



Wave Spring Seal (WSU 300 Series & WSU 310 Series)

WSU 300



Wave Spring Unbalanced Seal WS 300 Series & WS 310 Series are single wave spring seals suitable for most general applications. Advantage of these seals is due to use of single wave spring. Seal is of compact design with reduced axial length. These seals can also be used in dirty application as spring clogging does not occur.

WSU 310

Applications : Light Abrasive Slurry, Light Sewage Water, High Viscosity Fluids General and Light Chemicals & Hydrocarbons.

Seal Components :

Seal Face :

Carbon / Ceramic

Carbon / Silicon Carbide

Silicon Carbide / Silicon Carbide

Tungsten Carbide / Tungsten Carbide

Secondary Seal :

WSU 300 : Elastomers

WSU 310 : PTFE, GFT

Metal Parts : SS 304, SS 316

Seal Characteristics :

- Single Acting Unbalanced
- Inside Mounted
- Independent of Direction of Rotation
- Wave Spring Loaded

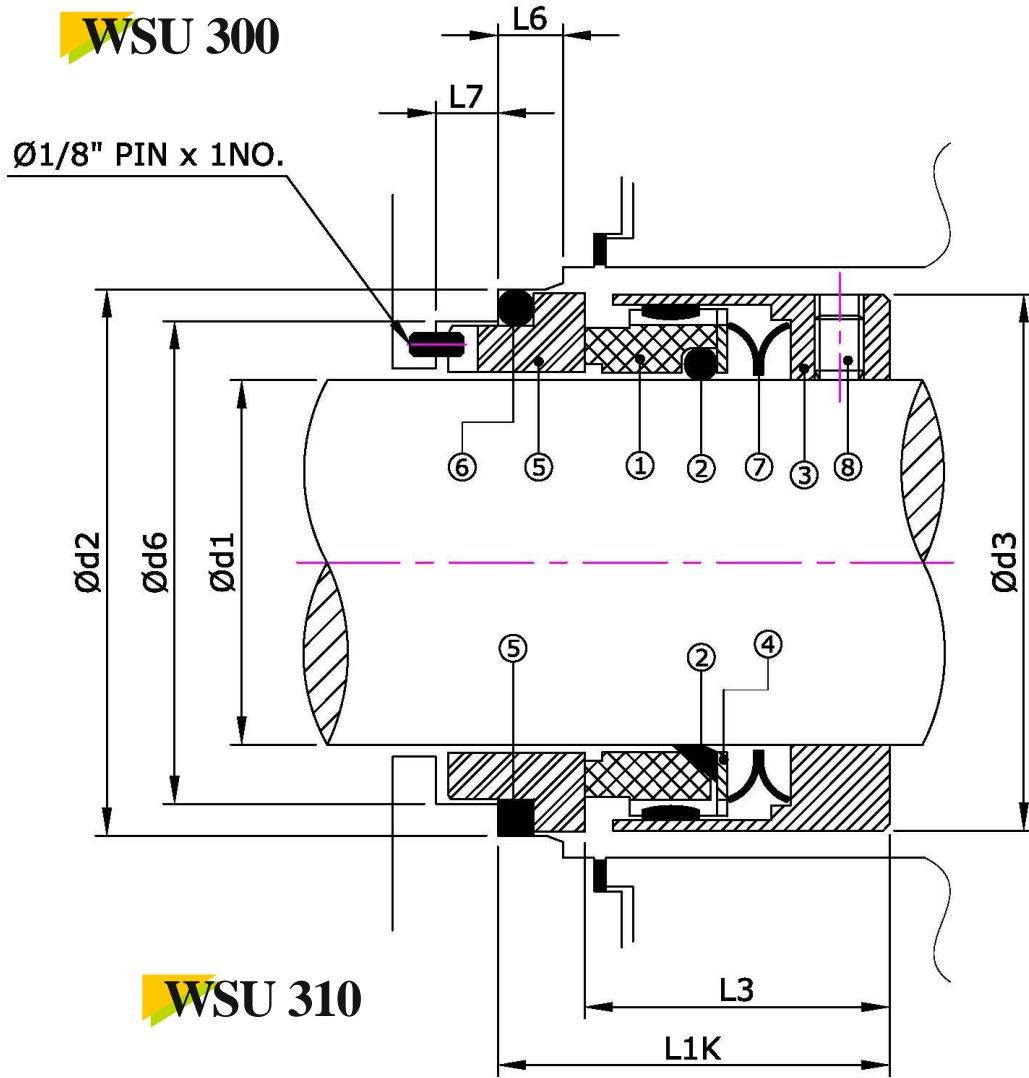
Operating Parameters :

Shaft Dia : 18 to 105 mm / 0.875 to 4.000 Inch

Pressure : 10 Bars (max)

Temperature : -45 to +180°C

Velocity : Up to 20 m/sec



ITEM	DESCRIPTION
1	SEAL RING
2	O RING / WEDGE
3	RETAINER
4	THRUST RING
5	MATING RING
6	O RING / PTFE PACKING
7	WAVE SPRING
8	SET SREW



