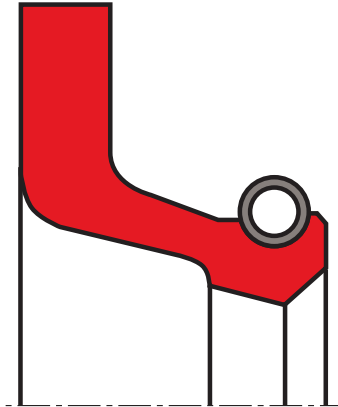


## rod seal S16-SB

## seal spec



### description

lip seal, spring-loaded in some cases. clamping flange for fixing in the housing.

### application



### category of profile

molded/standard/trade product or machined with minor design change.

### single acting

the S16-SB seal is designed for use as a rod seal.

### area of application: hydraulics

standard cylinders.

### advantages

single-acting rod seal for less important applications and spare parts requirements.  
we recommend more modern series for new designs.

### operating parameters & material

material		temperature	max. surface speed	max. pressure <sup>1</sup>
sealing element	energizer			
s-mart NBR (88 shore A)	spring	-30 °C ... +100 °C	0,5 m/s	10 bar (1 MPa)

*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.*

<sup>1</sup> pressure ratings are dependent on the size of the extrusion gap.

### gap dimension

the most important characteristic for the function of the seal is the largest gap dimension encountered during operation on the non-pressurised side of the seal. ( $s \leq 0,3$ )

### surface quality

surface roughness	Rtmax ( $\mu\text{m}$ )	Ra ( $\mu\text{m}$ )
sliding surface	$\leq 2,5$	$\leq 0,05 \dots 0,3$
bottom of groove	$\leq 6,3$	$\leq 1,6$
groove face	$\leq 15$	$\leq 3$

**tolerance recommendation**

the admissible gap width, tolerances, guide play and compressive deflection of the guide under load must be considered for the design of diameter piston.

seal housing tolerances  
 $\varnothing D \leq 420$

$\varnothing d$  f8

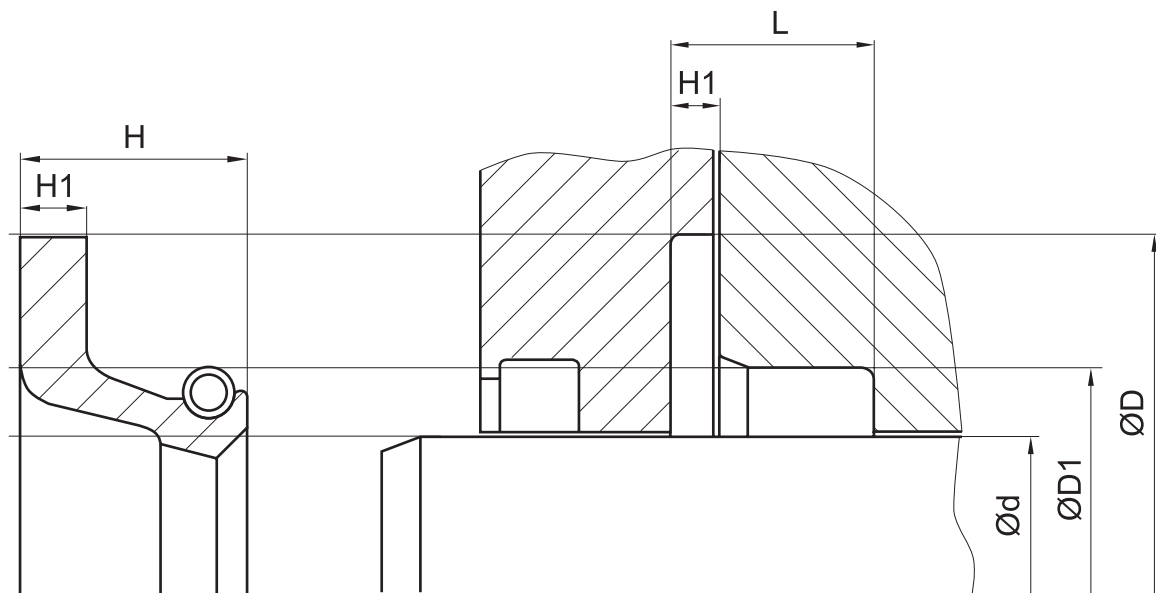
$\varnothing D$  H10

**fitting & installation**

careful fitting is a prerequisite for the correct function of the seal.

**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...*



*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.*