

Cassette Seal

TYPE

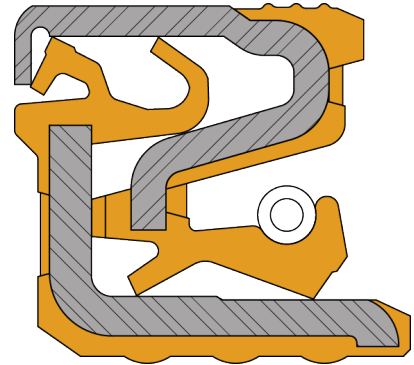
ST16

Features

The half-covered rubber O.D. ensures a secure metal-to-metal press fit, while the spring-loaded sealing lip with a plunge-ground sleeve enhances sealing efficiency. An internal labyrinth design offers robust dirt protection, and the grooved rubber I.D. ensures a reliable static seal with smooth installation. Grease-infused lips and bumpers further optimize internal lubrication.

Material

Rubber: NBR (Standard)
Case: JIS G3141 SPCC (Standard)
Spring: JIS G3521 SW-C (Standard)



Operating Conditions

Media

Mineral Oil, Synthetic Oil, Greases

Temperature

NBR: -40 ~ 80°C

Pressure

$P \leq 0.5 \text{ bar}$

Speed

$V \leq 4 \text{ m/s}$

NOTE:

1. The maximum operating temperature for NBR materials must not exceed 80°C.
2. Maximum permissible values depend on the other operating conditions.
3. Speed specification: DIN 3760 not applicable.



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Fitting and Installation

Careful installation according to DIN 3760 ensures the sealing function of the oil seal.

Shaft

Tolerance: ISO h8

Roughness: Ra 1.6 ~ 3.2 μm

Runout: < 0.25 mm

Bore

Tolerance: ISO H8

Roughness: Ra 1.6 ~ 3.2 μm



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