

4.3 MECHANICAL SEALS - PRODUCT RANGE - SSAI™



KEY FEATURES:

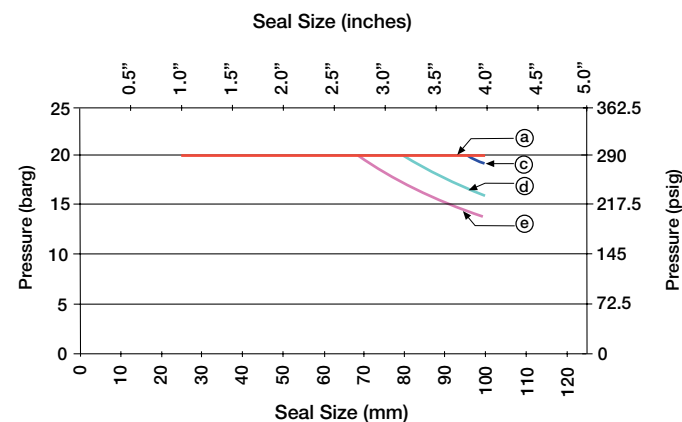
- Single multi-spring rotary component seal
- Hydraulically balanced seal faces for the product
- Bi-directional rotation
- Short internal working length

SEAL ORIENTATION: Horizontal

OPERATING CONDITIONS:

- Temperature : -20°C to 180°C (-4°F to 356°F)
(Application and Seal Material Dependent)
- Pressure : Vacuum (-28"Hg) to 20 Bar g (290 psig) - OD pressurised only
- Speed : Up to 20 m/s (4000 ft/min)

PRESSURE DERATING CHART:



Graph No. 4-03

For final pressure rating, refer to Page No. 14 - key to graph

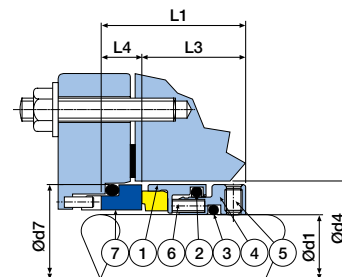


Figure No. 4-05

PART LIST:

Item	Description	Material
1	Rotary Face	316L SS - Carbon / TC* / SiC
2	Rotary O Ring	Viton® / EPR / Kalrez® / Atlas®
3	Inner Barrel O Ring	Viton® / EPR / Kalrez® / Atlas®
4	Inner Barrel	316 Stainless Steel
5	Drive Screw	Stainless Steel
6	Springs	Alloy 276
7	S05 Stationary**	

* This material is made to order only

** This is not supplied as standard

Table No. 4-06

SSAI™ - Dimensional Information (mm):

Ød1	L3	L4	L1	Ød7	Ød4MIN
20	20	10.0	30.0	35	36
22	20	10.0	30.0	37	38
24	22	10.0	32.0	39	40
25	23	10.0	33.0	40	41
28	23	10.0	33.0	43	44
30	24	10.0	34.0	45	46
32	24	10.0	34.0	48	48
33	24	10.0	34.0	48	49
35	24	10.0	34.0	50	51
38	27	11.0	38.0	56	58
40	28	11.0	39.0	58	60
43	28	11.0	39.0	61	63
45	28	11.0	39.0	63	65
48	28	11.0	39.0	66	68
50	27	13.0	40.0	70	70
53	27	13.0	40.0	73	73
55	27	13.0	40.0	75	75
58	29	13.0	42.0	78	83
60	29	13.0	42.0	80	85
63	32	13.0	45.0	83	88
65	32	13.0	45.0	85	90
68	32	15.3	47.3	90	93
70	32	15.3	47.3	92	95
75	32	15.3	47.3	97	104
80	32	15.7	47.7	105	109
85	32	15.7	47.7	110	114
90	38	15.7	53.7	115	119
95	38	15.7	53.7	120	124
100	38	15.7	53.7	125	129

Table No. 4-07

APPLICATION AREAS:

- General service applications