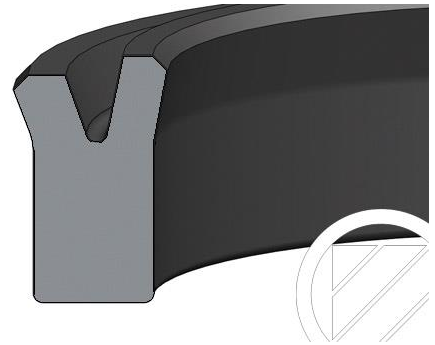


# KNA 23



## DESCRIPTION

**Product group:** piston seal  
**Design:** NA asymmetrical u-ring with outer main sealing lip (23)  
**Profile no.:** 23  
**Specification:** E suitable for one-sided pressure load  
**Material:** NBR 90 3006

## OPERATIONAL APPLICATION LIMITS

Pressure (MPa):  $\leq 16$   
 Temperature (°C):  $-30$  to  $+100$   
 Running speed (m/s):  $\leq 0.5$

## MEDIA

- Hydraulic oils acc. to DIN 51524 Part 1 – 3
- Lubricating oils
- Mineral oil based lubricating greases
- Highly non-flammable hydraulic fluids HFA, HFB, HFC acc. to VDMA 24317

## FUNCTION

The KNA 23 u-ring is a single-acting piston seal with an asymmetrical design. Due to the recessed outer sealing lip, the prestress is directed outwards in order to increase the sealing effect even at low pressure. Apart from its application in hydraulics, this design can also be used for pneumatic applications.

## INSTALLATION

The KNA 23 can be installed in cut grooves starting from an inner diameter of 25 mm with the use of suitable installation tools with smaller diameters or larger profile widths, we recommend axially accessible installation housings.

## REMARKS

U-rings made of NBR are particularly suitable for use at low pressures. The standard KNA 23 design is provided with 90 Sh-A hardness. For special applications, we can offer different materials and hardness levels.

