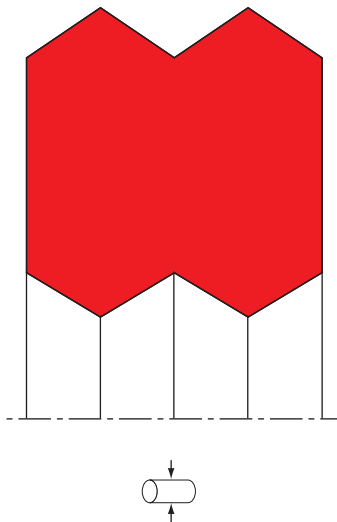


SEAL SPEC R15-P



description

for static applications as an o-ring replacement to avoid drilling in the housing, simple installation and higher extrusion resistance.

category of profile

machined or molded/standard/trade product.

advantages

- high resistance to twisting
- easy assembly
- long service life
- high extrusion resistance of the material

applications

fork lifts, mobile hydraulics, industrial hydraulics, machine tools, injection moulding machines, hydraulic presses, cartridge valves

operating parameter & material

sealing	temperature	max speed	mas pressure ¹
PU	-30 °C ... +110 °C		400 bar (40 MPa)
HPU	-20 °C ... +110 °C		400 bar (40 MPa)
SPU	-20 °C ... +110 °C		400 bar (40 MPa)
LTPU	-50 °C ... +110 °C		400 bar (40 MPa)
GPU	-30 °C ... +110 °C		400 bar (40 MPa)

¹ pressure ratings are dependent on the size of the extrusion gap.
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.

surface quality

type of load	surface roughness	Rtmax (µm)	Rx (µm)	Ra (µm)
radial-static	mating surface	≤ 10	≤ 6,3	≤ 1,6
radial-static	groove surface	≤ 16	≤ 6,3	≤ 3,2

tolerance recommendation

seal housing tolerance	
Ød	g6
ØD	H8

preferred sealing gap

due to the high extrusion resistance of the seal a radial sealing gap (S) of 0.2 mm can be realised. in case of low temperature applications deviations of the gland to the bore and rod shall be avoided.

seal & housing recommendations

please note that we are able to produce those profiles to your specific need or any non standard housing. for detail measurements, please see seal-mart catalog...

