



LINEPROOF[®]
ENGINEERING INDIA PVT. LTD.



SERIES LPE WDKS



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SERIES LPE WDKS

Carbon Floating Ring Seals / Shaft Seals Mechanical Seal



STANDARD STYLE

FACE MATERIAL

Carbon graphite

METAL PARTS

SS 316, SS 304, Duplex

APPLICATION

- Chemical industry
- Metal production and processing
- Pulp and paper industry
- Food processing industry
- Power plant technology
- (Solids containing) gases
- (Solids containing) steams/liquid mist
- Oil mist/penetrating oil
- Water
- Small and medium-sized fans/blowers
- Bearing seals (gear box, motors)
- Mixers, agitators, mills, dryers

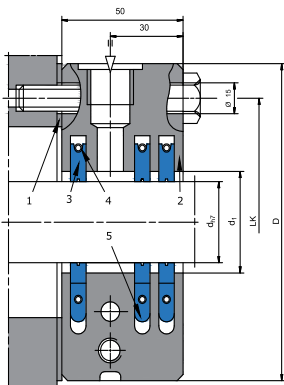
OPERATING LIMIT

Shaft Diameter dh7 : 45mm...160mm
Pressure p : 1.5 bar (max)
Temperature t : -120 + 500°C
Velocity v : 150 m/sec

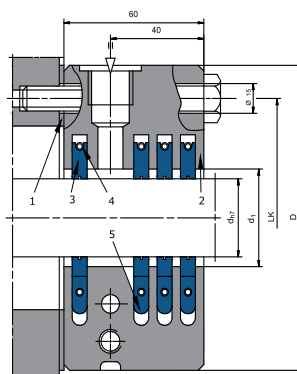
SEAL CHARACTERISTICS

- Multi-part seal rings, radially cut
- Split housing design
- 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

LPE WDKS-Eco with 3 seal rings.

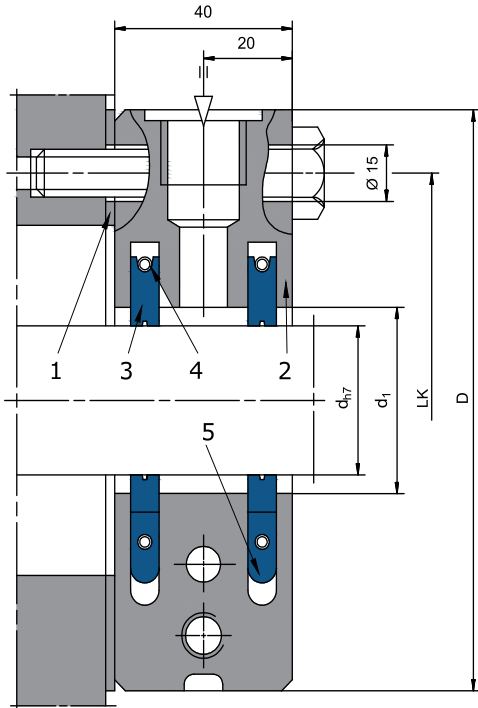


LPE WDKS-Eco with 4 seal rings.





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

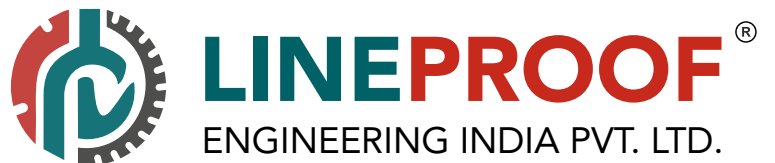
dh7	d1	D	LK	dB	n x ØdB
45.0	50.0	165.0	135.0	15.0	4.0
50.0	58.0	170.0	140.0	15.0	4.0
60.0	68.0	180.0	150.0	15.0	4.0
70.0	78.0	190.0	160.0	15.0	4.0
80.0	90.0	200.0	170.0	15.0	4.0
90.0	100.0	210.0	180.0	15.0	4.0
100.0	110.0	220.0	190.0	15.0	4.0
110.0	120.0	230.0	200.0	15.0	4.0
120.0	130.0	240.0	210.0	15.0	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



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