LINEPROOF®
ENGINEERING INDIA PVT. LTD.

SERIES LPE WD200

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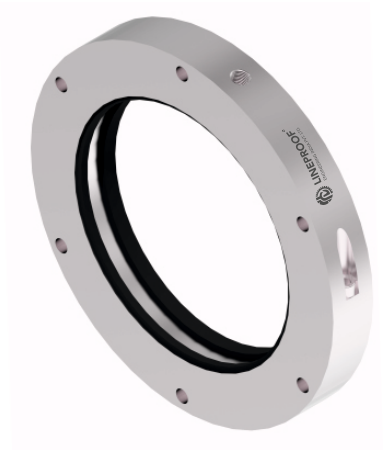
SERIES LPE WD200

Carbon Floating Ring Seals / Shaft Seals
Mechanical Seal



STANDARD STYLE

FACE MATERIAL

Carbon graphite

METAL PARTS

SS 316, SS 304,Duplex

APPLICATION

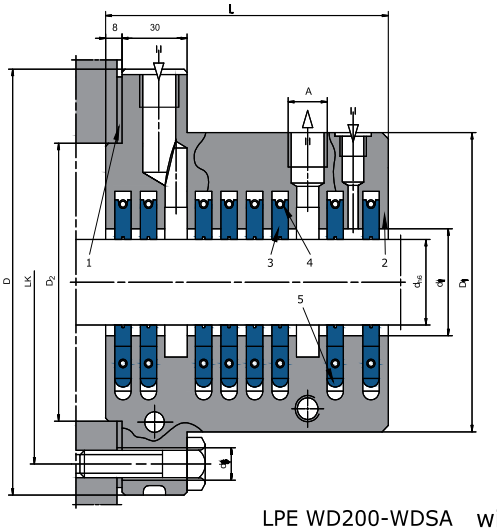
- Chemical industry
- Waste incineration and removal industry
- Power plant technology
- Petrochemicl industry
- Food processing industry
- Metal production and processing
- Gases
- Fumes and exhaust, solids containing, flammable (ATEX), acid containing and toxic gases
- (Solids containing) steams/liquid mist
- Oil mist/penetrating oil
- Water
- Medium-sized and large fans/blowers
- Bearing seals (gear box, motors)
- Steam turbines
- Mixers, agitators, mills, dryers

OPERATING LIMIT

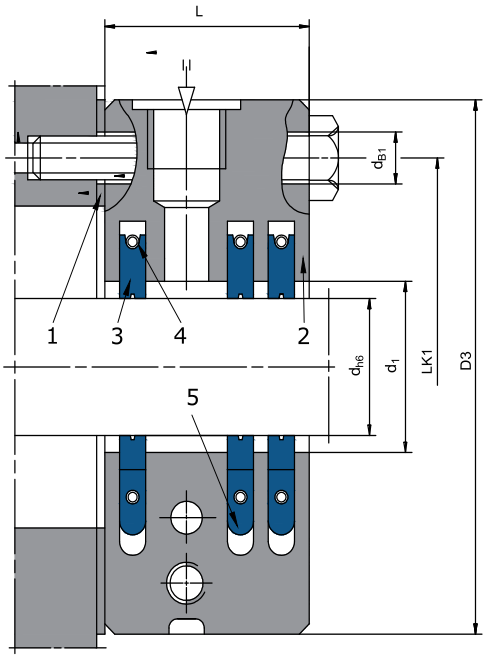
Shaft Diameter	dh7	: 45mm...340mm
Pressure	p	: 20 bar (max)
Temperature	t	: -120 + 800°C
Velocity	v	: 150 m/sec

