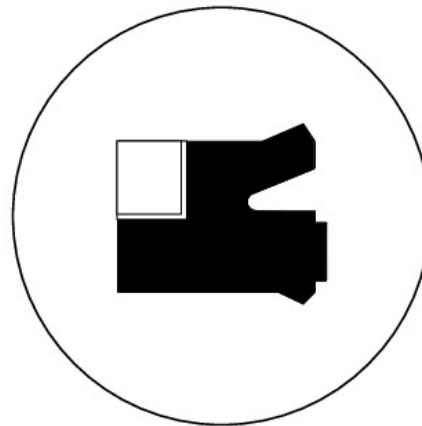




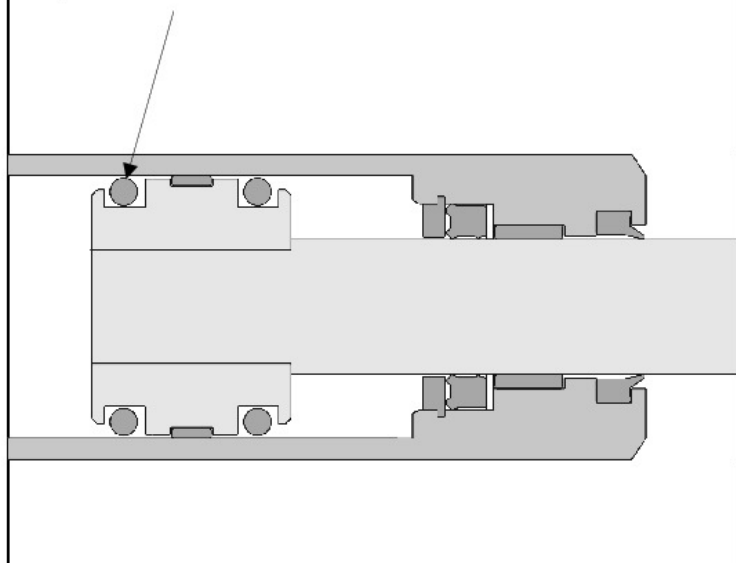
HK 131 is a single acting piston seal. Proven sealing abilities of PU groove rings combined with a form closing ring affords high functional reliability even with low total length

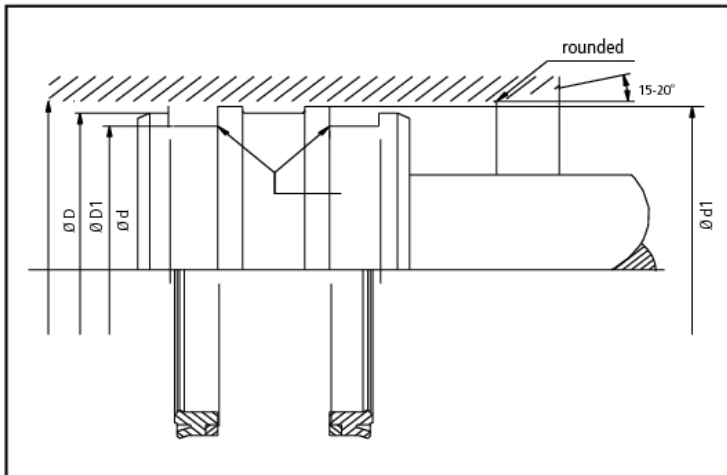
### Special Features::

- Two part composition comprising of Polyurethan sealing component and a slit POM
- Quick response even at low pressures
- Very good anti wear behavior
- Also usable with single part piston
- Avoidance of dynamic operational pressure through pressure relief / unloading grooves (notches)
- Larger split measurements thus possible
- Recommended for assembly spaces per as ISO 5597



Material	: Polyurethan POM
Operating pressure	: up to 40 MPa (400 bar)
Velocity	: reciprocating to 0.5 m/s
Temperature	: -40 to +110 °C





### Limitations on Use

Operating pressure : up to 40 MPa (400 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

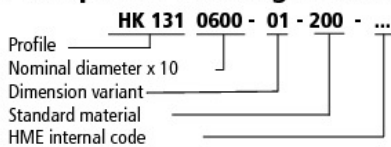
Surfaces	Rz	Ra
Faces	2,0 µm	0,3 µm
Groove root	6,3 µm	1,6 µm
Groove flanks	10,0 µm	3,2 µm