WSU 300 & WSU 310 DIMENSIONS IN MILLIMETER

SEAL SIZE							
d1	d2	d3	d6	L6	L7	L3	L1K
18	25.0	33	21.0	5.5	8.5	32.5	42.5
20	27.0	35	23.0	5.5	8.5	32.5	42.5
22	33.0	37	27.0	7.0	9.0	33.5	45.0
24	35.0	39	29.0	7.0	9.0	33.5	45.0
26	37.0	41	31.0	7.0	9.0	33.5	45.0
28	39.0	43	33.0	7.0	9.0	36.0	47.5
30	40.0	45	34.0	7.0	9.0	36.0	47.5
33	43.0	48	37.0	7.0	9.0	38.5	50.0
35	45.0	50	39.0	7.0	9.0	38.5	50.0
38	48.0	55	42.0	7.0	9.0	38.5	50.0
40	50.0	57	44.0	7.0	9.0	38.5	50.0
43	56.0	60	49.0	8.0	9.0	38.5	52.5
45	58.0	62	51.0	8.0	9.0	38.5	52.5
48	61.0	65	54.0	8.0	9.0	38.5	52.5
50	63.0	67	56.0	8.0	9.0	38.5	52.5
53	66.0	70	59.0	8.0	9.0	38.5	52.5
55	70.0	72	62.0	8.5	9.0	42.5	57.5
58	73.0	79	65.0	8.5	9.0	42.5	57.5
60	75.0	81	67.0	8.5	9.0	42.5	57.5
63	78.0	84	70.0	8.5	9.0	47.5	62.5
65	80.0	86	72.0	8.5	9.0	47.5	62.5
68	83.0	89	75.0	8.5	9.0	47.5	62.5
70	85.0	91	77.0	8.5	9.0	47.5	62.5
75	92.0	99	83.0	9.5	9.0	52.0	70.0
80	97.0	104	88.0	9.5	9.0	52.0	70.0
85	105.0	109	95.0	10.0	9.0	51.8	70.0
90	110.0	114	100.0	10.0	9.0	56.8	75.0
95	115.0	119	105.0	10.0	9.0	56.8	75.0
100	120.0	124	110.0	10.0	9.0	57.8	75.0
105	125.0	129	115.0	10.0	9.0	57.8	75.0



WSU 300 & WSU 310 DIMENSIONS IN INCH

SEAL SIZE								
+0.00 d1 -0.05		+0.00 d2 -0.05	d3	+0.10 d6 -0.00	L6	L7	L3	L1K
Inch	mm							
0.875	22.225	37.95	37.0	32.15	7.0	8.5	33.5	42.5
1.000	25.400	41.15	40.0	35.34	7.0	8.5	33.5	42.5
1.125	28.575	44.32	43.0	38.50	7.0	8.5	36.0	47.5
1.250	31.750	47.50	47.5	41.68	7.0	8.5	38.5	50.0
1.375	34.925	50.67	50.0	44.86	7.0	9.0	38.5	50.0
1.500	38.100	53.85	55.0	48.04	7.0	9.0	38.5	50.0
1.625	41.275	60.20	59.0	54.38	7.0	9.0	38.5	52.5
1.750	44.450	63.35	62.0	57.56	7.0	9.0	38.5	52.5
1.875	47.625	66.55	65.0	60.74	7.0	9.0	38.5	52.5
2.000	50.800	69.72	68.0	63.92	7.0	9.0	38.5	52.5
2.125	53.975	76.05	72.0	70.26	7.0	9.0	42.5	57.5
2.250	57.150	79.24	79.0	73.44	7.0	9.0	42.5	57.5
2.375	60.325	82.42	82.0	76.62	7.0	9.0	42.5	57.5
2.500	63.500	85.60	84.5	79.78	7.0	9.0	47.5	62.5
2.625	66.675	85.60	88.0	79.80	7.0	9.0	47.5	62.5
2.750	69.850	88.77	91.0	82.96	7.0	9.0	47.5	62.5
2.875	73.025	91.66	97.5	85.86	9.5	9.0	52.0	70.0
3.000	76.200	94.84	100.5	89.04	9.5	9.0	52.0	70.0
3.125	79.375	98.00	104.0	92.20	9.5	9.0	52.0	70.0
3.250	82.550	101.16	107.5	95.36	9.5	9.0	52.0	70.0
3.375	85.725	104.36	110.0	98.56	10.0	9.0	52.0	70.0
3.500	88.900	107.54	113.0	101.74	10.0	9.0	52.0	70.0
3.625	92.075	110.70	116.5	101.90	10.0	9.0	57.0	75.0
3.750	95.250	113.88	119.5	108.08	10.0	9.0	57.0	75.0
3.875	98.425	117.56	123.0	111.76	10.0	9.0	58.0	75.0
4.000	101.600	120.22	126.0	114.44	10.0	9.0	58.0	75.0