



Dry Running Seal (DRS 710 Series)

DRS 710



Dry Running Seal DRS 610 Series is factory assembled & dynamic tested seal for steel, glass lined & SS mixers, agitators & vessels. It is a multiple spring externally mounted, reverse balanced seal with 'O' ring for secondary sealing. Various elastomers can be offered for different service applications. These seals are basically used on top entry agitators as dry running seals. When food products or pharmaceutical products are agitated in agitator, mixing of any other liquid will contaminate the product & affect its quality, hence these dry running seals are used. These seals do not require any external media for lubricating the faces and are therefore called dry running seals.

Applications : Pharmaceutical & Food Industries.

Seal Components :

Seal Face :

Carbon / Silicon Carbide

Carbon / Tungsten Carbide

Silicon Carbide / Silicon Carbide

Secondary Seal :

Elastomers, PTFE, TCV

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

Hastelloy-B, Monel, Alloy-20.

Seal Characteristics :

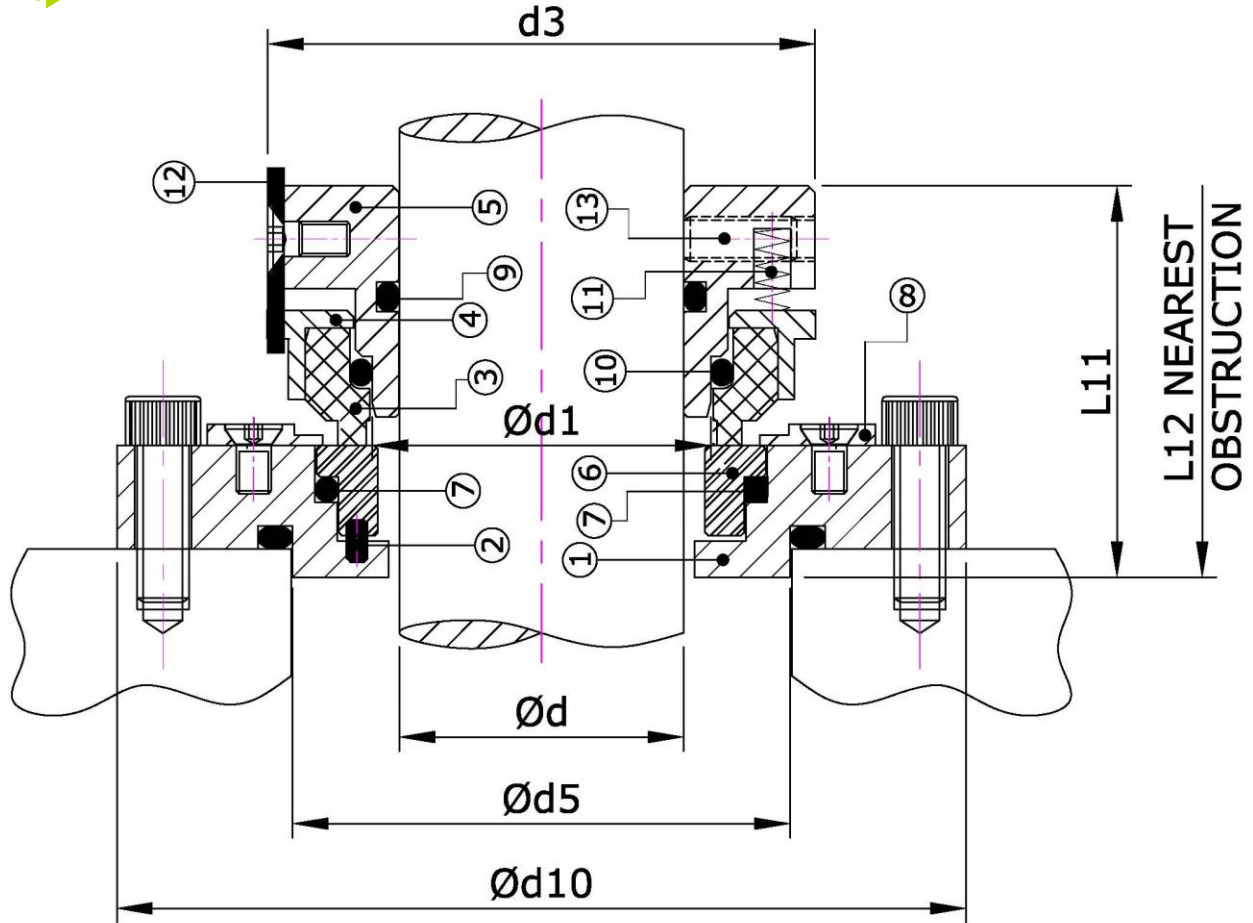
- Single Acting
- Reverse Balanced
- Outside Mounted
- Independent of Direction of Rotation
- Dry Running

