

DIN 24960

Unbalanced Seal

Single Acting, Independent of Direction of Rotation

Mechanical Seal

Series N73

Standard Style

Face Materials:

Carbon / Lecroloy

Carbon / Ceramic

Carbon / Silicon Carbide

Silicon Carbide / Silicon Carbide

Metal Parts:

SS 316, SS 304

Secondary Seal:

Nitrile, Viton

Applications:

- Water Pumps
- Submersible Pumps

Seal Characteristics:

- Single acting
- Unbalanced
- Single helical coil Spring
- Independent of Direction of Rotation
- Torque Transmission by Elastomer bellow
- To DIN 24960

Operating Limits:

Shaft Diameter d_1 : 10 ... 100 mm

Pressure p : 12 bar (max)

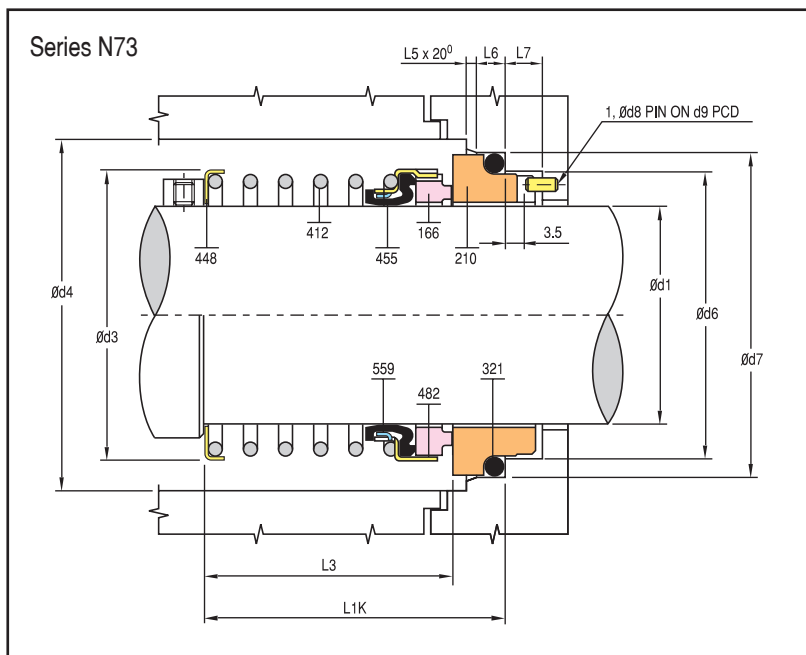
Temperature t : $-20 \dots +180^\circ\text{C}$

Velocity v : 10 m/sec



Seal with cartridge construction

Series N73 is single coil spring with elastomeric bellow, designed for water, oil and light duties. This seal has self aligning feature which compensate abnormal shaft end play and run out, which leads to improved service life. Elastomeric bellow protect shaft and sleeve from fretting. Drive to the seal faces is given through notches - provided on retainer. Seal can be repaired in field with minimum spares minimising the down time cost.



Part No. Description

- 166 Seal Ring
- 210 Mating Ring
- 321 O - Ring
- 412 Spring
- 448 Spring Holder
- 455 Bellow
- 482 Retainer
- 559 Drive Ring

SEAL SIZE	d3	d4	d6 ^{H11}	d7 ^{H8}	d8	d9	L3	L5	L6	L7	L1K ^{±0.5}
d1 ^{+0.00 -0.05}											
mm											
10.0	20.0	22.0	17.0	21.0	3.0	14.0	23.5	1.5	4.0	8.5	32.5
12.0	22.0	24.0	19.0	23.0	3.0	16.0	23.5	1.5	4.0	8.5	32.5
14.0	24.0	26.0	21.0	25.0	3.0	18.0	26.0	1.5	4.0	8.5	35.0
16.0	26.0	28.0	23.0	27.0	3.0	20.0	26.0	1.5	4.0	8.5	35.0
18.0	29.5	34.0	27.0	33.0	3.0	23.0	27.0	2.0	5.0	9.0	37.5
20.0	31.5	36.0	29.0	35.0	3.0	25.0	27.0	2.0	5.0	9.0	37.5
22.0	32.5	38.0	31.0	37.0	3.0	27.0	27.0	2.0	5.0	9.0	37.5
24.0	36.0	40.0	33.0	39.0	3.0	29.0	29.5	2.0	5.0	9.0	40.0
25.0	38.0	41.0	34.0	40.0	3.0	30.0	29.5	2.0	5.0	9.0	40.0
28.0	40.0	44.0	37.0	43.0	3.0	33.0	32.0	2.0	5.0	9.0	42.5
30.0	43.0	46.0	39.0	45.0	3.0	35.0	32.0	2.0	5.0	9.0	42.5
32.0	45.0	48.0	42.0	48.0	3.0	38.0	32.0	2.0	5.0	9.0	42.5
33.0	46.5	49.0	42.0	48.0	3.0	38.0	32.0	2.0	5.0	9.0	42.5
35.0	48.5	51.0	44.0	50.0	3.0	40.0	32.0	2.0	5.0	9.0	42.5
38.0	52.5	58.0	49.0	56.0	4.0	44.0	33.5	2.0	6.0	9.0	45.0
40.0	56.0	60.0	51.0	58.0	4.0	46.0	33.5	2.0	6.0	9.0	45.0
43.0	59.0	63.0	54.0	61.0	4.0	49.0	33.5	2.0	6.0	9.0	45.0
45.0	61.0	65.0	56.0	63.0	4.0	51.0	33.5	2.0	6.0	9.0	45.0
48.0	64.0	68.0	59.0	66.0	4.0	54.0	33.5	2.0	6.0	9.0	45.0
50.0	66.0	70.0	62.0	70.0	4.0	57.0	34.0	2.5	6.0	9.0	47.5
53.0	69.0	73.0	65.0	73.0	4.0	60.0	34.0	2.5	6.0	9.0	47.5
55.0	71.0	75.0	67.0	75.0	4.0	62.0	34.0	2.5	6.0	9.0	47.5
58.0	78.0	83.0	70.0	78.0	4.0	65.0	39.0	2.5	6.0	9.0	52.5
60.0	80.0	85.0	72.0	80.0	4.0	67.0	39.0	2.5	6.0	9.0	52.5
63.0	83.0	88.0	75.0	83.0	4.0	70.0	39.0	2.5	6.0	9.0	52.5
65.0	85.0	90.0	77.0	85.0	4.0	72.0	39.0	2.5	6.0	9.0	52.5
68.0	88.0	93.0	81.0	90.0	4.0	75.0	37.0	2.5	7.0	9.0	52.5
70.0	90.0	95.0	83.0	92.0	4.0	77.0	44.5	2.5	7.0	9.0	60.0
75.0	96.0	104.0	88.0	97.0	4.0	82.0	44.5	3.0	7.0	9.0	60.0
80.0	102.0	109.0	95.0	105.0	4.0	88.0	44.0	3.0	7.0	9.0	60.0
85.0	107.0	114.0	100.0	110.0	4.0	93.0	44.0	3.0	7.0	9.0	60.0
90.0	112.0	119.0	105.0	115.0	4.0	98.0	49.0	3.0	7.0	9.0	65.0
95.0	117.0	124.0	110.0	120.0	4.0	104.0	49.0	3.0	7.0	9.0	65.0
100.0	124.0	129.0	115.0	125.0	4.0	108.0	49.0	3.0	7.0	9.0	65.0