

The MBE-Barrier Seal

The 21st century Hub Seal

This unique seal has been developed using the latest technology and materials and is manufactured to the Automotive standard ISO-TS16949. The seal addresses two key reasons for premature failure, installation damage and entry of dirt into the seal. The MBE-Barrier seal is available in both Standard Material (MBEB) and Premium Material (MBEBP), so that it can replace any existing seal. The seals are fitted in a fraction of the time that traditional seals take to fit, in Truck/Trailer and Bus/Coach applications, saving both time and money!

Key Benefits:

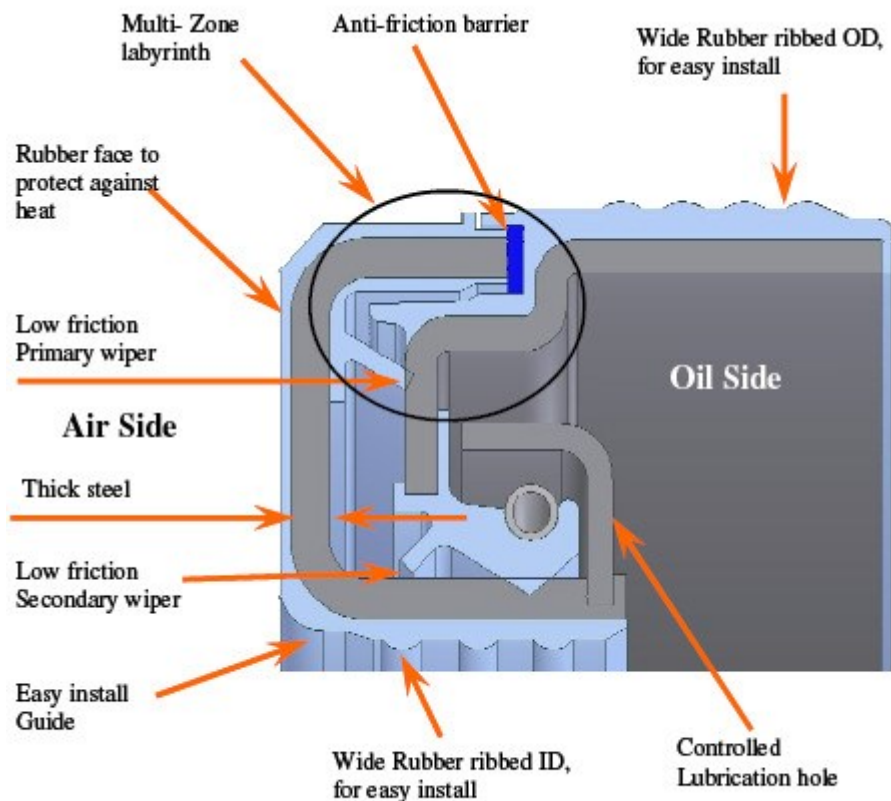
- ❖ Easy to fit - any tool will work, even your hands!
- ❖ Impossible to damage during installation
- ❖ Standard & premium versions available
- ❖ Unrivalled protection against contaminants
- ❖ Eco-friendly, with low friction from the outset
- ❖ Match any warranty



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Three Unique Features - One Superior Seal

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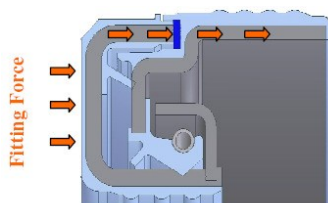
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1. Easy-Fit Tough Design

One of the main objectives when designing the seal was to eradicate the largest reason for premature seal failures - Installation damage. This has been done by designing the stiffest profile and using the thickest steel ever used for a seal, right at the front face. The rubber OD beads allow for the minimum fitting force required, and the low friction barrier ensures maximum transmission of the fitting forces to the Seals OD.

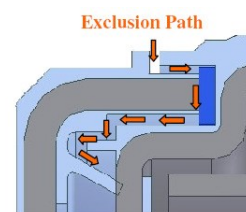


2. Low Friction Bumper

The Low Friction bumper performs two major functions which other seals simply have not got. Firstly, the bumper transmits the fitting force from the front of the seal to the Seal OD in a far more efficient manner than any other seal. Most other seals have a rubber bumper, which acts like a brake, thus increasing the required torque, creating excessive temperatures, and ultimately more fuel to turn the seal. This can last a few hundred hours until the rubber eventually goes hard. Secondly, the bumper acts as the first contacting defence against dirt ingress, as part of the multizone labyrinth protection System.

3. Multi-zonal Labyrinth

Using the Latest Labyrinth Technology, the MBE-Barrier seal Provides the best protection and the lowest friction on the market. The combination of low profile section right angle corners, low friction barrier, two rubber wipers and a specifically formulated water proof grease, to both lubricate and keep water out, ensures this is the best seal at keeping dirt, grit water and ice out on the market.



Materials

The material properties are key to achieving maximum life of the seal. With this in mind, thousands of hours have been spent in developing and testing the materials. Due to the varying conditions of different applications and to offer the right balance of cost and required performance, the MBE-Barrier Seal is offered as two material options, the *Standard* and the *Premium*, as shown in the following table.

STANDARD SEALS				
	BARNWELL	SKF/CR	NATIONAL	Stemco
Application	Standard Material	Classic	37 Series	Voyager
Drive	MBEB703	38780	370023A	393-0112
Drive	MBEB710	45099	370022A	393-0103
Drive	MBEB709	47697	370003A	393-0173
Steer	MBEB704	35066	370001A	383-0136
Steer	MBEB705	43764	370048A	383-0164
Trailer	MBEB708	40136	370036A	373-0113
Trailer	MBEB701	42623	370065A	373-0123
Trailer	MBEB702	46305	370025A	373-0143

PREMIUM SEALS				
	BARNWELL	SKF/CR	STEMCO	DANA
Application	Premium Material	Plus XL	Discover	Outrunner
Drive	MBEBP803	38776	393-0212	849
Drive	MBEBP810	45093	393-0203	856
Drive	MBEBP809	47692	393-0273	861
Steer	MBEBP804	35058	383-0236	847
Steer	MBEBP805	43761	383-0264	863
Trailer	MBEBP808	40129	373-0213	850
Trailer	MBEBP801	42627	373-0223	851
Trailer	MBEBP802	46300	373-0243	859

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