



DO



DF

Loader Materials	Duro. Shore A	Temp. Range	
Nitrile (NBR)	60 ± 5	-35°C	to 100°C
Hydrogenated Nitrile (HNBR)	60 ± 5	-30°C	to 150°C
Silicone (VMQ)	60 ± 5	-50°C	to 200°C
Fluorocarbon (FKM)	60 ± 5	-10°C	to 180°C

Seal Ring Materials
Steel
Cast Iron
Carbon Steel
Nickel Alloy Steel

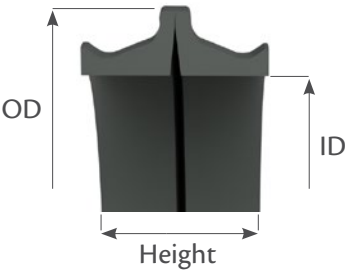
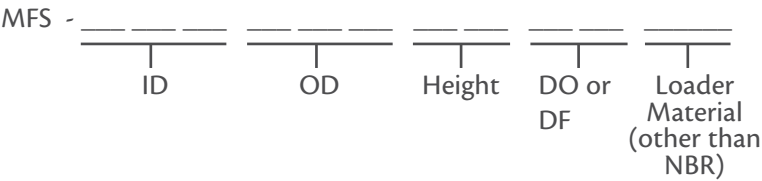
Product Description:

Our mechanical face seals, also known as floating seals, duo cone seals, lifetime seals, heavy-duty seals, or toric seals, are critical components for heavy-duty rotational applications. They are engineered to perform reliably in harsh environments with dirt, dust, mud, water, and aggressive fluids, while effectively protecting the internal grease or oil from leaking. These seals are key components in heavy-duty machinery and equipment, including:

- Excavators
 - Bulldozers
 - Loaders
- Tractors
 - Harvesters
 - Dump Trucks
- Haul Trucks
 - Cutter Rollers
 - Mining Conveyors
- Forestry Equipment
 - Tunnel Boring Machine
 - Cement Trucks and Concrete Mixers

Mechanical face seals consist of two half sets, each with a seal ring and an elastomer loader. The other seal ring remains static in its house while the other rotates in its counterface. They are available in DO and DF profiles. DO profile uses an O-Ring elastomer material as a secondary sealing element. DF profile has an elastomer with a diamond-shaped cross-section as a secondary sealing element and commonly used to handle more severe applications.

Part Numbers:



Can be DO or DF loaded

Example: MFS 10311720DOSIL – Mechanical Face Seal, 103.00 mm ID, 117.00 mm OD, 20.00 mm Height, O-Ring Loaded, VMQ Loader