



sterling range

www.first4seals.com



single spring

mechanical seal range

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DOC / F4S 5018 12/2005

Reference Issue • L - UK - F4SSPRING - 01

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TYPE 152 MECHANICAL SEALS (Metric)

Type 152 DIN Profile Seals have a working length to suit a common International standard and the same working length and the same stationary seat as Type 212.

The robust, heavy duty bellows design provides optimum flexibility, durability and performance.



Benefits

- Robust – Heavy duty bellows
- Self adjusting – Bellows take care of wear and shaft float
- Long life – Due to rugged construction
- Non clogging – Open single coil spring and bellows
- Non fretting – No moving 'O' Rings
- Bi-directional – Heavy duty bellows drive

All metal parts in Stainless Steel as standard.

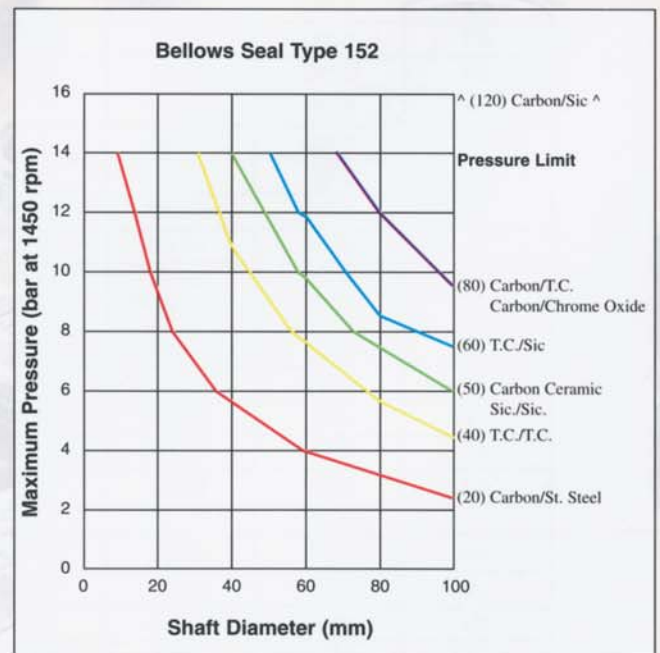
Service Capability

- Maximum Speed – 15m/sec*
- Maximum Pressure – 14 bar*
- Temperature – -40°C to +200°C
- Media – Dependant on materials

