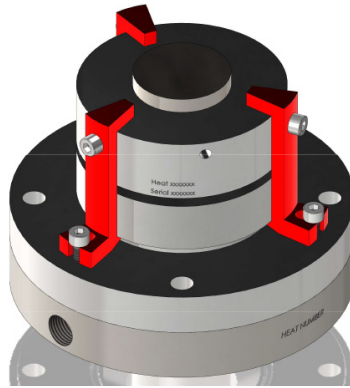


Roplan SDRL

Roplan
MECHANICAL SEALS

Features

- For dry running top entry agitator applications
- Externally mounted seal
- Product contact parts fully traceable
- Meets requirements of ASME BPE standard
- Suitable for CIP and SIP
- Suitable for vacuum conditions
- Pharma grade elastomers and seal faces as standard
- Polished and EP surface finish available upon request
- Setup clips included for ease of installation



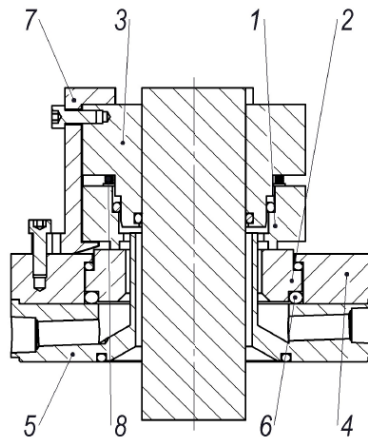
Benefits

- No dynamic O-ring in contact with shaft or shaft sleeve prevents fretting and wear.
- Proprietary carbon grades greatly reduce noise.
- Self-drainable debris well design.
- Seal has higher tolerance for shaft deflection and misalignment (up to 0.150" TIR).
- Exposed O-ring grooves improves cleanability.

Single Mechanical Seal

Items, Description, Material

1. Seal Ring – See code
2. Mating Ring – See code
3. Drive Ring – See code
4. Gland Ring – 316L
5. Debris Well – See code
6. O-Ring – See code
7. Setup Clip – Aluminum
8. Coil Spring - 316



Performance

Shaft diameter: 20 mm to 140 mm

Temperature: -45°C (-50°F) to 200°C (390°F)

(depending on material)

Pressure: 13.8 bar

Speed: 1200 RPM

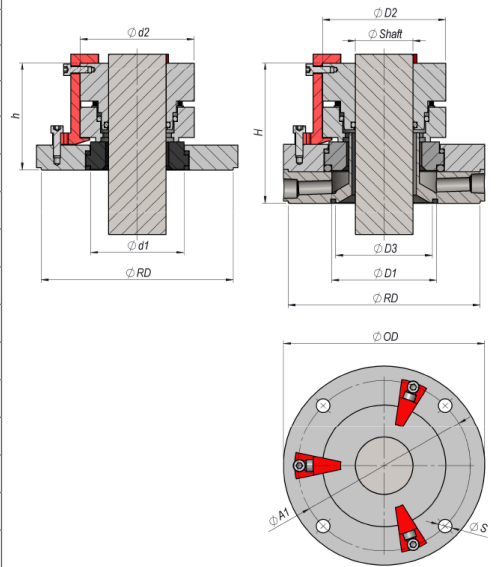
Contact Roplan for more specific performance information.

Roplan
5020 World Dairy Drive, Madison,
WI 53718, USA

Tel. +1-608-229-5225
www.roplan.com

Dimensions

Shaft Size	d1	d2	h	D1	D2	D3	H	RD	OD	S	A1
	Without Debris Well			With Debris Well							
20	45	60.33	75.11	53.98	66.68	47.2	98.4	113.6	120	9.5	100
25	47	63.5		57.15	69.85	52.2		118.6	125		105
28	50	66.68		60.33	73.03	55.2		121.6	128		108
30	55	69.85		63.5	76.2	57.2		123.6	130		110
32	57	73.03		66.68	79.38	59.2		125.6	132		112
35	60	76.2		69.85	82.55	62.2		128.6	135		115
38	63	76.2		69.85	82.55	62.2		131.6	138		118
40	65	79.38		73.03	85.73	67.2		133.6	140		120
45	70	85.73		79.38	92.08	72.2		143.6	150		123
48	73	88.9		82.55	95.25	75.2		148.6	155		125
50	73	88.9		82.55	95.25	75.2		148.6	155		125
55	80	95.25		88.9	101.6	82.2		153.6	160		130
60	85	98.43		92.08	104.78	87.2		158.6	165		138
65	90	104.78		98.43	111.13	92.2		163.6	170		140
70	95	111.13		104.78	120.65	97.2		168.6	175		145
75	100	114.3		107.95	127	102.2		173.6	180		150
80	105	127	114.3	133.35	107.2	178.6	185	155			
85	110	133.35	120.65	139.7	112.2	183.6	190	165			
90	115	139.7	127	146.05	117.2	193.6	200	168			
95	120	139.7	127	146.05	122.2	198.6	205	170			
100	125	146.05	133.35	152.4	127.2	203.6	210	175			
105	130	152.4	139.7	158.75	132.2	208.6	215	180			
110	135	158.75	146.05	165.1	137.2	213.6	220	190			
120	145	165.1	152.4	171.45	142.2	223.6	230	195			
125	150	171.45	158.75	171.45	152.2	233.6	240	205			
130	160	177.8	165.1	184.15	157.2	243.6	250	215			
140	170	190.5	177.8	177.8	167.2	253.6	260	225			
						104.75				14	



How to Order

Type	Size	Seal Ring	Mating Ring	Metal*	Elastomer	Surface Finish**	Configurator
SDRL	x	x	x	x	x	x	x
	020 (20 mm)	C3 (Carbon)	S6 (SiC)	A4 (316L)	E1 (EPDM)***	0 (0.8 µm Ra)	--
	025 (25 mm)	C9 (Carbon)		G2 (C276)	E7 (EPDM Pharma)	1 (0.5 µm Ra)	DW (Debris well)
	028 (28 mm)	J6 (PTFE-Carbon)		A9 (AL6XN)	F1 (FKM)***	4 (0.38 µm Ra + EP)	
	030 (30 mm)				F7 (FKM Pharma)		
	032 (32 mm)				L7 (Silicone Pharma)		
	035 (35 mm)				P3 (FEP/FKM)***		
	038 (38 mm)				Q0 (FFKM Pharma)		
	040 (40 mm)				Z5 (FFKM)***		
	045 (45 mm)						
	048 (48 mm)						
	050 (50 mm)						
	:						
	110 (110 mm)						
	120 (120 mm)						
	125 (125 mm)						
	130 (130 mm)						
	140 (140 mm)						
*Product contact parts							
**Product contact surfaces							
***Elastomers not traceable							