



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



## **SERIES LP320**



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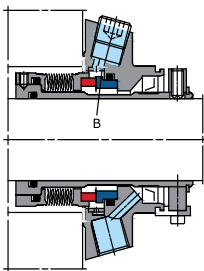
## SERIES LP320

### Mechanical Seals / Mechanical Seals for Pump / Standard Cartridge Seals Mechanical Seal

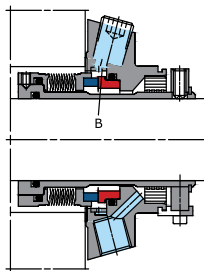


#### Product variants

LP320-QNM  
Single seal, as LPM-QN  
with additional multipoint injection ring (item B).



LP320-TNM  
Single seal, as LPM-TN  
with additional multipoint injection ring (item B).



#### STANDARD STYLE

#### FACE MATERIAL

Carbon graphite resin impregnated,  
Silicon carbide

#### METAL PARTS

SS 316, SS 304, Duplex  
Bellows: Inconel 718

#### SECONDARY SEAL

FKM, EPDM, FFKM, PTFE

#### SEAL CHARACTERISTICS

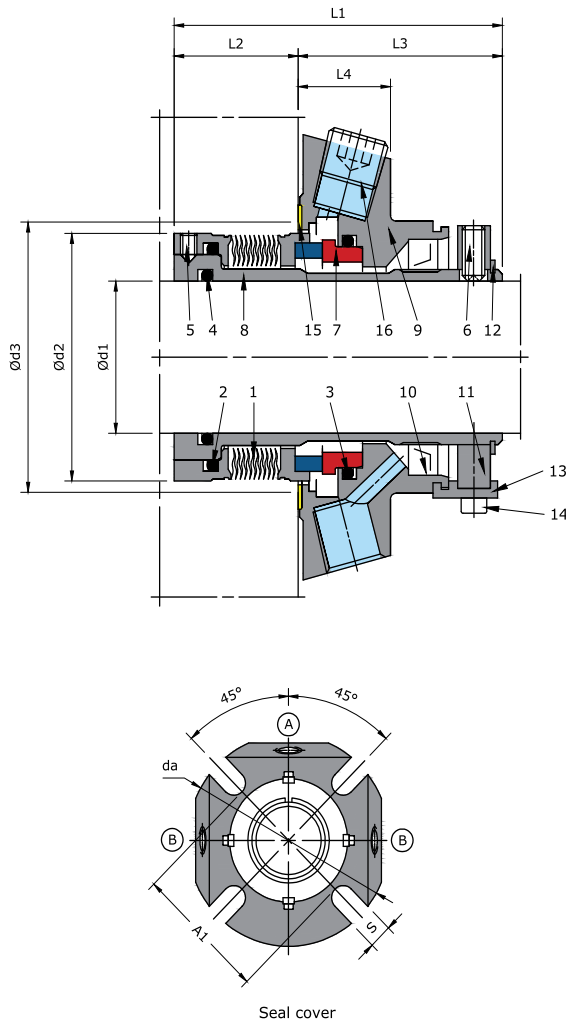
- Single seal
- Cartridge
- Balanced
- Independent of direction of rotation
- Metal bellows
- Single seal with quench and lip seal (-QN) or throttle ring (-TN)
- Version available with multipoint injection ring (-QNM, -TNM)
- Supply connections for flush (A) and quench (B)

#### APPLICATION

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

#### OPERATING LIMIT

Shaft Diameter	d1	: 25mm...80mm
Pressure	p	: 25 bar
Temperature	t	: -40 +220°C
Velocity	v	: 20 m/sec



PART NO.	DESCRIPTION
1	BELLOW UNIT
2	O-RING
3	O-RING
4	O-RING
5	SET SCREW
6	SET SCREW
7	SEAT
8	SHAFT SLEEVE
9	COVER
10	LIP SEAL OR THROTTLE RING
11	DRIVE COLLAR
12	SNAP RING
13	ASSEMBLY FIXTURE
14	HSH CAP SCREW
15	GASKET
16	SCREW PLUG

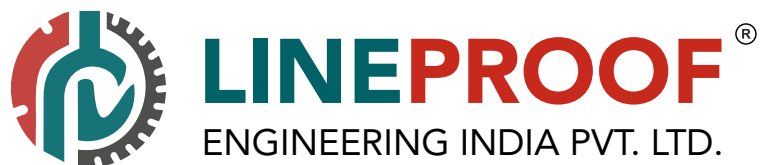
SEAL SIZE +0.00 d1 <sup>-0.05</sup>	d2	d3 <sub>min.</sub>	d3 <sub>max.</sub>	L1	L2	L3	L4	da	A1	S
mm										
25.0	45.0	47.0	51.0	79.5	26.1	53.4	25.4	105.0	62.0	13.2
30.0	49.4	52.0	56.0	78.4	25.0	53.4	25.4	105.0	67.0	13.2
32.0	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2
33.0	52.3	54.5	57.0	78.4	25.0	53.4	25.4	108.0	70.0	13.2
35.0	54.8	58.0	61.5	78.4	25.0	53.4	25.4	113.0	72.0	13.2
38.0	57.5	60.0	66.0	78.4	25.0	53.4	25.4	123.0	75.0	13.2
40.0	58.8	62.0	68.0	78.2	24.8	53.4	25.4	123.0	77.0	14.2
43.0	61.9	64.5	70.5	78.4	25.0	53.4	25.4	133.0	80.0	14.2
45.0	65.0	68.5	73.0	78.4	25.0	53.4	25.4	138.0	82.0	14.2
48.0	68.4	71.0	75.0	78.7	25.3	53.4	25.4	138.0	85.0	14.2
50.0	70.0	73.0	78.0	79.1	25.7	53.4	25.4	148.0	87.0	14.2
53.0	71.9	75.0	87.0	77.8	24.4	53.4	25.4	148.0	97.0	18.0
55.0	74.6	77.0	83.0	78.9	25.5	53.4	25.4	148.0	92.0	18.0
60.0	83.9	87.0	91.0	80.1	26.7	53.4	25.4	157.0	102.0	18.0
65.0	87.5	90.0	98.5	80.0	26.6	53.4	25.4	163.0	109.3	18.0
70.0	93.0	98.0	108.0	81.5	28.1	53.4	25.4	178.0	118.3	18.0
75.0	96.8	101.6	118.0	94.4	30.5	63.9	28.0	190.0	129.0	18.0
80.0	104.7	108.0	124.0	94.4	30.4	64.0	28.0	195.0	135.0	18.0



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