

Type W Axial Shaft Seals

Type W Features:

- *Uniform Loading*
- *Elimination of Spring*
- *Endures Wet and Abrasive Conditions*
- *No Wear on Shaft or Housing Components*

Product Description

Off road and earth moving equipment must endure extreme service conditions that would quickly destroy common elastomeric lip seals. The drive components on such machines require stronger seal performance to keep out dirt, water, rock and mud while maintain positive lubrication retention. The classic dual metal face mechanical seal design in conjunction with unique DMR™ materials offers a versatile solution to such conditions for any type of equipment that must endure wet and abrasive conditions.

The DMR™ Type W Mechanical Seal consists of two identical steel rings and rubber bellville washers. The seal operates by preloading the two rubber washers and floating the two polished steel faces between them within the seal chamber. The advantage of this design is uniform loading throughout the seal's life, elimination of springs that can be jammed by contaminants and zero wear on expensive shaft or housing components.

The super tough materials that make the DMR™ Type W Mechanical Seal are selected for their corrosion and abrasive resistance and can be used in any low speed application that must endure such extreme conditions.



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Operating Parameters

| | |
|---|---------------|
| <i>Maximum Speed</i> | |
| <i>Intermittent</i> | 750 FPM |
| <i>Continuous</i> | 350 FPM |
| <i>Lubrication</i> <i>(Oil level with the centre of the shaft)</i> | SAE 10W40 |
| <i>Maximum Internal Pressure</i> | |
| <i>Intermittent</i> | 50 psi |
| <i>Continuous</i> | 25 psi |
| <i>Temperature Range</i> | -40°C to 90°C |

Construction

| | |
|----------------------------------|----------------------------------|
| <i>Floating Steel Rings</i> | 15Cr3Mo Cast Alloy |
| <i>Rubber Belleville Washers</i> | Nitrile Buna Rubber 60 Durometer |

Applications

- Off Road Equipment
- Earth Moving Equipment
- Mining Equipment
- Material Handling Machinery
- Agricultural Machinery

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