



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



## **SERIES LP90D**



*we are loyal to our customers...*

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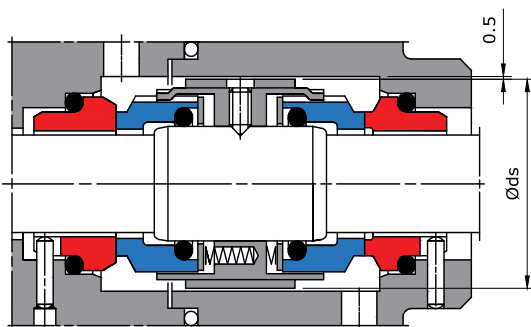
## SERIES LP90D

### Mechanical Seals / Mechanical Seals for Pump / Pusher Mechanical Seal



#### LP91D

Dimensions, items and descriptions as for LP91D, but with pumping screw.  
Dependent on direction of rotation.



#### STANDARD STYLE

#### FACE MATERIAL

Silicon carbide, Carbon graphite

#### METAL PARTS

SS 316, SS 304,

#### SECONDARY SEAL

EPDM, NBR, FKM, FFKM

#### APPLICATION

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pulp and paper industry
- Power plant technology
- Low solids content and low abrasive media
- Toxic and hazardous media
- Media with poor lubrication properties
- Adhesives
- Chemical standard pumps

#### SEAL CHARACTERISTICS

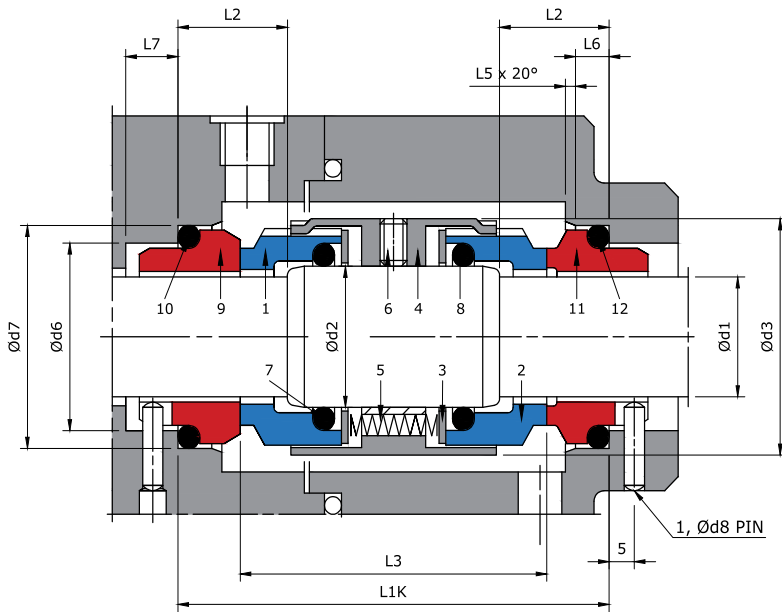
- For stepped shafts
- Dual seal
- Balanced
- Rotating multiple springs
- Independent of direction of rotation
- Seal concept based on the H7 range
- Variant with pumping screw available (H74F-D)

#### OPERATING LIMIT

Shaft Diameter	d1 : 14mm...100mm
Pressure	p : 25 bar
Temperature	t : -50 + 220°C
Velocity	v : 20 m/sec



# SERIES LP90D



PART NO.	DESCRIPTION
1	SEAL FACE
2	SEAL FACE
3	THRUST RING
4	DRIVE COLLAR
5	SPRING
6	SET SCREW
7	O-RING
8	O-RING
9	SEAT
10	O-RING
11	SEAT
12	O-RING

