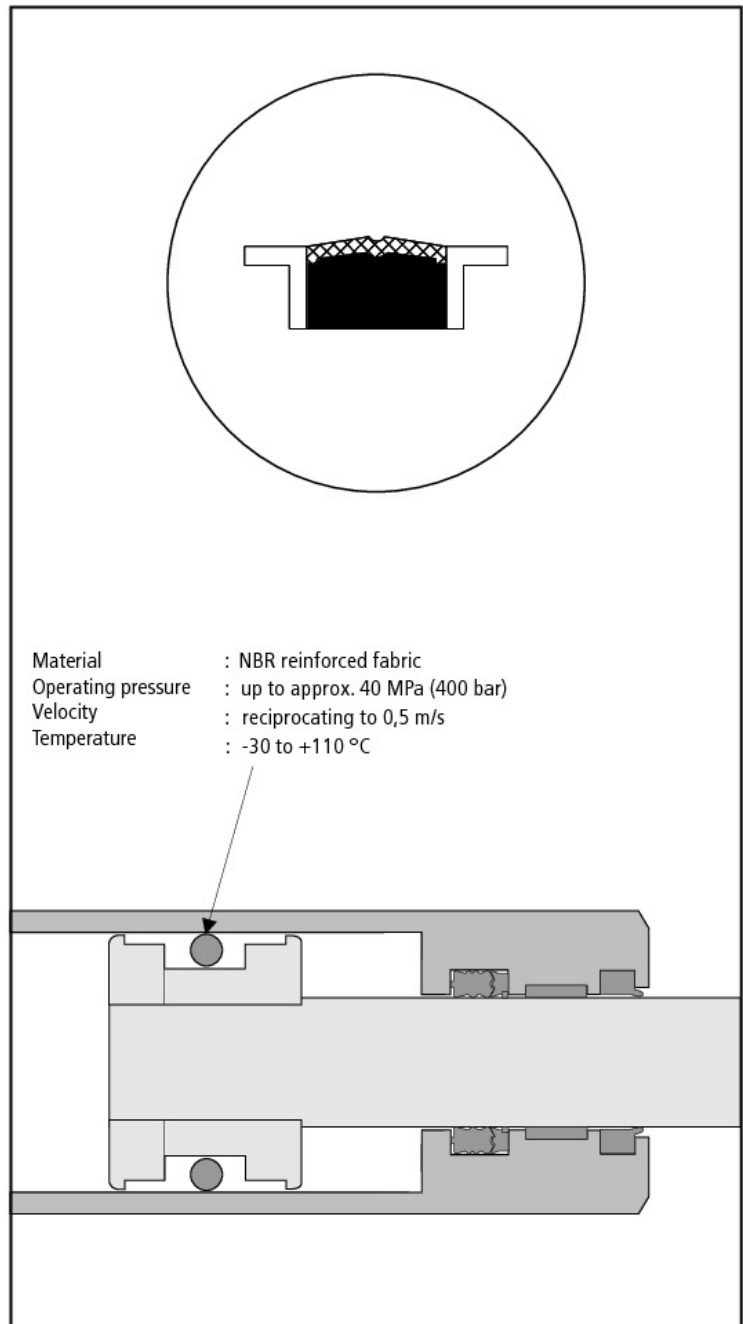
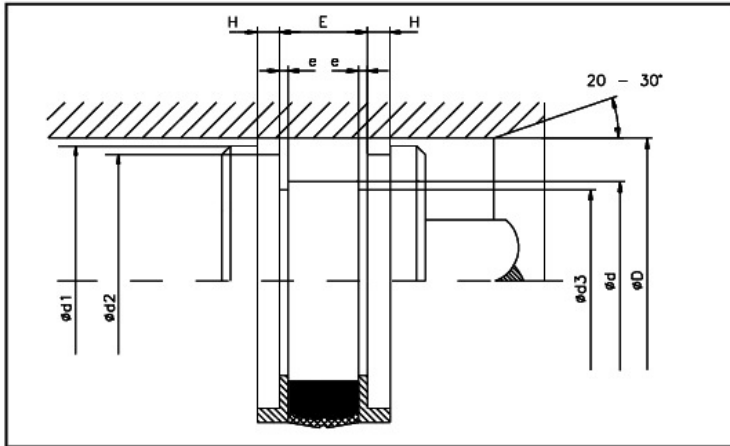


Fiber reinforced NBR compact seal HK 106 is double acting: Uses range from intermediate to high stress. Larger tolerances are possible due to radial pre-stress. Split extrusion avoided due to choice of material in combination with NBR and fabric reinforcement on dynamic side.

Special Features:

- Three part composition consisting of reinforced fabric-elastomer combination and POM slide rings
- Assembly for single part piston possible
- Reduced friction characteristic due to fabric reinforcement. Resistant to galling.
- Good uptake/absorption of impact pressure and vibrations
- Small total length
- Also available in FPM material.



