


LPV profile data

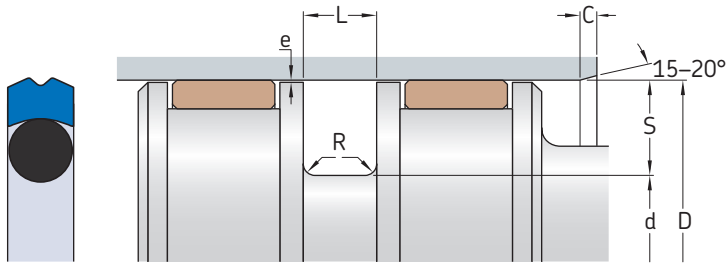


Material codes	Slide ring: PU54/199 Energizer: N70/6052
Pressure	Up to 250 bar (3 625 psi)
Speed	Up to 0,5 m/s (1.6 ft/s)
Temperature range	<div style="display: flex; align-items: center;">  </div> <p style="margin-left: 20px;"> ■ Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range ■ Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended) ■ Recommended operating temperature range for this profile and material ■ Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap ■ Extreme high temperature range: only occasional short-term exposure (e.g. cylinder in curing oven of a powder coating process) </p>
Dimension standards	Some sizes fit seal housings in accordance with ISO 7425-1.

Maximum values of application parameters (e.g. pressure, speed, temperature, e-gap) should not be applied continuously nor simultaneously.

LPV profile piston seals, metric sizes

D 25 – 100 mm



Maximum extrusion gap e

Radial depth S e_{max} at 80 °C (175 °F) for pressures

Radial depth S mm	e_{max} at 80 °C (175 °F) for pressures	
	160 bar	250 bar
3,75	0,3	0,2
5,5	0,4	0,25
7,75	0,4	0,3
10,5	0,5	0,4

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Dimensions						Designation
D H9	d h9	L +0,2	S	R max.	C min.	
mm						-
25	17,5	3,2	3,75	0,5	2	• LPV 25x17.5x3.2
30	22,5	3,2	3,75	0,5	2	LPV 30x22.5x3.2
32	24,5	3,2	3,75	0,5	2	• LPV 32x24.5x3.2
35	24	4,2	5,5	0,5	2,5	LPV 35x24x4.2
40	29	4,2	5,5	0,5	2,5	• LPV 40x29x4.2
50	39	4,2	5,5	0,5	2,5	• LPV 50x39x4.2
55	44	4,2	5,5	0,5	2,5	LPV 55x44x4.2
60	49	4,2	5,5	0,5	2,5	LPV 60x49x4.2
63	52	4,2	5,5	0,5	2,5	• LPV 63x52x4.2
65	54	4,2	5,5	0,9	2,5	LPV 65x54x4.2
70	59	4,2	5,5	0,9	2,5	LPV 70x59x4.2
80	64,5	6,3	7,75	0,9	4	• LPV 80x64.5x6.3
90	74,5	6,3	7,75	0,9	4	LPV 90x74.5x6.3
100	84,5	6,3	7,75	0,9	4	• LPV 100x84.5x6.3

Other sizes are available on request



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