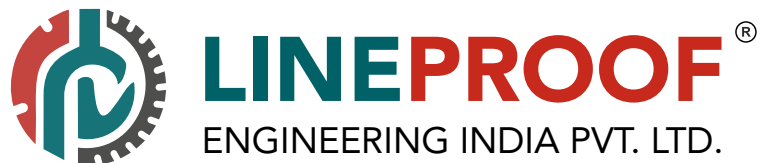
SEAL SIZE +0.00 d1 -0.05	d2	d3	d6 <sup>H11</sup>	d7 <sup>H8</sup>	d8	dS	L2	L3	L5	L6	L7	L1K <sup>±0.5</sup>
mm												
14.0	18.0	33.0	21.0	25.0	3.0	-	18.0	53.0	1.5	4.0	8.5	73.0
16.0	20.0	35.0	23.0	27.0	3.0	-	18.0	53.0	1.5	4.0	8.5	73.0
18.0	22.0	37.0	27.0	33.0	3.0	42.0	20.0	53.0	2.0	5.0	9.0	76.0
20.0	24.0	39.0	29.0	35.0	3.0	44.0	20.0	53.0	2.0	5.0	9.0	76.0
22.0	26.0	41.0	31.0	37.0	3.0	45.0	20.0	53.0	2.0	5.0	9.0	76.0
24.0	28.0	43.0	33.0	39.0	3.0	47.0	20.0	54.0	2.0	5.0	9.0	77.0
25.0	30.0	45.0	34.0	40.0	3.0	49.0	20.0	54.0	2.0	5.0	9.0	77.0
28.0	33.0	48.0	37.0	43.0	3.0	51.0	20.0	54.0	2.0	5.0	9.0	77.0
30.0	35.0	50.0	39.0	45.0	3.0	54.0	20.0	54.0	2.0	5.0	9.0	77.0
32.0	38.0	55.0	42.0	48.0	3.0	59.0	20.0	56.0	2.0	5.0	9.0	79.0
33.0	38.0	55.0	42.0	48.0	3.0	59.0	20.0	56.0	2.0	5.0	9.0	79.0
35.0	40.0	57.0	44.0	50.0	3.0	61.0	20.0	57.0	2.0	5.0	9.0	80.0
38.0	43.0	60.0	49.0	56.0	4.0	65.0	23.0	57.0	2.0	6.0	9.0	85.0
40.0	45.0	62.0	51.0	58.0	4.0	66.0	23.0	57.0	2.0	6.0	9.0	85.0
43.0	48.0	65.0	54.0	61.0	4.0	69.0	23.0	57.0	2.0	6.0	9.0	85.0
45.0	50.0	67.0	56.0	63.0	4.0	71.0	23.0	56.0	2.0	6.0	9.0	84.0
48.0	53.0	70.0	59.0	66.0	4.0	75.0	23.0	56.0	2.0	6.0	9.0	84.0
50.0	55.0	72.0	62.0	70.0	4.0	76.0	25.0	63.0	2.5	6.0	9.0	93.0
53.0	58.0	79.0	65.0	73.0	4.0	83.0	25.0	67.0	2.5	6.0	9.0	97.0
55.0	60.0	81.0	67.0	75.0	4.0	85.0	25.0	67.0	2.5	6.0	9.0	97.0
58.0	63.0	84.0	70.0	78.0	4.0	88.0	25.0	74.0	2.5	6.0	9.0	104.0
60.0	65.0	86.0	72.0	80.0	4.0	95.0	25.0	74.0	2.5	6.0	9.0	104.0
63.0	68.0	89.0	75.0	83.0	4.0	93.0	25.0	79.0	2.5	6.0	9.0	109.0
65.0	70.0	91.0	77.0	85.0	4.0	95.0	25.0	68.0	2.5	6.0	9.0	98.0
70.0	75.0	99.0	83.0	92.0	4.0	105.0	28.0	76.4	2.5	7.0	9.0	112.5
75.0	80.0	104.0	88.0	97.0	4.0	109.0	28.0	76.4	2.5	7.0	9.0	112.5
80.0	85.0	109.0	95.0	105.0	4.0	114.0	28.0	76.0	3.0	7.0	9.0	112.5
85.0	90.0	114.0	100.0	110.0	4.0	119.0	28.0	76.0	3.0	7.0	9.0	112.5
90.0	95.0	119.0	105.0	115.0	4.0	124.0	28.0	76.0	3.0	7.0	9.0	112.5
95.0	100.0	124.0	110.0	120.0	4.0	129.0	28.0	76.0	3.0	7.0	9.0	110.5
100.0	105.0	129.0	115.0	125.0	4.0	134.0	28.0	76.0	3.0	7.0	9.0	110.5




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