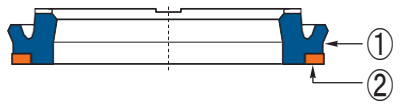
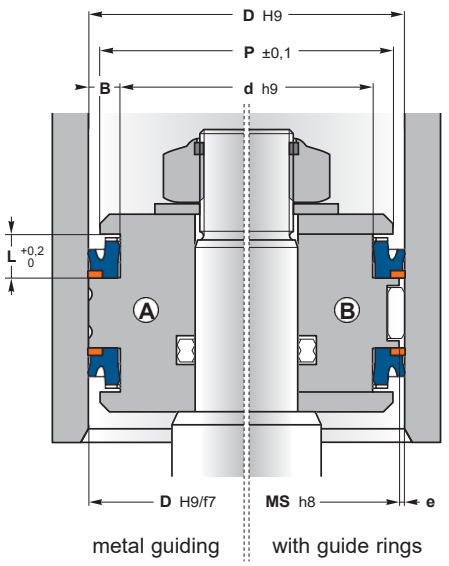


KERS



P = d + 1,7 B

Pressure (MPa)	e (mm) KERS	
	D ≤ 60 mm	**D** > 60 mm
5	≤ 0,6	≤ 0,8
10	≤ 0,6	≤ 0,8
20	≤ 0,4	≤ 0,6
30	≤ 0,3	≤ 0,4
40	≤ 0,2	≤ 0,3
50	≤ 0,1	≤ 0,15

KERS is designed with a shorter and stronger outer sealing lip to concentrate the load against the dynamic surface.

The sealing lip on the static side is longer to provide a wide contact area and more flexible, therefore more sensitive to pressure fluctuations.

The anti-extrusion ring enable **higher pressure** conditions and greater extrusion gaps.

Operating conditions

Pressure	≤ 50 MPa
Temperature	-30°C to 100°C
Speed	≤ 0,5 m/s

Materials

Seal ① / Anti-extrusion ring ②	PU10 / POM24 PU13 / POM24 PU32 / POM84

Assembly

On one-piece pistons Ⓐ

On two-piece pistons Ⓑ

Advantages

Excellent abrasion resistance

Efficient sealing

Simple groove design

High extrusion resistance

Please contact us for applications approaching maximum values.

D	d	L	ISO 5597	Reference
40	25	9,5	•	**KERS-4025**
45	30	9,5	•	**KERS-4530**
	35	9,5		**KERS-4535**
50	35	9,5	•	**KERS-5035**
55	40	9,5		**KERS-5540**
60	45	9,5	•	**KERS-6045**
63	48	9,5	•	**KERS-6348**
65	50	9,5		**KERS-6550**
70	50	12,5		**KERS-7050**
	55	9,5	•	**KERS-7055**
75	55	12,5	•	**KERS-7555**
80	60	12,5	•	**KERS-8060**
	65	9,5		**KERS-8065**
85	70	9,5		**KERS-8570**
90	70	12,5	•	**KERS-9070**
	75	9,5		**KERS-9075**
100	80	12,5	•	**KERS-10080**
	85	9,5		**KERS-10085**
105	85	12,5		**KERS-10585**
110	90	12,5	•	**KERS-11090**
115	95	12,5	•	**KERS-11595**
120	105	9,5	•	**KERS-120105**
125	100	16	•	**KERS-125100**
	105	12,5		**KERS-125105**
130	110	12,5		**KERS-130110**
140	115	16	•	**KERS-140115**
	120	12,5		**KERS-140120**
150	120	19		**KERS-150120**
160	130	20	•	**KERS-160130**
	140	12,5		**KERS-160140**
170	150	12,5		**KERS-170150**
180	150	19		**KERS-180150**
	160	12,5		**KERS-180160**
190	170	12,5		**KERS-190170**
200	170	20	•	**KERS-200170**
	175	15,5		**KERS-200175**
220	200	15,5		**KERS-220200**
250	220	19	•	**KERS-250220**
	225	15,5		**KERS-250225**