



Multi Spring Out Of Product Seal (MSOP 60 Series)

MSOP 60



Multi Spring Out Of Product Seal MSOP 60 Series is a multiple spring specially developed for slurry application. The springs are protected from the media by means of dynamic O ring. Although being a balanced seal it does not require step on the sleeve. The sleeve of the unbalanced seal can be used for this seal series without modification.

Applications : Food Industry, pulp & Paper Industry, Chemical Industry, Mining Industry, Water Treatment, Pharmaceuticals, Biofuels And Media Containing Slurry.

Seal Components :

Seal Face :

Carbon / Ceramic

Carbon / Silicon Carbide

Silicon Carbide / Silicon Carbide

Tungsten Carbide / Tungsten Carbide

Secondary Seal : Elastomers, TCV

Metal Parts : SS 304, SS 316, Hastelloy-C

Seal Characteristics :

- Single Acting
- Balanced
- Springs are Outside the Media
- Independent of Direction of Rotation
- Stable Drive-pins/Lugs
- No Shaft Fretting

Operating Parameters :

Shaft Dia : 20 to 100 mm

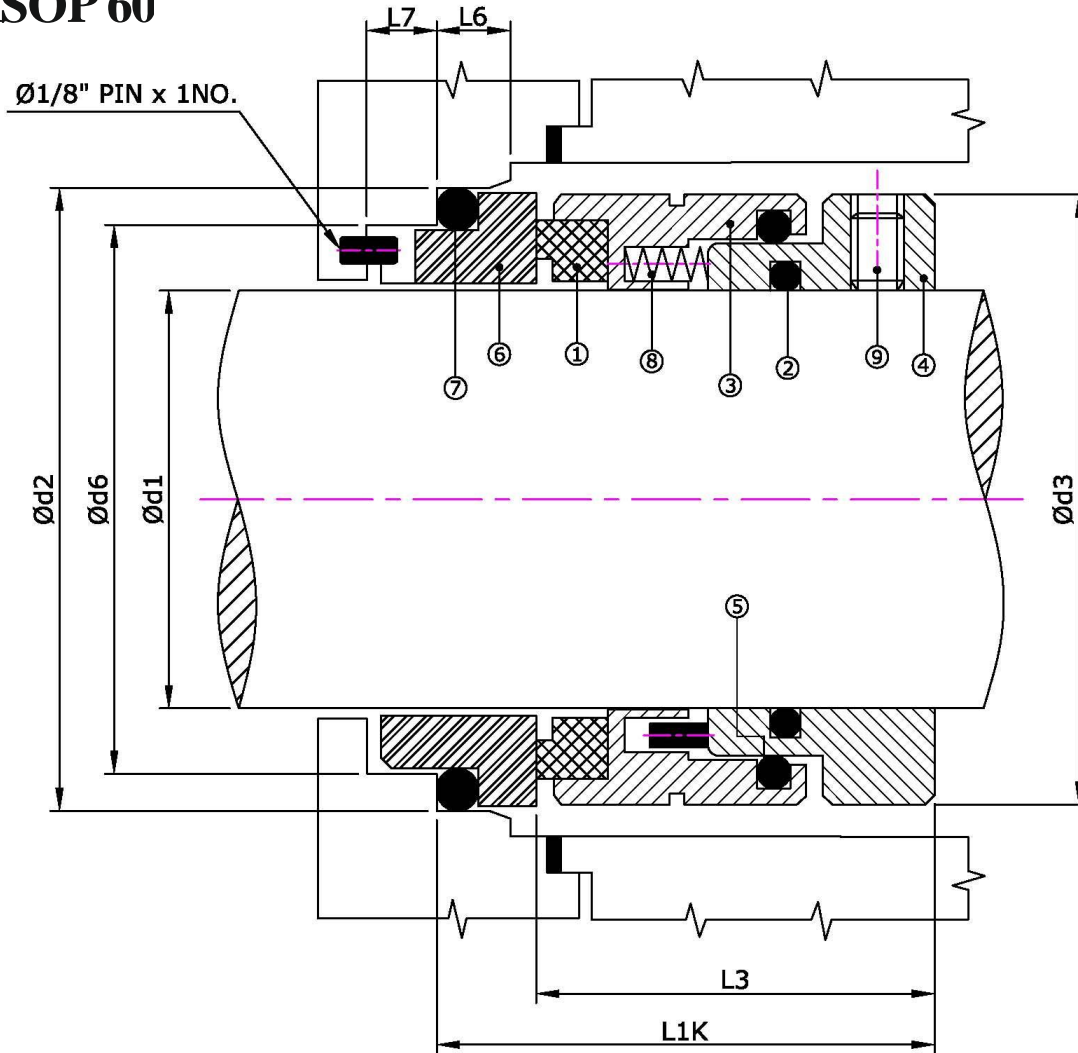
Pressure : 10 Bars (max)

