

# END CAPS



**End caps provide the secure closure of bores, bearings and shaft feedthroughs.**

End caps from the brand 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 [dichtomatik.fst.com](https://dichtomatik.fst.com) or on our online ordering platform **EASY**.

## 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 end cap 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 end cap, 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  $d_2$ .

## 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

## End caps

Profile	Type	Color	Material	Hardness (Shore A)	Temperature (°C)	Pressure (m/s)	Special features
	VER01	black	NBR	70	-30 to +100	0,05/0.5	<ul style="list-style-type: none"> <li>• With elastomer outer casing</li> <li>• Good chemical resistance to many mineral oils and greases. Medium resistance to aging</li> </ul>
	VER01	brown	FKM	80	-20 to +200	0,05/0.5	<ul style="list-style-type: none"> <li>• With elastomer outer casing</li> <li>• 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</li> </ul>
	VER02	black	NBR	70	-30 to +100	0,05/0.5	<ul style="list-style-type: none"> <li>• With elastomer outer casing</li> <li>• Half-shoulder design</li> <li>• Good chemical resistance to many mineral oils and greases. Medium resistance to aging</li> </ul>
	VER02	brown	FKM	80	-20 to +200	0,05/0.5	<ul style="list-style-type: none"> <li>• With elastomer outer casing</li> <li>• Half-shoulder design</li> <li>• 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</li> </ul>
	VER03	black	NBR	70	-30 to +100	0,05/0.5	<ul style="list-style-type: none"> <li>• With elastomer outer casing</li> <li>• Good chemical resistance to many mineral oils and greases. Medium resistance to aging</li> </ul>
	VER03	brown	FKM	80	-20 to +200	0,05/0.5	<ul style="list-style-type: none"> <li>• Elastomer, grooved outer casing</li> <li>• 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</li> </ul>

A circlip is needed at higher pressures.

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