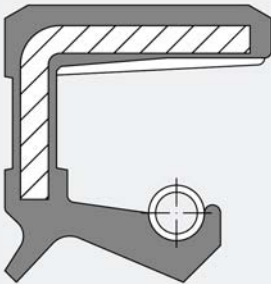


OS-F11



Description

- Elastomer-coated OD, flat
- Spring loaded sealing lip (stainless steel spring)
- Metal case fully covered with elastomer
- Protective lip against entry of contamination from outside (dust, dirt,...)

Special features

- Corrosion-protected metal case
- The standard materials combination (FKM + stainless steel spring) is suitable for many media and chemicals and for high shaft speeds and high temperatures
- Modern sealing lip design for high dynamic sealing action
- Reliable static sealing inside housing
- For housings with high thermal expansion, e.g., light metal housing
- For split housings
- For housings with increased surface roughness
- For sealing thin-body and gaseous media
- No risk of fretting corrosion
- Efficient protection against air side contaminations

Applications e.g.:

- Mechanical and apparatus engineering
- Agricultural machinery
- Construction machines
- Drive systems, industrial gearboxes, electric motors

Materials

Standard material

Elastomer	FKM 80 brown
Spring	Stainless steel 1.4301
Metal case	Carbon steel according to DIN EN 10139

Special materials

Elastomer	NBR
	Silicon
	ACM
	HNBR
	CR
	EPDM

Application parameters

For the standard materials combination:

Temperature	-25°C to +160°C
Pressure	depressurized, max. 0,05 MPa
Shaft speed	acc. to chart „Operating parameters for rotary shaft seals“
Media	Mineral oil based lubricants, Synthetic lubricants, Fuels, Aromatic and chlorinated hydrocarbons, Good resistance to many chemicals

Design information

Shaft

Tolerance	ISO h11
Hardness	min. 45 HRC
Roughness	$R_a = 0.2 - 0.8 \mu\text{m}$ $R_z = 1 - 5 \mu\text{m}$ $R_{\text{max}} \leq 6.3 \mu\text{m}$
Surface finish	free of orientation (lead free)

Housing bore

Tolerance	ISO H8
Roughness	$R_a = 1.6 - 6.3 \mu\text{m}$ $R_z = 10 - 20 \mu\text{m}$ $R_{\text{max}} \leq 25 \mu\text{m}$

Installation

Please read our installation instructions.