recommended Surface Finishes – μ inch (μ m) • Static Surface 4 16 24 32 • Dynamic Surface (0.1) (0.4) (0.6) (0.8)

Recommended Mating Surface Hardness AWC 100 AWC 300 AWC 400 >45 Rockwell C >55 Rockwell C >55 Rockwell C



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Cross Sectional Drawing of Equipment



Shaft Diameter (d)	*Equipment Cross Section (S)	*Groove Height (L)
0.750 ≤ 7.000 inch (19 ≤ 177 mm)	$0.187 \le 1.250$ inch $(4,7 \le 31 \text{ mm})$	0.210 ≤ 1.135 inch (5 ≤ 28,5 mm)

* Maximum and minimum groove heights and equipment cross sections will vary by shaft diameter.



ISO certifications available at www.chesterton.com/corporate/iso

Cross section = S

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