



LINEPROOF[®]
ENGINEERING INDIA PVT. LTD.



SERIES LPE WD100



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SERIES LPE WD100

Carbon Floating Ring Seals / Shaft Seals Mechanical Seal



STANDARD STYLE

FACE MATERIAL

Carbon graphite

METAL PARTS

SS 316, SS 304, Duplex

APPLICATION

- Chemical industry
- Waste incineration and removal industry
- Petrochemical industry
- Food processing industry
- Metal production and processing
- Clean gases*
- Water
- Medium-sized and large fans/blowers
- Mixers, agitators, mills, dryers
- * Not applicable for toxic, solids containing gases and exhaust gas

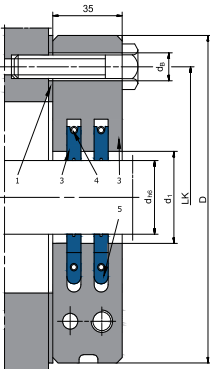
OPERATING LIMIT

Shaft Diameter	dh6	: 40mm...300mm
Pressure	p	: 2 bar (max)
Temperature	t	: -120 + 500°C
Velocity	v	: 150 m/sec

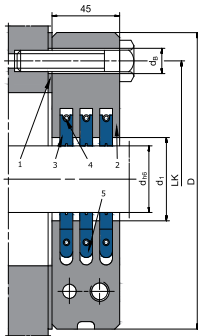
SEAL CHARACTERISTICS

- Split housing design
- Multi-part seal rings, radially cut
- Very small operation gap – low leakage
- Dry running
- Self-adjusting seal rings
- Seal rings bear radial shaft movements
- Compensates axial shaft movements
- No sealing components mounted on the shaft and hence no additional shaft vibrations
- Seal rings running contact-free – sliding faces and machine consume no additional power

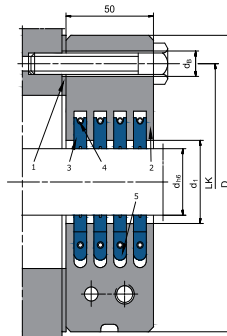
LPW-100-2 with 2 seal rings



LPW-100-3 with 3 seal rings

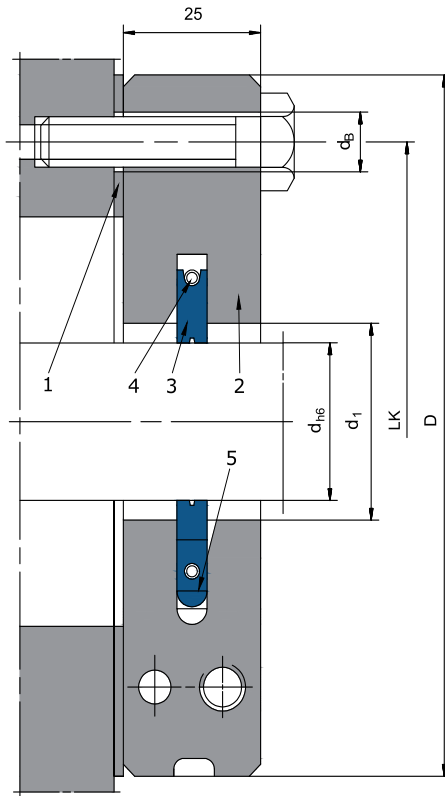


LPW-100-4 with 4 seal rings





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PART NO.	DESCRIPTION
1	FLAT SEAL
2	HOUSING, 2 PIECE
3	SEAL RING
4	TENSION
5	DETENT

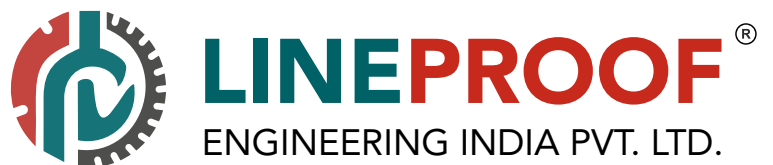
dh6	d1	D	LK	dB	n x ØdB
40.0	45.0	160.0	130.0	15.0	4.0
45.0	50.0	165.0	135.0	15.0	4.0
50.0	58.0	170.0	140.0	15.0	4.0
60.0	68.0	180.0	150.0	15.0	4.0
70.0	78.0	190.0	160.0	15.0	4.0
80.0	90.0	200.0	170.0	15.0	4.0
90.0	100.0	210.0	180.0	15.0	4.0
100.0	110.0	220.0	190.0	15.0	4.0
110.0	120.0	230.0	200.0	15.0	4.0
120.0	130.0	240.0	210.0	15.0	4.0
130.0	140.0	250.0	220.0	15.0	4.0
140.0	150.0	260.0	230.0	15.0	4.0
150.0	160.0	270.0	240.0	15.0	4.0
160.0	170.0	280.0	250.0	15.0	4.0
170.0	180.0	290.0	260.0	15.0	6.0
180.0	190.0	300.0	270.0	15.0	6.0
190.0	200.0	310.0	280.0	15.0	6.0
200.0	210.0	320.0	290.0	15.0	6.0
220.0	230.0	340.0	310.0	15.0	6.0
240.0	250.0	360.0	330.0	15.0	6.0
260.0	270.0	380.0	350.0	15.0	6.0
280.0	290.0	400.0	370.0	15.0	6.0
300.0	310.0	420.0	390.0	15.0	6.0



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