



**LINEPROOF**<sup>®</sup>  
ENGINEERING INDIA PVT. LTD.



## **SERIES LP100**



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## SERIES LP100

### Mechanical Seals / Mechanical Seals for Pump / Metal Bellows Seal Mechanical Seal



#### STANDARD STYLE

#### FACE MATERIAL

Carbon graphite, Silicon carbide

#### METAL PARTS

SS 316, SS 304, Duplex  
Bellows: Inconel 625

#### SECONDARY SEAL

FKM

#### APPLICATION

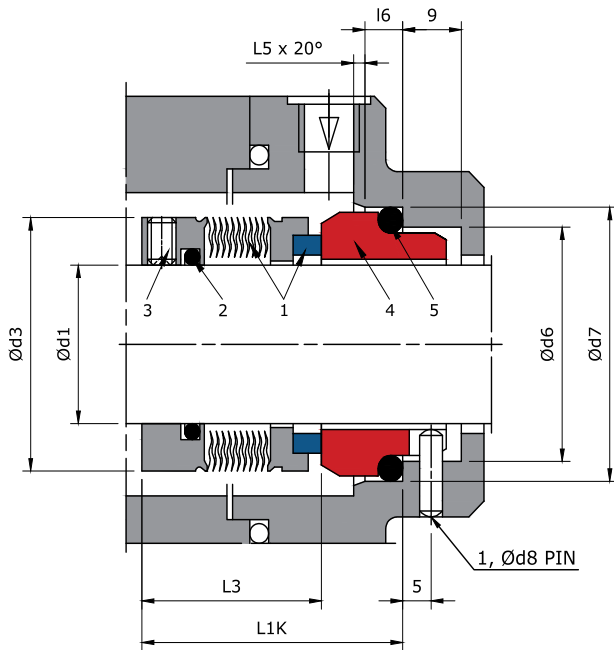
- Process industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Hot media
- Cold media
- Highly viscous media
- Pumps
- Special rotating equipment

#### SEAL CHARACTERISTICS

- For unstepped shafts
- Rotating bellows
- Single seal
- Balanced
- Independent of direction of rotation

#### OPERATING LIMIT

Shaft Diameter	d1	: 20mm...100mm
Pressure	p	: 25 bar
Temperature	t	: -40 +220°C
Velocity	v	: 20 m/sec



PART NO.	DESCRIPTION
1	SEAL FACE WITH BELLOW UNIT
2	O-RING
3	SET SCREW
4	SEAT
5	O-RING

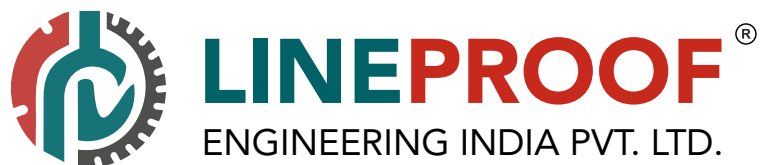
SEAL SIZE +0.00 d1 -0.05 mm	d3	d6	d7	d8	L1k	L3	L5	L6
20.0	33.3	29.0	35.0	3.0	37.5	30.5	2.0	5.0
22.0	36.5	31.0	37.0	3.0	37.5	30.5	2.0	5.0
24.0	39.0	33.0	39.0	3.0	40.0	28.5	2.0	5.0
25.0	39.0	34.0	40.0	3.0	40.0	28.5	2.0	5.0
28.0	42.0	37.0	43.0	3.0	42.5	31.0	2.0	5.0
30.0	44.0	39.0	45.0	3.0	42.5	31.0	2.0	5.0
32.0	46.0	42.0	48.0	3.0	42.5	31.0	2.0	5.0
33.0	47.0	42.0	48.0	3.0	42.5	31.0	2.0	5.0
35.0	49.2	44.0	50.0	3.0	42.5	31.0	2.0	5.0
38.0	52.4	49.0	56.0	4.0	45.0	31.0	2.0	6.0
40.0	55.6	51.0	58.0	4.0	45.0	31.0	2.0	6.0
43.0	58.7	54.0	61.0	4.0	45.0	31.0	2.0	6.0
45.0	58.7	56.0	63.0	4.0	45.0	31.0	2.0	6.0
48.0	61.9	59.0	66.0	4.0	45.0	31.0	2.0	6.0
50.0	65.1	62.0	70.0	4.0	47.5	32.5	2.5	6.0
53.0	68.3	65.0	73.0	4.0	47.5	32.5	2.5	6.0
55.0	69.7	67.0	75.0	4.0	47.5	32.5	2.5	6.0
58.0	74.6	70.0	78.0	4.0	52.5	37.5	2.5	6.0
60.0	74.6	72.0	80.0	4.0	52.5	37.5	2.5	6.0
65.0	84.1	77.0	85.0	4.0	52.5	37.5	2.5	6.0
70.0	87.3	83.0	92.0	4.0	60.0	42.0	2.5	7.0
75.0	95.3	88.0	97.0	4.0	60.0	42.0	2.5	7.0
80.0	98.4	95.0	105.0	4.0	60.0	41.8	3.0	7.0
85.0	104.8	100.0	110.0	4.0	60.0	41.8	3.0	7.0
90.0	108.0	105.0	115.0	4.0	65.0	46.8	3.0	7.0
95.0	114.3	110.0	120.0	4.0	65.0	47.8	3.0	7.0
100.0	120.7	115.0	125.0	4.0	65.0	47.8	3.0	7.0



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 **VASAI, Maharashtra, INDIA.**

 **For Enquiries**  
[sales.er@lineproofengg.com](mailto:sales.er@lineproofengg.com)  
[lineproofengg@gmail.com](mailto:lineproofengg@gmail.com)

 **For Suggestions / Feedback**  
[info@lineproofengg.com](mailto:info@lineproofengg.com)

 **Contact No.**  
+91 9726057335  
+91 9819013772

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