D H10	d f8	E +0,2	D1 -05	d1 -0,05 (200 bar)	d1 -0,05 (400 bar)	Part N°.
50,00	39,00	8,60	45,00	48,80	49,20	HK131 0500-01-200
<b>50,00</b>	<b>35,00</b>	<b>9,50</b>	<b>45,00</b>	<b>48,80</b>	<b>49,20</b>	<b>HK131 0500-02-200</b>
50,00	40,00	11,00	45,00	48,80	49,20	HK131 0500-06-200
60,00	45,00	9,50	55,00	58,90	59,30	HK131 0600-02-200
60,00	45,00	10,00	55,00	58,90	59,30	HK131 0600-01-200
<b>63,00</b>	<b>48,00</b>	<b>9,50</b>	<b>58,00</b>	<b>61,90</b>	<b>62,30</b>	<b>Hk131 0630-01-200</b>
70,00	50,00	12,50	64,00	68,50	68,90	HK131 0700-01-200
<b>80,00</b>	<b>60,00</b>	<b>12,50</b>	<b>74,00</b>	<b>78,50</b>	<b>78,90</b>	<b>HK131 0800-02-200</b>
80,00	60,00	13,00	74,00	78,50	78,90	HK131 0800-01-200
<b>80,00</b>	<b>65,00</b>	<b>9,50</b>	<b>75,00</b>	<b>78,90</b>	<b>79,30</b>	<b>HK131 0800-04-200</b>
80,00	65,00	11,00	75,00	78,90	79,30	HK131 0800-03-200
90,00	70,00	12,50	84,00	88,50	88,90	HK131 0900-02-200
90,00	70,00	13,00	84,00	88,50	88,90	HK131 0900-01-200
<b>100,00</b>	<b>80,00</b>	<b>12,50</b>	<b>94,00</b>	<b>98,50</b>	<b>98,90</b>	<b>HK131 1000-01-200</b>
100,00	80,00	13,00	94,00	98,50	98,90	HK131 1000-02-200
<b>100,00</b>	<b>85,00</b>	<b>9,50</b>	<b>95,00</b>	<b>98,90</b>	<b>99,30</b>	<b>HK131 1000-03-200</b>
110,00	90,00	12,50	104,00	108,50	108,90	HK131 1100-01-200
110,00	95,00	13,00	104,00	108,50	108,90	HK131 1100-02-200
125,00	100,00	15,50	117,00	123,50	123,90	HK131 1250-02-200
<b>125,00</b>	<b>105,00</b>	<b>12,50</b>	<b>119,00</b>	<b>123,50</b>	<b>123,90</b>	<b>HK131 1250-03-200</b>
125,00	105,00	13,00	119,00	123,50	123,90	HK131 1250-01-200
140,00	120,00	12,50	134,00	138,50	138,90	HK131 1400-01-200
150,00	130,00	12,50	144,00	148,50	148,90	HK131 1500-01-200
160,00	130,00	19,00	150,00	158,50	158,90	HK131 1600-01-200
<b>160,00</b>	<b>140,00</b>	<b>12,50</b>	<b>154,00</b>	<b>158,50</b>	<b>158,90</b>	<b>HK131 1600-02-200</b>
180,00	160,00	12,50	174,00	178,50	178,90	HK131 1800-01-200
<b>200,00</b>	<b>170,00</b>	<b>20,00</b>	<b>190,00</b>	<b>198,60</b>	<b>199,00</b>	<b>HK131 2000-01-200</b>
<b>200,00</b>	<b>175,00</b>	<b>16,00</b>	<b>193,00</b>	<b>198,60</b>	<b>199,00</b>	<b>HK131 2000-02-200</b>
225,00	195,00	19,00	215,00	223,60	224,00	HK131 2250-01-200
250,00	220,00	19,00	240,00	248,60	249,00	HK131 2500-01-200
<b>250,00</b>	<b>225,00</b>	<b>16,00</b>	<b>242,00</b>	<b>248,60</b>	<b>249,00</b>	<b>HK131 2500-02-200</b>

Dimensions in bold face comply with DIN ISO 5597 for mounting spaces



### 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.