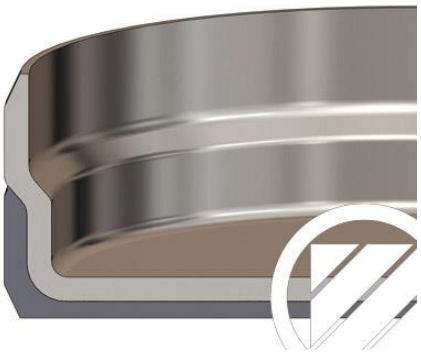
DICHTOMATIK
Any seal. Any time.



VER 02

Cover seal, semi-shoulder design with a smooth partly rubber-coated outer surface.

DESCRIPTION

Product group: Cover seal
Design:
01 = elastomer outer surface
02 = semi-shoulder design
03 = elastomerer outer surface grooved
Seal material: NBR 70, NBR 70
Colour: black
Seal material: FKM 80
Colour: brown
Stiffening ring: non-alloy steel according to DIN EN 10139

AREAS OF APPLICATION

Cover seals serve the secure sealing of openings for shaft or axle apertures. They are often used in transmissions and for bearing blocks.

SPECIAL MODELS

Any special model required can be manufactured according to the customer's specifications or developed by our engineering department according to the customer's requirements and made ready for production.

FUNCTION

The semi-shoulder design combines the advantages of an elastomer and metal outer coating, the secure static sealing and firm seating and exact fit in the bore. Due to the influence of the metal outer surface, good centring is ensured during installation.

MEDIEA

NBR
Good chemical resistance to many mineral oils and lubricants. Medium ageing resistance.

OPERATIONAL APPLICATION LIMITS

Pressure (MPa/bar): 0,05/0,5
With higher pressures the cover seal should be secured by e.g. a circlip.
NBR: Temperature -30°C to +100°C

INSTALLATION

It is important to ensure correct installation. It is preferable to use a hydraulic or mechanical press device to press the sealing cap into the housing bore-hole. This grips the sealing cap on a broad area of its outer side so that the pressure is applied as closely as possible to the outside diameter. Please note that the press device should be held at its highest setting for a while. This will reduce the recoil or slanted positioning of the sealing cap to a minimum.

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STORAGE

Generally speaking, elastomers are suitable for storage. They remain almost unchanged in their properties for years, provided that certain minimum requirements regarding storage conditions are observed. These are described in DIN 7716 and ISO 2230.

The seals must be stored stress-free, i.e. without tension, pressure or other forms of deformation.

The seals should be protected from excessive ventilation, especially draughts. Storage in packaging, e.g. polythene bags or airtight containers, is recommended.

The storage location should be cool, dry, dust-free and moderately ventilated. A constant storage temperature is optimal. It should be no lower than -10°C and no higher than +20°C.

Heaters in storage rooms should be screened and placed at a distance of at least 1m from the stored goods.

Relative humidity should not exceed 65%. Strong light, especially UV rays and direct sunlight should be avoided.

Electrical devices that produce ozone should not be placed in storage rooms for elastomers.

REMARKS

The nominal widths mentioned on the following pages represent the standard dimensions.