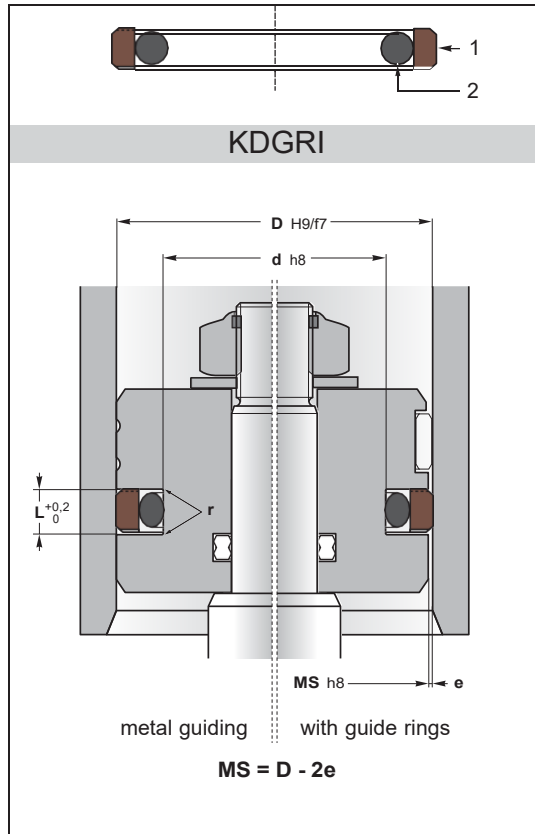
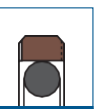


KDGRI

PTFE double acting piston seal Inch dimensions



KDGRI piston seal is a bi-directional piston seal for use in low to medium duty hydraulic systems.

The dynamic seal element offers exceptional low friction, high speed performances and high chemical compatibility. Side grooves ensure that pressure loads the energising component in all work conditions.

The seal is **commonly used** in applications such as mobile hydraulics, machine tools, injection moulding machines and hydraulic presses.

Radial notches on both sides of the seal ensure a fast **energising** of the sealing element.

Operating conditions

Pressure	≤ 50 MPa
Temperature	-30°C to 100°C
Speed	≤ 15 m/s

Materials

Dynamic sealing element ①	PT55
Energising element ②	NBR 70 Sh A

Assembly

On one-piece pistons

Advantages

- Small sections and simple groove design
- High extrusion resistance and long service life
- Low break-out and running friction
- Compatibility with nearly all media due to the high chemical resistance of the sealing element and the wide selection of O-ring compounds
- No stick-slip

Please contact us for applications approaching maximum values.

KDGRI-L: Light serie
KDGRI-P: Heavy serie

Inch dimensions

D	d	L	O-ring NBR 70 Sh A	Reference
38,1	27,1	4,19	26,57 x 3,53	KDGRI-P-1500
44,45	33,45	4,19	32,92 x 3,53	KDGRI-1750
50,8	39,8	4,19	39,7 x 3,53	KDGRI-2000
57,15	46,15	4,19	46,04 x 3,53	KDGRI-2250
63,5	52,5	4,19	52,4 x 3,53	KDGRI-2500
69,85	58,85	4,19	58,74 x 3,53	KDGRI-2750
	53,35	6,3	53,34 x 5,34	KDGRI-P-2750
76,2	65,2	4,19	65,1 x 3,53	KDGRI-3000
	60,7	6,3	59,69 x 5,34	KDGRI-P-3000
88,9	73,4	6,3	72,39 x 5,34	KDGRI-3500
	77,9	4,19	75,79 x 3,53	KDGRI-L-3500
101,6	86,11	6,3	85,09 x 5,34	KDGRI-4000
	90,6	4,19	88,49 x 3,53	KDGRI-L-4000
114,3	98,81	6,3	97,79 x 5,34	KDGRI-4500
127	111,51	6,3	110,49 x 5,34	KDGRI-5000
139,7	118,69	8,1	116,84 x 7	KDGRI-5500
152,4	131,39	8,1	129,54 x 7	KDGRI-6000