

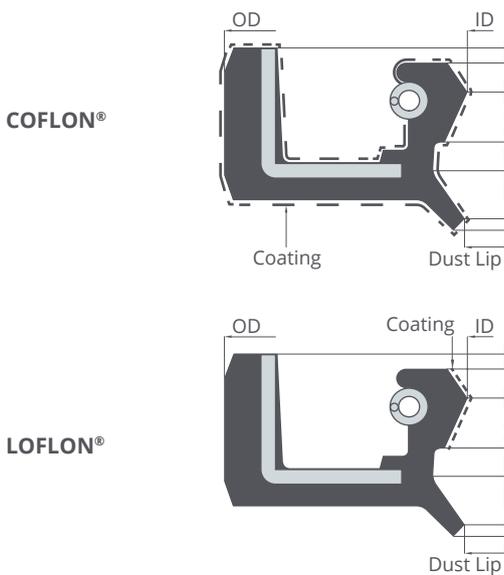


ROTARY SHAFT OIL SEALS AND CUSTOM MADE ARTICLES IN ELASTOMER AND RUBBER-TO-METAL

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COFLON® AND LOFLON® SURFACE COATING

Examples of coated seals



FP introduces you to its brand new special PTFE coating treatment. This treatment can be done on any surface for any of the oil seal types produced by FP and ATS. It consists of a bright blue PTFE coating applied on the external surface of the seals, and proposed in two different versions:

COFLON® – when the coating is done on the whole surface of the seal.

LOFLON® – when the coating is done on a localized surface of the seal: the sealing lip.

Thanks to a very unique technology, FP developed this treatment that lays 8 to 10 µm of a PTFE-based special chemical coating on the surface of the seals, while maintaining the same elasticity and the same resilience of the material to which is being applied. It enhances the wear resistance and the lubricity of the seals. No matter what rubber compound the seals are made of, this treatment guarantees you to have the best performances, by having:

- Improved wear resistance, and reduced friction coefficient;
- Improved non-stick and antifriction properties;
- Increased scratch resistance;
- Improved corrosion resistance;
- Improved thermal stability, and resistance to UV.



TGU COFLON®



TGU LOFLON®



TGU-MTV COFLON®



TGU-MTV LOFLON®

COMPOUND	COATING	FRICTION (N)
NBR	COFLON® Blu (special FP)	0,53
NBR	Silicone	0,79
NBR	Mikro Talk	0,95

Tests coefficient of friction (norm ASTM D 1894-81)

The method used for the definition of the wear coefficient is described in the norm ASTM D 1894-08. The values are obtained using the friction-gauge MECMESIN M500E for laboratory analysis on O-Rings. The given values for COFLON® blue achieved on the compound NBR are replicable and will not change if tested on other elastomers. This evidences that the treatment we are proposing confers much higher surface wear resistance and friction resistance in comparison to other similar treatments like the silicone one. Moreover the COFLON® and LOFLON® treatments do not simply coat the surface; they bound to the compound with an etching process. This makes it very difficult to remove the coating, even in harsh environments.

For further information on all our seals, please check our web page or contact our offices.