



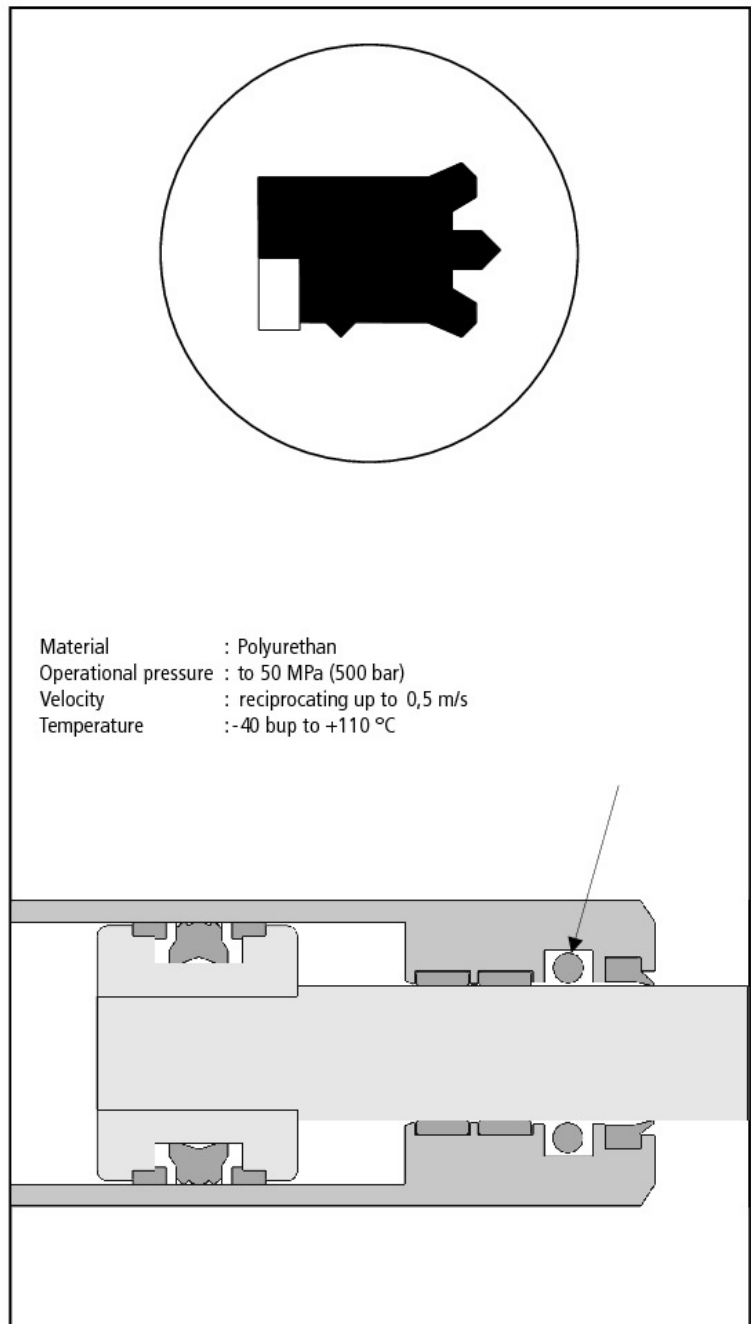
The sturdy seals of series HS 245 are designed for a versatile range of applications in mobile hydraulics and for operating in heavy operational cylinders.

Additional to the second sealing lip on the dynamic face the rod seal is exact positioned in the assembly space by the profile design.

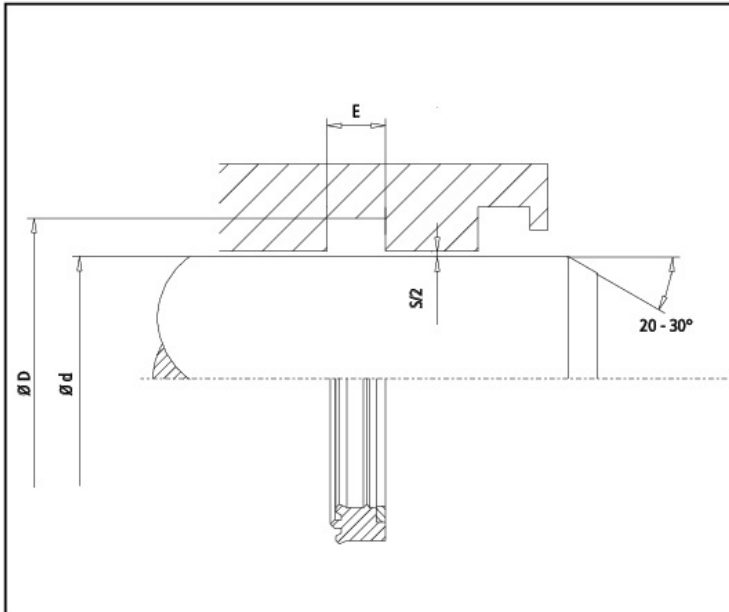
Large splits or appearing tube breathing with high dynamic loads will be safely bridged through the containing back ring.

