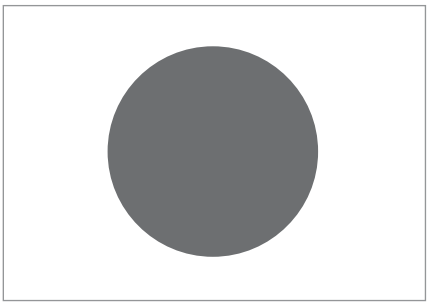
INDUSTRIAL STANDARD O-RING



Industrial Standard O-Ring

PRODUCT DESCRIPTION

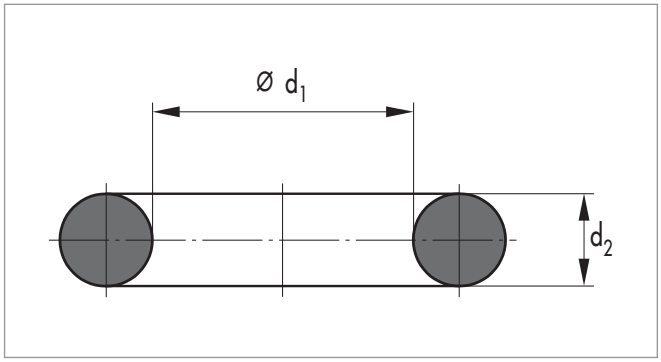
O-Rings are endless round sealing rings of circular cross section. They are mainly used to seal stationary machine components – static case – against fluid and gaseous media. In certain conditions, they can also be used as a dynamic sealing component for axial, rotating and oscillating movement.

PRODUCT ADVANTAGES

- Production in accordance to DIN 3771-Part 1, Quality "N"
- In order to cover the widest possible range of technical applications, O-Rings are supplied in 5 different material qualities
- All catalogue materials for O-Rings are specified and certified.

DESIGN NOTES

The dimensions of an O-Ring are defined by inside dia. d_1 and ring thickness d_2. These dimensions represent the parameters for the O-Ring. The code for an O-Ring in standard material with inside dia. 20,22 mm and a ring thickness 3,53 mm is as follows: O-Ring 20,22–3,53 72 NBR 33002.



Drawing with dimensions

MATERIAL

Code	Name	Hardness	Colour	Temperature
70 NBR 33002	Acrylonitrile butadiene rubber	70 Shore A	black	–20 °C ... +100 °C
90 NBR 33004	Acrylonitrile butadiene rubber	90 Shore A	black	–20 °C ... +100 °C
80 FKM 33034	Fluoro elastomer	80 Shore A	black	–20 °C ... +200 °C
70 EPDM 33022	Ethylene propylene diene rubber	70 Shore A	black	–40 °C ... +150 °C
70 VMQ 33042	Vinyl-methyl polysiloxane	70 Shore A	red	–40 °C ... +225 °C

Material data sheets for the Standard Materials listed above can be downloaded from www.simrit.com.