

Roplan RT153

Features

- For side entry agitator applications
- Externally mounted seal
- Balanced seal face design for vacuum conditions
- Non-rotating springs
- Flush port
- Pharma grade elastomers
- Cartridge seal design with setup clips included



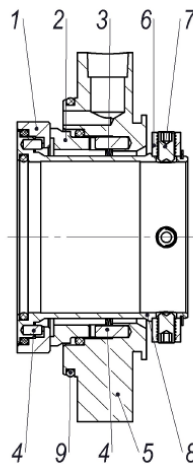
Benefits

- No dynamic O-ring in contact with shaft or shaft sleeve prevents fretting and wear.
- Seal has higher tolerance for shaft deflection and misalignment (up to 0.100" TIR).
- Exposed O-ring grooves improves cleanability.

Single Mechanical Seal

Items, Description, Material

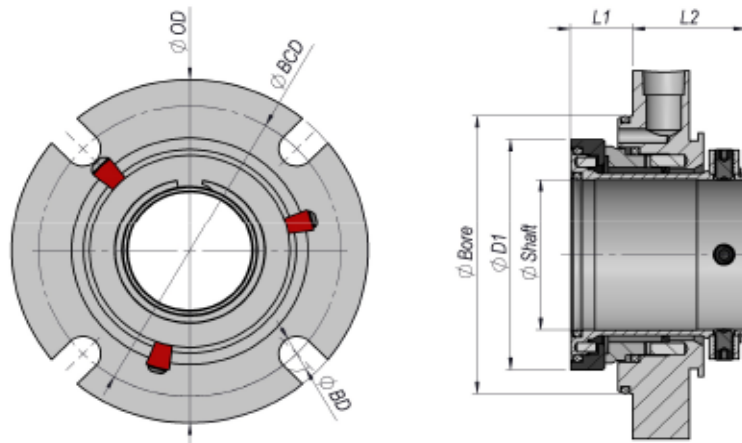
1. Seal Ring – See code
2. Mating Ring – See code
3. Coil Spring – 316
4. Pin – 316
5. Housing – 316L
6. Drive Ring – 316L
7. Set Screw – 316
8. Sleeve – 316L
9. O-rings – See code



Performance

Shaft diameter: 1" to 3.5"
Temperature: -40°C (-40°F) to 200°C (390°F) (depending on material)
Pressure: 300 psi
Speed: 3600 RPM
Contact Roplan for more specific performance information.

Dimensions



Single							
Shaft Size	D1	Bore	OD	BCD	BD	L1	L2
1"	2.228	3.125	4.125	3.750	0.453	0.875	1.825
1.25"	2.478	3.375	4.375	4.000			
1.5"	2.728	3.625	4.625	4.250			
2"	3.228	4.125	5.750	4.875	0.579	1.000	
2.5"	3.831	4.625	6.125	5.500			
3"	4.331	5.125	7.500	6.250			
3.25"	4.581	5.375	7.750	6.500	0.689	1.000	
3.5"	4.831	5.625	8.000	6.750			

Single (metric)							
Shaft Size	D1	Bore	OD	BCD	BD	L1	L2
50 mm	82.00	104.78	146.05	123.83	14.70	22.25	46.36
65 mm	97.30	117.48	155.58	139.70		25.40	
80 mm	116.35	136.53	196.85	165.10			
90 mm	122.70	142.88	203.2	171.45	17.50		

How to Order

Type	Size	Seal Seal	Mating Ring	Elastomer	Hardware
RT153-	x-	x	x	x-	x
	25.4 (1")	S6 (SiC)	C (Carbon)	E7 (EPDM Pharma)	C (Complete seal w/out Flush)
	31.75 (1.25")		S6 (SiC)	F7 (FKM Pharma)	CF (Complete seal w/ Flush)
	38.1 (1.5")		T4 (WC-Ni)	Y8 (FEPM)	
	50				
	50.8 (2")				
	63.5 (2.5")				
	65				
	76.2 (3")				
	80				
	82.55 (3.25")*				
	88.9 (3.5")				
	90				

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