Special Features:

- Highly wear resistant modified Polyurethane mixture
- Excellent wiping effect by compact profile form also in low pressure areas.
- Exact positioning in assembly space through optimal anti-wear behavior
- Higher pre-stressing is resulting in very good sealing conditions also in static applications
- Simple snap assembly in closed grooves possible
- Absolutely usable for heavy mobile hydraulic applications
- Sizes for assembly spaces per as ISO 5597



Material : Polyurethane
 Operational pressure : to 50 MPa (500 bar)
 Velocity : reciprocating up to 0,5 m/s
 Temperature : -40 up to +110 °C



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

Media of Use	
Mineral oil based hydraulic oils, non-polluting pressure fluids (Bio Oils) on request.	

Surface Finish		
Surface	Rz	Ra
faces	2,0 µm	0,3 µm
groove root	6,3 µm	1,6 µm
groove flank	10,0 µm	3,2 µm

Diameter Clearance				
Maximal Diameter Clear.l	Maximal Pressure [bar]			
	250	320	400	500
D				
≤80	1,2	1,1	0,9	0,7
>80	1,3	1,2	1,2	0,8

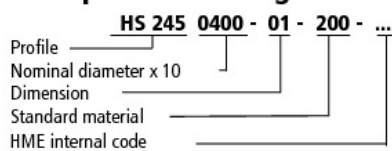
d f8/h9	D H10	E +0,2	Part N°		
32,00	42,00	8,00	HS245 0320-01-200		
40,00	50,00	8,00	HS245 0400-01-200		
45,00	55,00	8,00	HS245 0450-01-200		
50,00	65,00	12,50	HS245 0500-01-200		
56,00	71,00	12,50	HS245 0560-01-200		
56,00	66,00	10,00	HS245 0560-02-200		
60,00	75,00	13,00	HS245 0600-01-200		
63,00	78,00	6,30	HS245 0630-01-200		
63,00	78,00	12,50	HS245 0630-02-200		
65,00	80,00	13,00	HS245 0650-01-200		
70,00	85,00	12,50	HS245 0700-01-200		
75,00	90,50	6,30	HS245 0750-01-200		
75,00	90,00	13,00	HS245 0750-02-200		
80,00	95,00	6,30	HS245 0800-01-200		
80,00	95,00	12,50	HS245 0800-02-200		
82,55	98,20	13,00	HS245 0825-01-200		
85,00	100,50	6,30	HS245 0850-01-200		
85,00	100,00	13,00	HS245 0850-02-200		
90,00	105,00	6,30	HS245 0900-01-200		
90,00	105,00	13,00	HS245 0900-02-200		
90,00	105,00	12,50	HS245 0900-03-200		
95,00	110,00	13,00	HS245 0950-01-200		
100,00	120,00	16,00	HS245 1000-01-200		
106,00	121,50	6,30	HS245 1060-01-200		
110,00	130,00	16,00	HS245 1100-01-200		
115,00	130,00	13,00	HS245 1150-01-200		
117,00	132,00	10,00	HS245 1170-01-200		
120,00	135,00	16,00	HS245 1200-01-200		
125,00	140,50	6,30	HS245 1250-01-200		
125,00	145,00	16,00	HS245 1250-02-200		
130,00	150,60	7,90	HS245 1300-01-200		
140,00	160,00	16,00	HS245 1400-01-200		



d f8/h9	D H10	E +0,2	Part N°		
145,00	165,60	7,90	HS245 1450-01-200		
160,00	180,50	7,50	HS245 1600-01-200		
160,00	185,00	20,00	HS245 1600-02-200		
180,00	205,00	20,00	HS245 1800-01-200		
200,00	225,00	20,00	HS245 2000-01-200		

Dimensions in bold correspond to mounting spaces as per ISO 5597

Example for ordering Rod 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.