SEAL CHARACTERISTICS

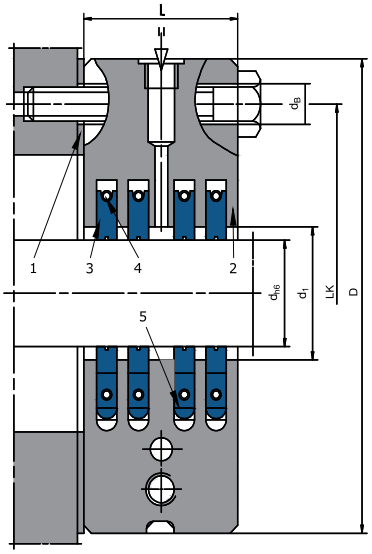
- Multi-part seal rings, radially cut
- Split housing design
- Very small operation gap – low leakage
- Dry running
- Self-adjusting seal rings
- Seal rings bear radial shaft movements
- Compensates axial shaft movements
- No sealing components mounted on the shaft and hence no additional shaft vibrations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



LPE WD200-WDSA with barrier gas, suction and grease barrier port (for e. g. toxic and solids containing gases with condensate formation as well as Atex applications).



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



LPE WD200-WDK with short design and grease barrier port – type WDKF in addition with reduced outside housing diameter (for clean media, not for solids containing gases).

For toxic and solids containing gases as well as Atex applications type shaft seal

LPE WD200-WDKS with short design, reduced housing outside diameter and barrier gas port is used.

For all types			For types LPE WDK, WDS, WDA, WDSA							For types LPE WDKS, WDKF			
dh6	**d1ND**	**d1HD**	**D**	**D1**	**D2**	**LK**	**A**	**DB**	**N X ØDB**	**D3**	**LK1**	**DB1**	**N X ØDB**
40.0	50.0	48.0	210.0	140.0	115.0	175.0	G1/2	15.0	4.0	165.0	135.0	15.0	4.0
50.0	58.0	54.0	220.0	150.0	125.0	185.0	G1/2	15.0	4.0	170.0	140.0	15.0	4.0
60.0	68.0	64.0	230.0	160.0	135.0	195.0	G3/4	15.0	4.0	180.0	150.0	15.0	4.0
70.0	78.0	74.0	240.0	170.0	145.0	205.0	G3/4	15.0	4.0	190.0	160.0	15.0	4.0
80.0	90.0	84.0	260.0	180.0	155.0	220.0	G3/4	15.0	4.0	200.0	170.0	15.0	4.0
90.0	100.0	94.0	270.0	190.0	165.0	230.0	G1	15.0	4.0	210.0	180.0	15.0	4.0
100.0	110.0	104.0	280.0	200.0	175.0	240.0	G1	15.0	6.0	220.0	190.0	15.0	4.0
110.0	120.0	114.0	290.0	210.0	185.0	250.0	G1	15.0	6.0	230.0	200.0	15.0	4.0
120.0	130.0	124.0	300.0	220.0	195.0	260.0	G1	15.0	6.0	240.0	210.0	15.0	4.0
130.0	140.0	134.0	310.0	230.0	205.0	270.0	G1	15.0	6.0	250.0	220.0	15.0	4.0
140.0	150.0	144.0	320.0	240.0	215.0	280.0	G1	15.0	6.0	260.0	230.0	15.0	4.0
150.0	160.0	154.0	330.0	250.0	225.0	290.0	G1	15.0	6.0	270.0	240.0	15.0	4.0
160.0	170.0	164.0	340.0	260.0	235.0	300.0	G1	19.0	6.0	280.0	250.0	15.0	4.0
170.0	180.0	174.0	350.0	270.0	245.0	310.0	G1	19.0	6.0	290.0	260.0	15.0	6.0
180.0	190.0	184.0	360.0	280.0	255.0	320.0	G1	19.0	6.0	300.0	270.0	15.0	6.0
190.0	200.0	194.0	370.0	290.0	265.0	330.0	G1	19.0	6.0	310.0	280.0	15.0	6.0
200.0	210.0	204.0	420.0	310.0	275.0	365.0	G1	15.0	8.0	320.0	290.0	15.0	6.0

Width L							
Amount Seal Ring	2	3	4	5	6	7	8
LPE-WDKS	40	50	60	70	80	90	100
LPE-WDK, LPE-WDKF	30	40	50	50	70	80	90
LPE-WDS,LPE- WDA		65	75	85	93	103	113
LPE-WDSA				95	103	113	127

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