

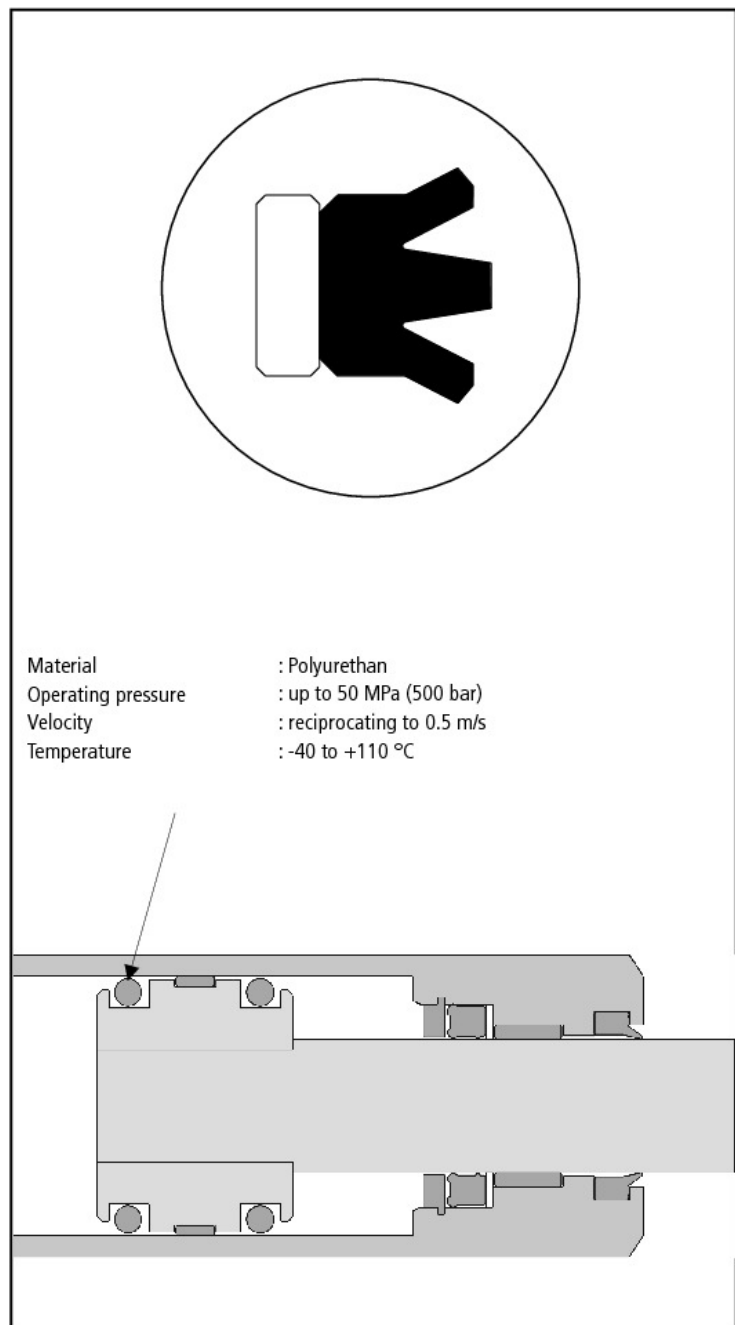


The 2-pieced single acting piston seal of series HK 140 is combined with a high wear resistant Polyurethan seal and a surface flank totally tight-fitted backring.

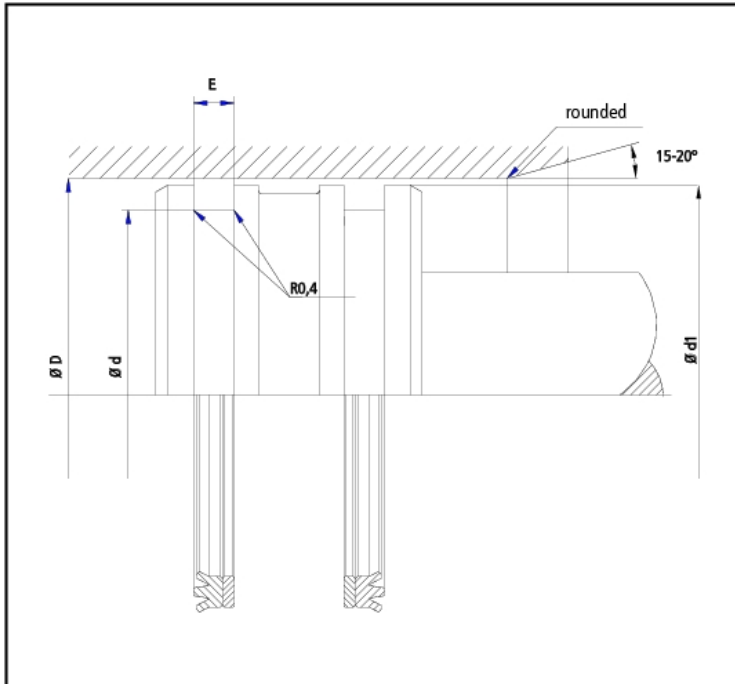
Wide seal splits or appearing pipe during high dynamic stress are safely bridged by the present back ring.

