



## KNA 44

### Description

Product group: Piston seal  
Design: NA asymmetrical u-ring with outer main sealing lip  
Profile no.: 44  
Specification: E suitable for one-sided pressure load  
Seal material: PTFE 00 9808  
Spring material: Stainless steel 1.4310 (DIN EN 10088-1)

### Operational application limits

Pressure (MPa):  $\leq 35$   
Temperature (°C): -150 to +250  
Running speed (m/s):  $\leq 15$

### Media

Hydraulic oils of all types, hot air, water steam. PTFE is resistant to most chemicals.

### Function

The u-ring KNA 44 is a single-acting PTFE seal in the form of an outer sealing u-ring. The steel V-spring activates the sealing lip permanently so that even in a non-pressurized state, good sealing performance is guaranteed.

### Installation

We recommend axially accessible installation housings. For a limited size range, semi-open installation housings are also possible.

### Remarks

Due to the asymmetrical sealing lip, the sealing is optimized, the friction behavior is improved and the service life considerably lengthened. The standard KNA 44 is provided in the adjoining material combination. For special applications, additional PTFE compounds and V-springs made of Elgiloy® are available