

Low-Friction Engine Seal



Our low friction torque solution provides a flawless dynamic seal at the front and rear crankshaft bearings. It can be assembled in the oil pump when fitted to the end of the crankshaft. Its design helps to significantly reduce weight and axial size. Compared with an equivalent PTFE seal, our seal reduces friction by 30%.

- Products Family: **Shaft Seals**

Technical Features

- Friction torque reduced by 30% compared with equivalent PTFE oil seal.
- Pressure resistance : 1 bar. Vacuum resistance of : -200 mbars.
- The soft sealing lip makes assembly easy.
- Saves axial space on the length of the engine.
- High resistance to new engine oils and ethanol.

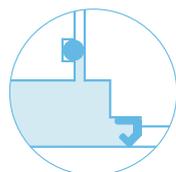
Benefits

Fuel efficient Downsizing

Market and Expertise



**AUTOMOTIVE &
TRUCKS**



**PRECISION
SEALING SYSTEMS**

All products families



Shaft Seals

They ensure the perfect sealing on rotating, or translating shafts under a large range of temperature. Our Dynamic Seals maintain lubricants in engines and transmissions while avoiding any foreign particles or fluid pollution.



Bearing Seals

Our Bearing Seals guarantee the sealing for wheel, clutch, belt-tensioner or suspension bearings. Compounds, friction surfaces and lubricants are chosen and designed for lowering the energy consumption.



Bonded Pistons

They transfer very rapidly hydraulic pressure to rotate or translate mechanical elements like clutches. Our compact design, associating homemade compounds and metallic or plastic inserts, offers a power efficient solution.



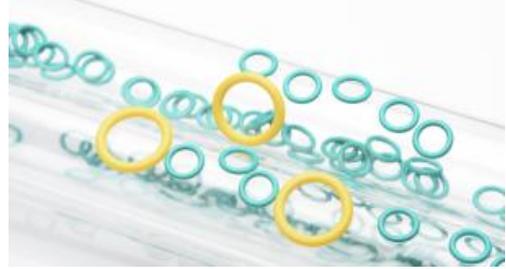
Magnet rings

Thanks to the magnet pattern printed in an elastomeric or plastic compound, our Encoders can accurately provide position, direction and speed of a rotating shaft. You find it operating in engines, transmissions and ABS systems.



Precision Static Seals

Braking, fuel, oil, air, water systems are operational if they do not leak. Their reliability results from our Precision Static Seals, made of approved materials, tailor made designs and mastered processes.



O-Rings

Our O-Rings ensure perfect static and dynamic seals between two parts assembled radially (shafts) or axially (covers). Our O-Rings can withstand the most extreme temperatures and fit in the smallest spaces.



Grommets and Hole Covers

Our Grommets and Hole Covers let only a wire harness or the steering column pass through the wall. No dust, no water, damped sounds and controlled heat flows are its goals. Thanks to our designs and proprietary materials.



Bonded and Overmolded Seals

We provide highly effective static sealing solutions with maximum resistance to very high pressure and temperature such as: Access Panels, Flange Seals, Interface Seals, DT Seals.