Temperature : -20 to +180°C

Velocity : Up to 20 m/sec



MSOP 60



ITEM	DESCRIPTION
1	SEAL RING
2	O RING
3	SR SHELL
4	DRIVE COLLAR
5	O RING
6	MATING RING
7	O RING
8	SPRING
9	SET SCREW



MSOP 60 DIMENSIONS IN MILLIMETER

SEAL SIZE							
$\begin{matrix} +0.00 \\ d1 \\ -0.05 \end{matrix}$	$\begin{matrix} +0.00 \\ d2 \\ -0.05 \end{matrix}$	d3	$\begin{matrix} +0.10 \\ d6 \\ -0.00 \end{matrix}$	L3	L6	L7	L1K
20	27.0	32.0	23.0	27.5	5.5	8.5	33.0
22	33.0	34.0	27.0	27.5	7.0	9.0	34.5
24	35.0	36.0	29.0	30.0	7.0	9.0	37.0
25	37.0	38.0	30.0	30.0	7.0	9.0	37.0
28	39.0	40.0	33.0	32.5	7.0	9.0	39.5
30	40.0	44.0	34.0	32.5	7.0	9.0	39.5
32	42.0	46.0	36.0	32.5	7.0	9.0	39.5
33	43.0	47.0	37.0	32.5	7.0	9.0	39.5
35	45.0	49.0	39.0	32.5	7.0	9.0	39.5
38	48.0	54.0	42.0	34.0	7.0	9.0	41.0
40	50.0	56.0	44.0	34.0	7.0	9.0	41.0
43	56.0	59.0	49.0	34.0	8.0	9.0	42.0
45	58.0	61.0	51.0	34.0	8.0	9.0	42.0
48	61.0	64.0	54.0	34.0	8.0	9.0	42.0
50	63.0	66.0	56.0	34.5	8.0	9.0	42.5
53	66.0	69.0	59.0	34.5	8.0	9.0	42.5
55	70.0	71.0	62.0	34.5	8.5	9.0	43.0
58	73.0	78.0	65.0	39.5	8.5	9.0	48.0
60	75.0	80.0	67.0	39.5	8.5	9.0	48.0
63	78.0	83.0	70.0	39.5	8.5	9.0	48.0
65	80.0	85.0	72.0	39.5	8.5	9.0	48.0
68	83.0	88.0	75.0	45.0	8.5	9.0	53.5
70	85.0	90.0	77.0	45.0	8.5	9.0	53.5
75	92.0	99.0	83.0	45.0	9.5	9.0	54.5
80	97.0	104.0	88.0	45.0	9.5	9.0	54.5
85	105.0	109.0	95.0	49.5	10.0	9.0	59.5
90	110.0	114.0	100.0	49.5	10.0	9.0	59.5
95	115.0	119.0	105.0	49.5	10.0	9.0	59.5
100	120.0	124.0	110.0	49.5	10.0	9.0	59.5