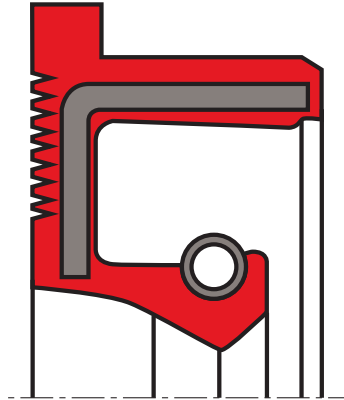


# oil seal R74-A

## seal spec



### description

rotary seal with an elastomer outer sheath covering a metal insert as well as a spring-energised sealing lip. radial and static sealing, rubber covered, sealing lip with spring + flange. in addition, the other design is available with a protective lip R74-B on the air side.

### application



### category of profile

molded/standard/trade product only.

### single acting rotary shaft seal

### area of application

sealing of rotating machine elements such as shafts, hubs and axles

- transmission systems (e.g. gearboxes)
- pumps
- electrical motors
- machinery industry (e.g. tool machines)

### media

good chemical resistance to many mineral oil and synthetic lubricants (CLP, HLP, APGL etc.).

### operating parameters & material

material			temperature	max. surface speed	max. pressure
sealing element*	metal insert**	spring**			
s-mart NBR 70 shore A	metal casing ground to DIN 3760	phosphated C72 spring steel (standard) or	-20°C ... + 120°C	≤ 12 m/s	1 Bar (0,1 MPa)
s-mart FKM 70 shore A		AISI 302 stainless steel (for acids and water)	-18°C ... + 220°C	≤ 40 m/s	

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously.

surface speed limits apply only to the presence of adequate lubrication film.

\* special grades and other materials (ACM, EACM, EPDM, HNBR, VMQ) on request

\*\* metal insert, and spring as well, can be supplied in different materials on request.

### surface quality

surface roughness	Rtmax [µm]	Rz [µm]	Ra (µm)
shaft	≤6,3	≤1,0-5,0	≤0,2-0,8
bottom of groove	≤25	≤10-25	≤1,6-6,3

hardness 45 ... 60 HRC

### tolerance recommendation

seal housing tolerances	
Ød	f8/h11
ØD	H8

**fitting & installation**

suitable tool should be used for installation. it is recommended that the installation housing is designed to provide the rotary shaft seal with axial support.

*don't hesitate to contact our technical department for further information or for special requirements (temperature, speed etc.), so that suitable materials and/or designs can be recommended.*