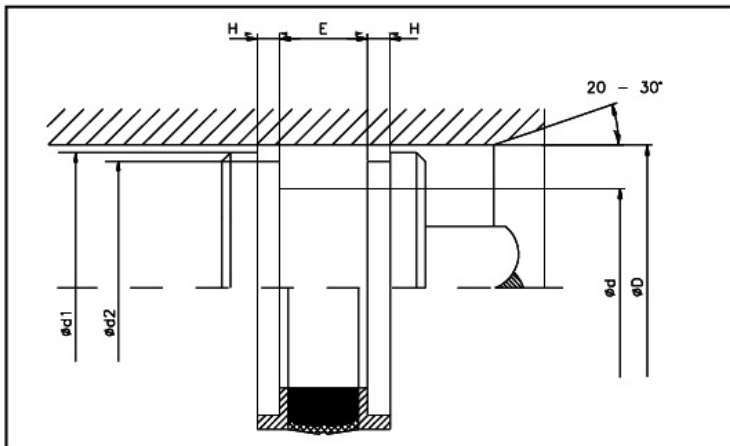


Limitations on Use	
Operating pressure	: maximum 40 MPa (400 bar)
Velocity	: reciprocating to 0,5 m/s
Temperature	: -30 to +110 °C

Media for Use	
Mineral oil based hydraulic oil, flame resistant pressure media and emulsions (HFA, HFB, HFC), Bio Oils.	

Surface Finish		
Surfaces	Rz	Ra
Faces	2,2 µm	0,4 µm
Groove root	6,0 µm	1,6 µm
Groove flanks or sides	10,0 µm	3,2 µm

D H11	d h11	E +0,2	H +0,1	d1 ±0,2	d2 d9	d3 -0,1	e +0,1	Part N°.
35,00	27,00	15,50	3,20	34,40	31,00	24,00	3,10	HK106 0350-02-100
40,00	32,00	15,50	3,20	39,40	36,00	29,00	3,10	HK106 0400-02-100
45,00	37,00	15,50	3,20	44,40	41,00	34,00	3,10	HK106 0450-02-100



Limitations on Use	
Operating pressure	: maximum 40 MPa (400 bar)
Velocity	: reciprocating to 0,5 m/s
Temperature	: -30 to +110 °C

Media for Use	
Mineral oil based hydraulic oil, flame resistant pressure media and emulsions (HFA, HFB, HFC), Bio Oils.	

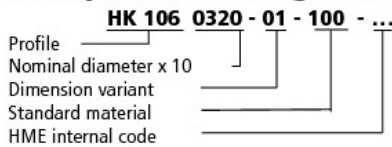
Surface Finish		
Surfaces	Rz	Ra
Faces	2,2 µm	0,4 µm
Groove root	6,0 µm	1,6 µm
Groove flanks or sides	10,0 µm	3,2 µm

D H11	d h11	E +0,2	H +0,1	d1 ±0,2	d2 d9	Part N°.
25,00	17,00	13,50	3,20	24,40	21,00	HK106 0250-01-100
30,00	22,00	13,50	3,20	29,40	26,00	HK106 0300-01-100
32,00	24,00	15,50	3,20	31,40	28,00	HK106 0320-01-100
35,00	27,00	15,50	3,20	34,40	31,00	HK106 0350-01-100
40,00	32,00	15,50	3,20	39,40	36,00	HK106 0400-01-100
45,00	37,00	15,50	3,20	44,40	41,00	HK106 0450-01-100
50,00	38,00	20,50	4,20	49,40	46,00	HK106 0500-01-100
60,00	48,00	20,50	4,20	59,40	56,00	HK106 0600-01-100
63,00	51,00	20,50	4,20	62,40	59,00	HK106 0630-01-100
70,00	58,00	20,50	4,20	69,40	66,00	HK106 0700-01-100
80,00	66,00	22,50	5,20	79,40	76,00	HK106 0800-01-100
90,00	76,00	22,50	5,20	89,40	86,00	HK106 0900-01-100
100,00	86,00	22,50	5,20	99,40	96,00	HK106 1000-01-100
110,00	96,00	22,50	5,20	109,40	106,00	HK106 1100-01-100
120,00	106,00	22,50	5,20	119,40	116,00	HK106 1200-01-100
125,00	108,00	26,50	7,20	124,40	121,00	HK106 1250-01-100
140,00	123,00	26,50	7,20	139,40	136,00	HK106 1400-01-100
150,00	133,00	26,50	7,20	149,40	146,00	HK106 1500-01-100

Further and intermediate sizes as well as an extensive range of inch measurement diagrams available on request.



Example for ordering Piston Seal:



Material Key:

- 100 - NBR
- 120 - FPM

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.