

Roplan HDS

Roplan
MECHANICAL SEALS

Features

- For heavy duty side entry agitator applications
- Externally mounted seal
- Externally mounted, non-clogging, single coil spring
- Floating throttle bushing
- Flush, drain, vent and quench ports
- Large diameter drain port
- Heavy duty seal face combination
- Setup clips included for ease of installation



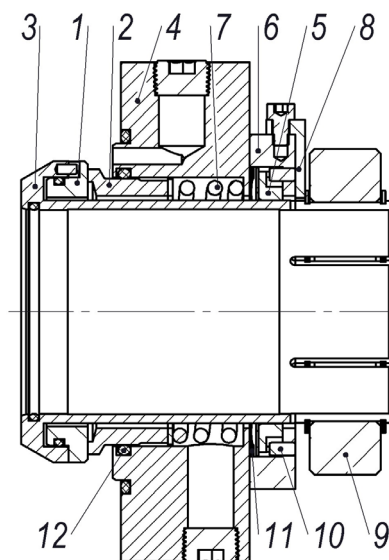
Benefits

- No dynamic O-ring in contact with shaft or shaft sleeve prevents fretting and wear.
- Robust design suitable for severe duty/high solids applications
- Designed for API Plan 65
- Exposed O-ring grooves improves cleanability.

Single Mechanical Seal

Items, Description, Material

1. Seal Ring – SiC
2. Mating Ring – WC-Ni
3. Sleeve – 316L
4. Housing – 316L
5. Bushing - Carbon
6. Housing – 316L
7. Coil Spring – 316
8. Setup Clip – Aluminum
9. Shaft Collar – Carbon Steel
10. Pin - 316
11. Wave Spring – 17/7
12. O-rings – FKM



Performance

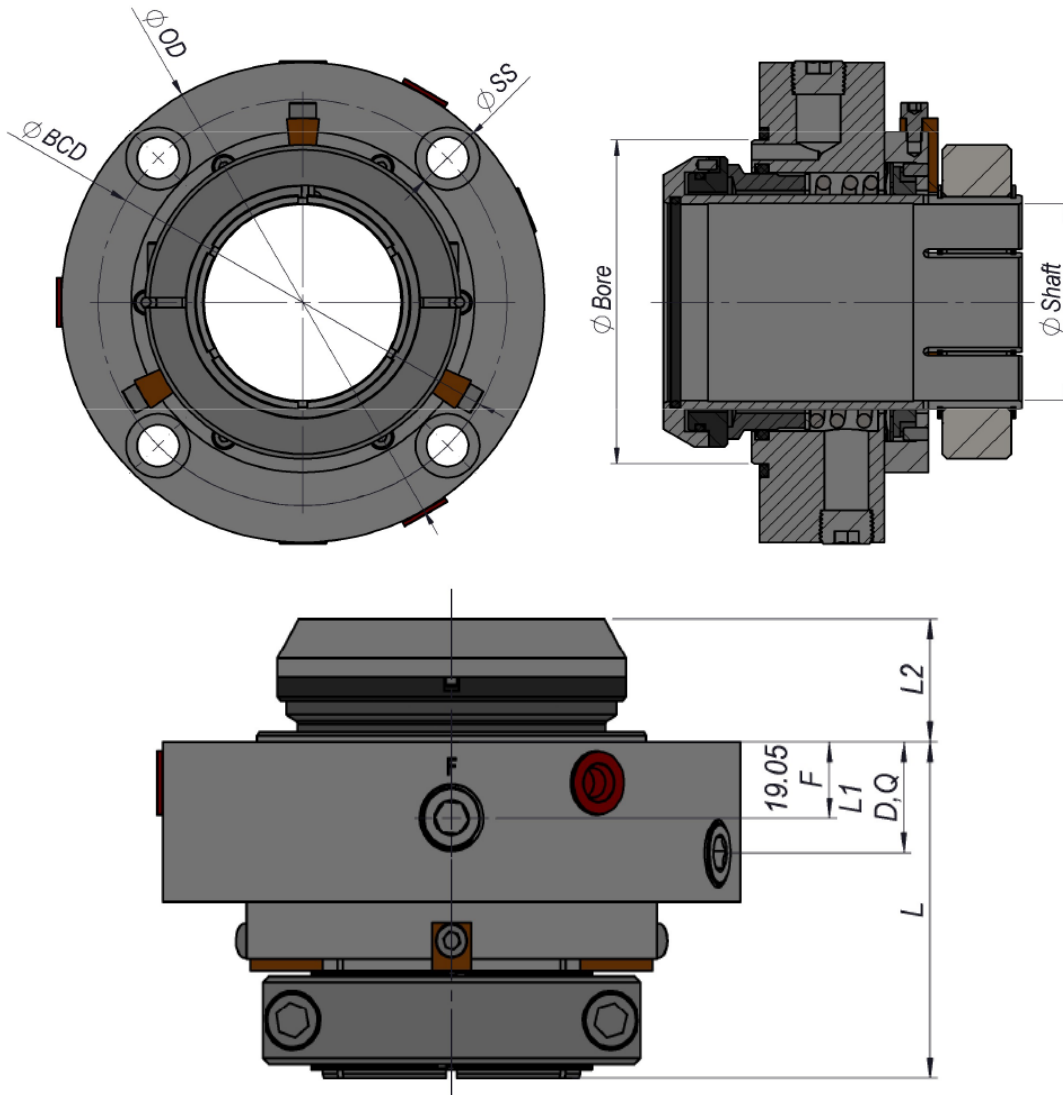
Shaft diameter: 1.875" to 3.5"
Temperature: -40°C (-40°F) to 150°C (302°F)
Pressure: 150 psi
Speed: 1800 RPM

Contact Roplan for more specific performance information.

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Dimensions



Shaft Size	Bore	OD	BCD	L1	L2	L	SS
1.875"	92.05	133.35	114.30	28.05	30.95	81.35	3/8" SHCS
2.5"	104.75	155.38	131.76			84.50	1/2" SHCS
3"	123.80	177.80	152.40	36.80	36.20	94.35	
3.5"	133.32	184.15	160.34				