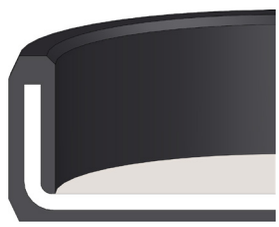
DICHTOMATIK
Any seal. Any time.

COVER SEALS



Cover seals provide the secure closure of bores, bearings and shaft feedthroughs.

Cover seals from DICHTOMATIK consist of a metallic, partly encapsulated stiffening ring. The elastomer outer casing provides good static sealing.

APPLICATIONS

- Transmissions
- Bearing block sealing
- Split housings
- Light metal housings
- Sealing of thin flowing or gaseous media

DIMENSIONS

The currently available dimensions can be found on our website as well as in our web shop at www.dichtomatik.com. In addition, any desired special format can be produced to customer specifications or can be developed in our development department.

INSTALLATION SPACE AND MOUNTING

A properly executed mounting is the basic requirement for a functional seal. The use of a hydraulic or mechanical press-in device is the preferred way to press the cover seal into the housing bore. It engages extensively on the exterior of the end cap, so the pressing force acts as tightly as possible on the outer diameter. To minimize the rebound or oblique positioning of the cover seal, the press-in device must be held for a certain period of time in the final position.

The design of the mounting hole conforms to guidelines under DIN 3760 for radial shaft seal rings. The ISO tolerance zone H8 must be provided in accordance with DIN ISO 286 for the bore diameter d2.

YOUR ADVANTAGES AT A GLANCE

- Exclusive use of highly resistant NBR and FKM materials
- Use across a wide range of temperatures
- Secure closure of bores
- Stiffening ring made of unalloyed steel in accordance with DIN EN 10139
- Three different design formats with an elastomer outer casing, as a half-shoulder design, or with an elastomer, grooved outer casing
- Special profiles can be created

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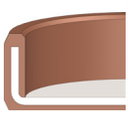
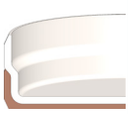
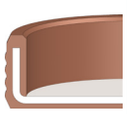
Profile	Name	Color	Material	Shore A hardness	Temperature °C	Pressure (MPa/bar)	Special features
	VER 01	black	NBR	70	-30 to +100	0,05/0,5	• With elastomer outer casing • Good chemical resistance to many mineral oils and greases. Medium resistance to aging
	VER 01	brown	FKM	80	-20 to +200	0,05/0,5	• With elastomer outer casing • Resistance: mineral oils and greases, synthetic oils and greases, engine, transmission, ATF oils and fuels. Broad resistance to chemicals and solvents as well as very good resistance to aging and ozone
	VER 02	black	NBR	70	-30 to +100	0,05/0,5	• Half-shoulder design • Good chemical resistance to many mineral oils and greases. Medium resistance to aging
	VER 02	brown	FKM	80	-20 to +200	0,05/0,5	• Half-shoulder design • Resistance: mineral oils and greases, synthetic oils and greases, engine, transmission, ATF oils and fuels. Broad resistance to chemicals and solvents as well as very good resistance to aging and ozone
	VER 03	black	NBR	70	-30 to +100	0,05/0,5	• Elastomer, grooved outer casing • Good chemical resistance to many mineral oils and greases. Medium resistance to aging
	VER 03	brown	FKM	80	-20 to +200	0,05/0,5	• Elastomer, grooved outer casing • Resistance: mineral oils and greases, synthetic oils and greases, engine, transmission, ATF oils and fuels. Broad resistance to chemicals and solvents as well as very good resistance to aging and ozone

A circlip is needed at higher pressures.