



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



## **SERIES LP30 & LP35U**



*we are loyal to our customers...*

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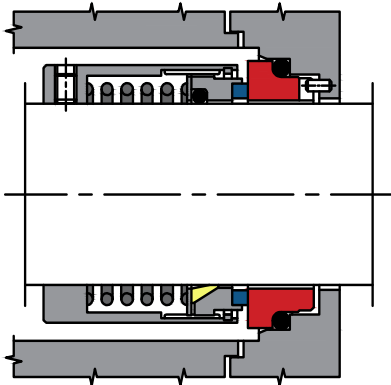


## SERIES LP30 & LP35U

**Unbalanced Seal**

**Single Acting, Independent of Direction of Rotation**

**Mechanical Seal**



### STANDARD STYLE

### FACE MATERIAL

Carbon, ceramic,  
Silicon Carbide, Tungsten Carbide, Lecrolloy

### METAL PARTS

SS 316, SS 304,

### SECONDARY SEAL

LP30U : Elastomers  
LP35U : PTFE, GFT

### APPLICATION

Petrochemicals  
Petroleum refinery  
General chemicals  
Light hydrocarbons

### SEAL CHARACTERISTICS

Single acting  
Unbalanced  
Inside mounted  
Independent of direction of rotation  
To DIN 24960

### OPERATING LIMIT

Shaft Diameter d1 : 14 ..... 100 mm  
Pressure p : 10 bar (max)  
Temperature t : -60 ... +220°C  
Velocity v : 20 m/sec

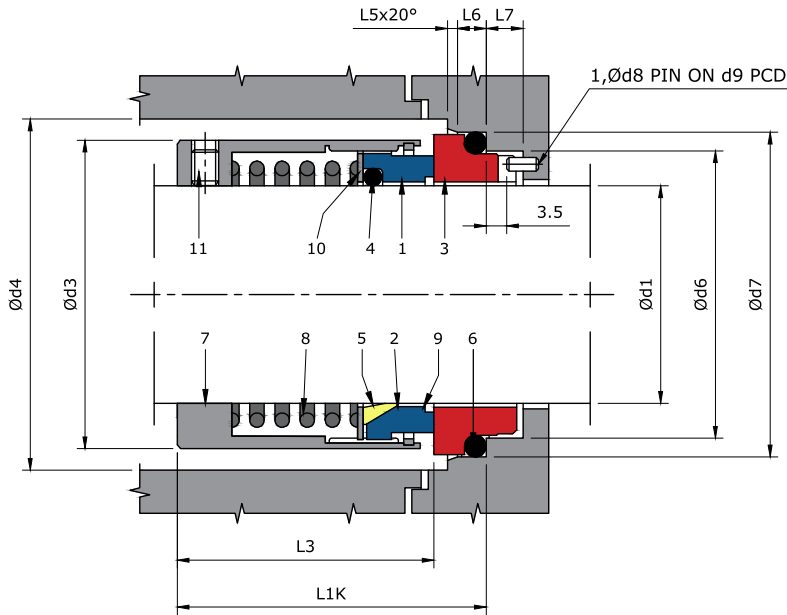
### SHRINK FIT ARRANGMENT

Temperature Limits:

SS 304 110°C  
SS 316 110°C  
Hastelloy-C 175°C  
Carpenter - 42 350°C



# SERIES LP30 & LP35U



PART NO.	DESCRIPTION
1	SEAL RING
2	SEAL RING
3	MATING RING
4	O-RING
5	WEDGE
6	O-RING
7	RETAINER
8	SPRING
9	SNAP RING
10	THRUST RING
11	GRUB SCREW

SEAL SIZE $+0.00$ $d1$ $-0.05$	d3	d4	$d6^{H11}$	$d7^{H8}$	d8	d9	L3	L5	L6	L7	$L1N^{+0.5}$
mm											
14.0	24.0	26.0	21.0	25.0	3.0	18.0	31.0	1.5	4.0	8.5	40.0
16.0	26.0	28.0	23.0	27.0	3.0	20.0	31.0	1.5	4.0	8.5	40.0
18.0	32.0	34.0	27.0	33.0	3.0	23.0	34.5	2.0	5.0	9.0	45.0
20.0	34.0	36.0	29.0	35.0	3.0	25.0	34.5	2.0	5.0	9.0	45.0
22.0	36.0	38.0	31.0	37.0	3.0	27.0	34.5	2.0	5.0	9.0	45.0
24.0	38.0	40.0	33.0	39.0	3.0	29.0	39.5	2.0	5.0	9.0	50.0
25.0	39.0	41.0	34.0	40.0	3.0	30.0	39.5	2.0	5.0	9.0	50.0
28.0	42.0	44.0	37.0	43.0	3.0	33.0	39.5	2.0	5.0	9.0	50.0
30.0	44.0	46.0	39.0	45.0	3.0	35.0	39.5	2.0	5.0	9.0	50.0
32.0	46.0	48.0	42.0	48.0	3.0	38.0	44.5	2.0	5.0	9.0	55.0
33.0	47.0	49.0	42.0	48.0	3.0	38.0	44.5	2.0	5.0	9.0	55.0
35.0	49.0	51.0	44.0	50.0	3.0	40.0	44.5	2.0	5.0	9.0	55.0
38.0	54.0	58.0	49.0	56.0	4.0	44.0	43.5	2.0	6.0	9.0	55.0
40.0	56.0	60.0	51.0	58.0	4.0	46.0	43.5	2.0	6.0	9.0	55.0
43.0	59.0	63.0	54.0	61.0	4.0	49.0	48.5	2.0	6.0	9.0	60.0
45.0	61.0	65.0	56.0	63.0	4.0	51.0	48.5	2.0	6.0	9.0	60.0
48.0	64.0	68.0	59.0	66.0	4.0	54.0	48.5	2.0	6.0	9.0	60.0
50.0	66.0	70.0	62.0	70.0	4.0	57.0	46.5	2.5	6.0	9.0	60.0
53.0	69.0	73.0	65.0	73.0	4.0	60.0	56.5	2.5	6.0	9.0	70.0
55.0	71.0	75.0	67.0	75.0	4.0	62.0	56.5	2.5	6.0	9.0	70.0
58.0	78.0	83.0	70.0	78.0	4.0	65.0	56.5	2.5	6.0	9.0	70.0
60.0	80.0	85.0	72.0	80.0	4.0	67.0	56.5	2.5	6.0	9.0	70.0
63.0	83.0	88.0	75.0	83.0	4.0	70.0	56.5	2.5	6.0	9.0	70.0
65.0	85.0	90.0	77.0	85.0	4.0	72.0	66.5	2.5	6.0	9.0	80.0
68.0	88.0	93.0	81.0	90.0	4.0	75.0	64.5	2.5	7.0	9.0	80.0
70.0	90.0	95.0	83.0	92.0	4.0	77.0	64.5	2.5	7.0	9.0	80.0
75.0	99.0	104.0	88.0	97.0	4.0	82.0	64.5	2.5	7.0	9.0	80.0
80.0	104.0	109.0	95.0	105.0	4.0	88.0	74.0	3.0	7.0	9.0	90.0
85.0	109.0	114.0	100.0	110.0	4.0	93.0	74.0	3.0	7.0	9.0	90.0
90.0	114.0	119.0	105.0	115.0	4.0	98.0	74.0	3.0	7.0	9.0	90.0
95.0	119.0	124.0	110.0	120.0	4.0	104.0	74.0	3.0	7.0	9.0	90.0
100.0	124.0	129.0	115.0	125.0	4.0	108.0	74.0	3.0	7.0	9.0	90.0



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