* See P.V. Curves for maximum speed/pressure combination

NOTE

P.V. Curves for water at 20°C

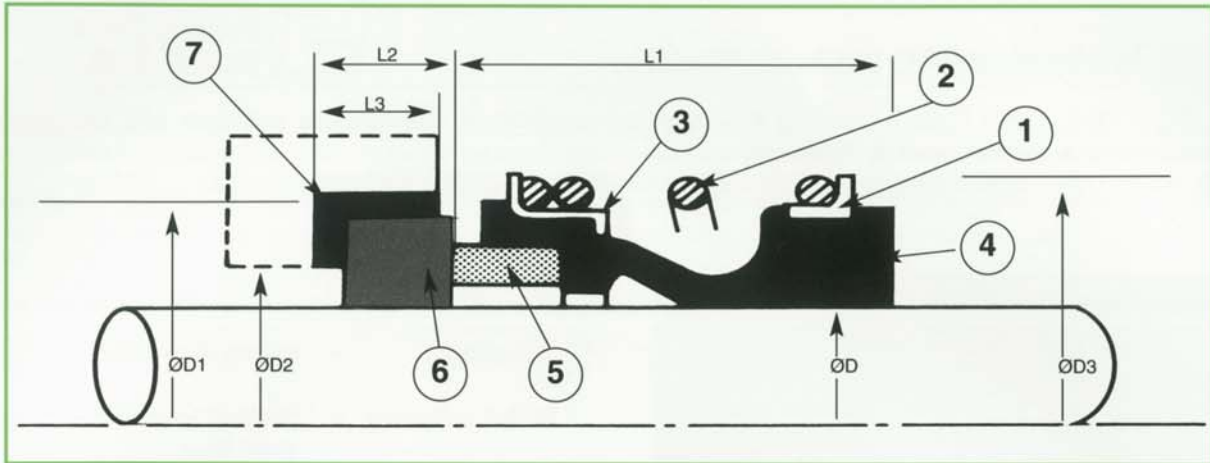


Materials

- Rotary Face (5) – Carbon, Reaction Bonded Silicon Carbide
- Stationary Face (6) – Ceramic, Reaction Bonded Silicon Carbide
- Spring (2) – 316 Stainless Steel
- Metal Parts (1,3) – 316 Stainless Steel
- Elastomers (4,7) – Nitrile, EP, Viton

OTHER MATERIALS AVAILABLE TO SPECIAL ORDER

SEAL TYPE 152 (Metric)



Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm
10	0100	24.60	16.00	20.0	25.40	08.74	07.47
12	0120	27.79	19.05	22.0	25.40	08.74	07.47
13	0130	27.79	19.05	22.0	25.40	08.74	07.47
14	0140	30.95	22.23	24.0	25.40	10.32	08.97
15	0150	30.95	22.23	25.0	25.40	10.32	08.97
16	0160	30.95	22.23	26.0	25.40	10.32	08.97
18	0180	34.15	25.40	32.0	25.40	10.32	08.97
19	0190	34.15	25.40	32.0	25.40	10.32	08.97
20	0200	35.70	26.99	34.0	25.40	10.32	08.97
22	0220	37.30	28.58	36.0	25.40	10.32	08.97
24	0240	40.50	31.75	38.0	25.40	10.32	08.97
25	0250	40.50	31.75	39.0	25.40	10.32	08.97
28	0280	47.63	35.72	42.0	33.34	11.99	10.46
30	0300	50.80	38.89	44.0	33.34	11.99	10.46
32	0320	50.80	38.89	46.0	33.34	11.99	10.46
33	0330	53.98	42.07	47.0	33.34	11.99	10.46
34	0340	53.98	42.07	49.0	33.34	11.99	10.46
35	0350	53.98	42.07	49.0	33.34	11.99	10.46
38	0381	57.15	45.24	54.0	33.34	11.99	10.46
40	0400	60.35	48.82	56.0	33.34	11.99	10.46
42	0420	63.50	51.59	59.0	40.48	11.99	10.46
43	0430	63.50	51.59	59.0	40.48	11.99	10.46
44	0440	63.50	51.59	59.0	40.48	11.99	10.46
45	0450	63.50	51.59	61.0	40.48	11.99	10.46
48	0480	66.70	54.75	64.0	40.48	11.99	10.46
50	0500	69.85	58.00	66.0	40.48	11.99	10.46
53	0530	73.05	62.00	69.0	41.00	13.50	11.96
55	0550	76.20	65.00	71.0	41.00	13.50	11.96
58	0580	79.40	68.00	78.0	41.00	13.50	11.96
60	0600	79.40	68.00	80.0	41.00	13.50	11.96
63	0630	82.55	71.20	83.0	41.00	13.50	11.96
65	0650	92.10	78.35	85.0	49.00	15.90	14.50
70	0700	95.25	81.10	90.0	49.00	15.90	14.50
73	0730	98.45	84.50	96.0	49.00	15.90	14.50
75	0750	101.65	88.10	99.0	49.00	15.90	14.50
80	0800	114.30	97.00	104.0	56.00	20.00	18.50
85	0850	117.50	100.00	109.0	56.00	20.00	18.50
90	0900	123.85	107.00	114.0	59.00	20.00	18.50
95	0950	127.00	110.00	119.0	59.00	20.00	18.50
100	1000	133.35	116.00	124.0	62.00	20.00	18.50