

V-Ring

V-Rings are axial seals with an elastomer sealing element vulcanised in the mould. The typical design of a V-Ring is comprised of the body, the flexible joint and the sealing lip.



Description

V-Product group: Axial seal

Design:

A = standard

S = body reinforced

L = profile thin

E = for large diameters

Standard materials

Elastomer seal: NBR 60 black, FKM 60 brown, (FKM 70)
other Elastomer materials are available on request.

Application areas

V-Rings are used mainly in combination with other types of seals such as rotary shaft seals and as pre-sealing elements for bearings and shafts. V-Rings are often applied in drive technology, in general mechanical engineering and plant engineering. V-Rings are also found in electric engines, transmissions, agricultural machines, bearing pedestals and rolling mills. They are used to seal against dust, dirt, lubricant, oil or water spray from the outside.

Advantages of the V-Ring

- single function sealing element
- seals against dust, dirt, lubricant, oil or water spray
- works well in combination with rotary shaft seals
- low demands on the counter surface with regard to the surface quality
- simple installation
- is stretched onto the shaft
- the dynamic friction reduces with increasing peripheral speed due to the centrifugal force
- good dynamic sealing effect
- balances light axial movements as well as angle and rotary settings
- protects rotary shaft seals from abrasive environmental conditions

Media

NBR: Good chemical resistance to many lubricants and mineral oils.

FKM: Mineral oils and lubricants, engine, gear and ATF oils, fuels, aromatic and chlorinated hydro-carbon, resistance to a wide range of chemicals.