Special Features::

- Heavy duty anti-wear Polyurethan compound
- Exact position inside mounting space
- Excellent sealing conditions regarding high pressure and velocities
- Preferred using for heavy hydraulic areas



Material	: Polyurethan
Operating pressure	: up to 50 MPa (500 bar)
Velocity	: reciprocating to 0.5 m/s
Temperature	: -40 to +110 °C



Limitations on Use

Operating pressure : up to 50 MPa (500 bar)
 Velocity : reciprocating up to 0.5 m/s
 Temperature : -40 to +110 °C

Media for Use

Mineral oil based hydraulic oils, Bio Oils as well as
 flame resistant pressure liquids on request

Surface Finish

Surfaces	Rz	Ra
Faces	2,0 µm	0,3 µm
Groove root	6,3 µm	1,6 µm
Groove flanks	10,0 µm	3,2 µm

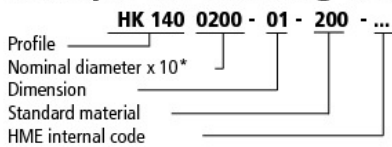
Diameter Clearance

Max. Clearance S [mm]	Max. Pressure [bar]
0,80	150
0,60	250
0,40	350
0,20	500

D H9	d h9	E +0,2	d1 h9		Part N°.
20,00	8,00	7,80	19,00		HK140 0200-01-200
22,00	10,00	7,80	21,00		HK140 0220-01-200
25,00	13,00	7,80	24,00		HK140 0250-01-200
28,00	16,00	7,80	27,00		HK140 0280-01-200
30,00	18,00	7,80	29,00		HK140 0300-01-200
32,00	20,00	7,80	31,00		HK140 0320-01-200
35,00	23,00	7,80	34,00		HK140 0350-01-200
36,00	24,00	7,80	35,00		HK140 0360-01-200
40,00	25,00	10,00	39,00		HK140 0400-01-200
42,00	27,00	10,00	41,00		HK140 0420-01-200
45,00	30,00	10,00	44,00		HK140 0450-01-200
50,00	35,00	10,00	49,00		HK140 0500-01-200
55,00	40,00	10,00	54,00		HK140 0550-01-200
56,00	41,00	10,00	55,00		HK140 0560-01-200
60,00	45,00	10,00	59,00		HK140 0600-01-200
63,00	48,00	10,00	62,00		HK140 0630-01-200
70,00	50,00	13,00	69,00		HK140 0700-01-200
80,00	60,00	13,00	79,00		HK140 0800-01-200
90,00	70,00	13,00	89,00		HK140 0900-01-200
100,00	80,00	13,00	95,00		HK140 1000-01-200
110,00	90,00	13,00	109,00		HK140 1100-01-200
115,00	95,00	13,00	119,00		HK140 1150-01-200
125,00	100,00	16,20	124,00		HK140 1250-01-200
140,00	115,00	16,20	139,00		HK140 1400-01-200
150,00	120,00	19,80	148,00		HK140 1500-01-200
160,00	130,00	19,80	158,00		HK140 1600-01-200
180,00	150,00	19,80	178,00		HK140 1800-01-200
200,00	170,00	19,80	198,00		HK140 2000-01-200
225,00	195,00	19,80	223,00		HK140 2250-01-200
250,00	220,00	19,80	248,00		HK140 2500-01-200
275,00	245,00	19,80	273,00		HK140 2750-01-200
300,00	270,00	19,80	298,00		HK140 3000-01-200



Example for ordering Piston Seal:



Issue

01	05
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WARNING: Limits of application stated herein are standard values. They could be individually transgressed with due consideration to respective service conditions. In the event of a large duty cycle, pulsating operation and other complex operational conditions, simultaneous transgression of these values is not recommended. Due to a large variety of service conditions that may arise in course of actual use, the company does not take responsibility of or guarantee the functional accuracy of the individual components. Rights for changes are reserved.