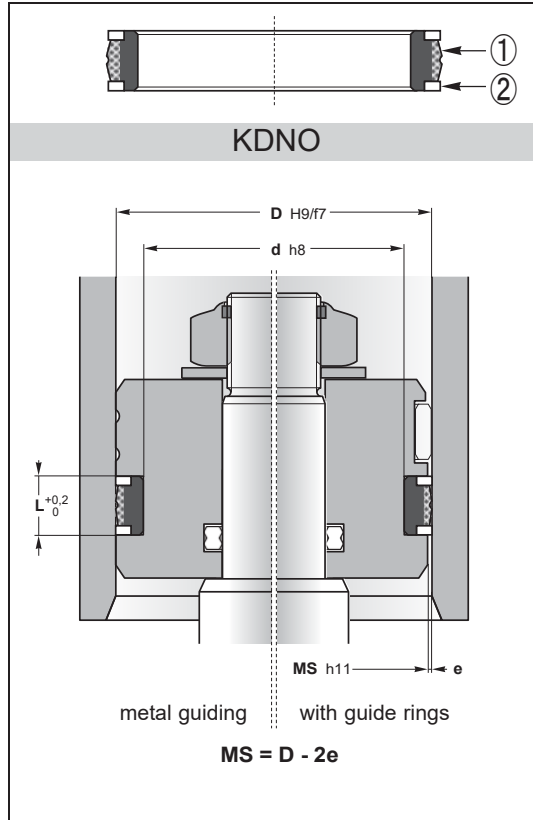
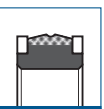




Fabric double acting piston seal with back-up rings



KDNO is a double acting seal composed of a sealing rubber reinforced element and two back-up rings.

The dynamic side of the rubber part is fabric reinforced. Fabric reinforced nitrile elastomer has a higher mechanical strength and better lubricating properties.

Operating conditions

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

Materials

Seal ①	NBR fabric/NBR
Anti-extrusion rings ②	Acetal resin

Assembly

On one-piece pistons

Advantages

- Efficient sealing effect at high and low pressure
- Good dynamic and static friction behavior
- Low friction
- High pressure
- Improved abrasion resistance

Please contact us for applications approaching maximum values.

D	26 MPa	32 MPa	40 MPa	50 MPa
	e (mm)			
≤ 80	0,6	0,55	0,45	0,35
> 80	0,65	0,6	0,5	0,4

D	d	L	Reference
50	38	14,5	KDNO-5038
63	51	14,5	KDNO-6351
80	66	16,5	KDNO-8066
90	76	16,5	KDNO-9076
100	86	16,5	KDNO-10086
110	95	15,5	KDNO-11095
120	105	15,5	KDNO-120105
130	113	20,5	KDNO-130113
130	115	16	KDNO-130115
140	125	15,9	KDNO-140125
200	180	15,5	KDNO-200180
225	205	24,5	KDNO-225205
250	230	25,5	KDNO-250230
280	255	24,8	KDNO-280255