Operating Parameters :

Shaft Dia	: 15 to 150 mm
Pressure	: Vacuum to 8 Bars (max)
Temperature	: Ambient to +120°C
Speed	: Up to 320 rpm (max)



DRS 710



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	GLAND	8	LOCKING PLATE
2	PIN	9	O RING
3	SEAL RING	10	O RING
4	SR SHELL	11	SPRING
5	DRIVE COLLAR	12	LOCATION PLATE
6	MATING RING	13	SET SCREW
7	ORING / PTFE PACKING		



DRS 710 DIMENIONS IN MILLIMETER

SHAFT SIZE	SEAL SIZE							
d^{g6}	$d1^{+0.00/-0.05}$	$d3$	$d5^{H12}$	M,d8	d9	d10	L11	L12
15.0	25.5	47.5	40.0	4,M8	90.0	105.0	60.0	95.0
20.0	29.0	51.0	45.0	4,M8	95.0	110.0	60.0	95.0
25.0	35.0	58.5	50.0	4,M8	105.0	120.0	65.0	100.0
28.0	36.5	60.0	60.0	4,M10	115.0	135.0	65.0	100.0
30.0	38.0	61.5	60.0	4,M10	115.0	135.0	65.0	100.0
35.0	44.5	71.0	60.0	4,M10	120.0	140.0	80.0	115.0
40.0	51.0	77.5	70.0	4,M10	130.0	150.0	80.0	115.0
45.0	54.0	81.0	75.0	4,M10	130.0	150.0	80.0	115.0
50.0	60.5	87.5	80.0	4,M10	140.0	160.0	80.0	115.0
55.0	63.5	91.0	85.0	4,M10	145.0	165.0	80.0	115.0
60.0	70.0	97.0	90.0	4,M10	150.0	170.0	80.0	115.0
65.0	76.0	103.5	100.0	6,M10	160.0	180.0	80.0	115.0
70.0	79.5	106.5	105.0	6,M10	165.0	185.0	80.0	115.0
75.0	85.5	113.0	110.0	6,M10	170.0	190.0	80.0	115.0
80.0	89.0	116.0	120.0	6,M12	175.0	200.0	80.0	115.0
85.0	95.5	122.5	130.0	6,M12	185.0	210.0	80.0	115.0
90.0	101.5	129.0	140.0	8,M12	185.0	210.0	80.0	115.0
95.0	105.0	132.0	145.0	8,M12	195.0	220.0	85.0	120.0
100.0	111.0	141.0	145.0	8,M12	200.0	225.0	85.0	120.0
105.0	114.5	144.0	150.0	8,M12	210.0	235.0	85.0	120.0
110.0	120.5	152.0	160.0	8,M12	220.0	245.0	85.0	120.0
115.0	127.0	160.0	165.0	8,M12	225.0	250.0	85.2	120.0
120.0	130.0	162.0	170.0	8,M12	230.0	255.0	85.0	120.0
125.0	136.5	169.5	170.0	8,M12	235.0	260.0	85.0	120.0
130.0	139.5	170.0	175.0	8,M12	240.0	265.0	85.0	120.0
135.0	146.0	176.0	180.0	8,M12	245.0	270.0	90.0	125.0
140.0	152.5	183.0	185.0	8,M12	255.0	280.0	90.0	125.0
145.0	155.5	186.0	190.0	8,M12	260.0	285.0	90.0	125.0
150.0	162.0	192.0	195.0	8,M12	265.0	290.0	90.0	125.0