



sterling range

www.first4seals.com



single spring

mechanical seal range

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TYPE SM3 MECHANICAL SEALS

Type SM3 Seals are 'O' Ring mounted, Conical Spring seals of similar design to the Type SM32 but with a solid stainless steel rotary face and carbon stationary.

They are suitable for general and medium duty applications.



Benefits

- Robust – Due to simple construction
- Self adjusting – 'O' Ring slides along the shaft to allow for wear
- Non clogging – Due to open single spring design
- Simple fitting – Just push on to shaft

All metal parts in Stainless Steel as standard.

Service Capability

- Maximum Speed – 20m/sec*
- Maximum Pressure – 10 bar*
- Temperature – -40°C to +200°C
- Media – Dependant on materials

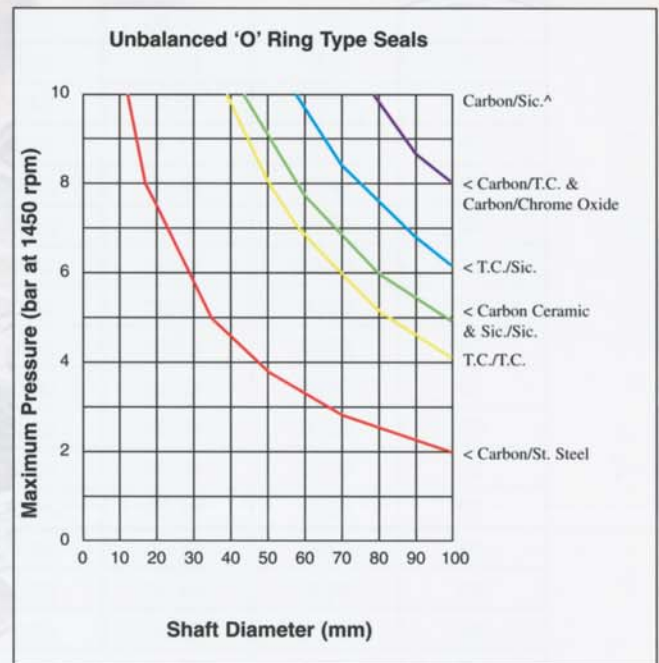
* See P.V. Curves for maximum speed/pressure combination

NOTE

P.V. Curves for water at 20°C

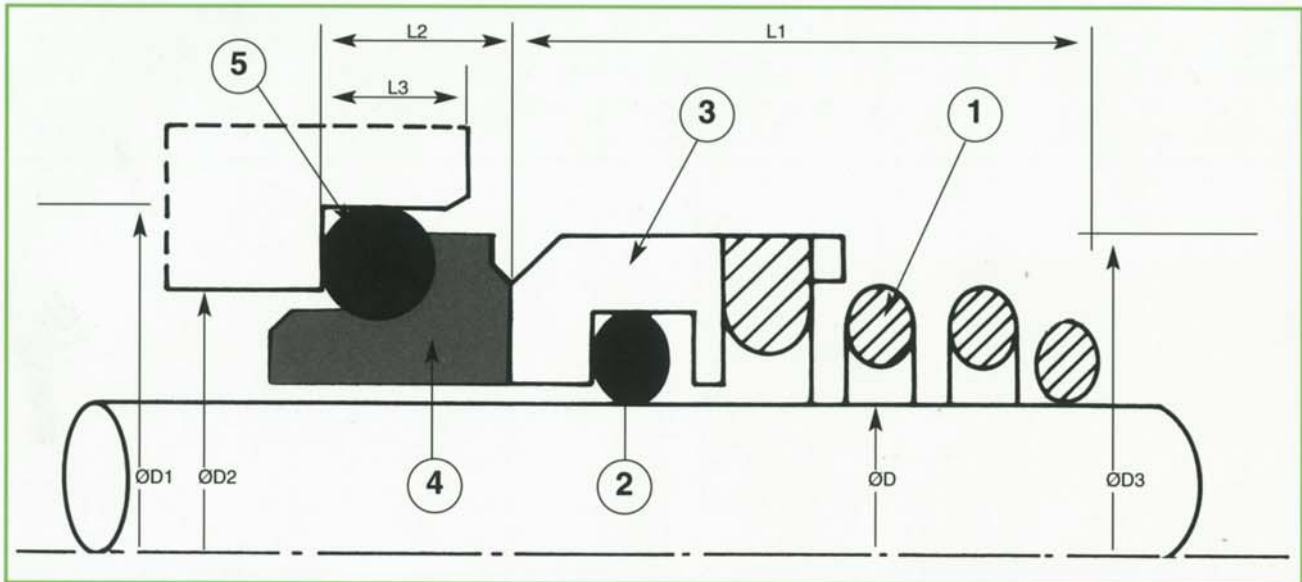
Materials

- Rotary Face (3) – 316 Stainless Steel
- Stationary Face (4) – Carbon
- Spring (1) – 316 Stainless Steel
- Elastomers (2, 5) – Nitrile, EP, Viton



OTHER MATERIALS AVAILABLE TO SPECIAL ORDER

SEAL TYPE SM3



Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm
10	0100	19.20	15.50	19.00	15.50	7.10	5.00
12	0120	21.60	17.50	21.00	15.50	7.60	5.00
14	0140	24.60	20.50	23.00	15.50	7.60	5.00
15	0150	24.60	20.50	24.00	15.50	8.60	5.00
16	0160	28.00	22.00	26.00	17.50	9.00	6.50
18	0180	30.00	24.00	29.00	18.50	10.00	6.50
19	0190	31.00	25.00	31.00	20.00	9.00	6.50
20	0200	35.00	29.50	31.00	20.00	9.50	6.50
22	0220	35.00	29.50	33.00	21.50	9.50	6.50
24	0240	38.00	32.00	35.00	23.00	9.50	6.50
25	0250	38.00	32.00	36.00	24.50	9.50	6.50
26	0260	40.00	34.00	37.00	24.50	10.00	6.50
28	0280	42.00	36.00	40.00	24.50	11.00	6.50
30	0300	45.00	39.20	43.00	24.50	11.00	6.50
32	0320	48.00	42.20	46.00	28.00	11.00	6.50
35	0350	52.00	46.20	49.00	28.00	11.50	6.50
38	0380	55.00	49.20	53.00	31.00	11.50	6.50
40	0400	58.00	52.20	56.00	34.00	11.50	6.50
42	0420	62.00	53.30	59.00	35.00	14.30	8.00
43	0430	63.00	54.30	59.00	35.00	14.30	8.00
45	0450	64.00	55.30	61.00	36.50	14.30	8.00
48	0480	68.40	59.70	64.00	42.00	14.30	8.00
50	0500	69.30	60.80	66.00	43.00	14.30	8.00
55	0550	75.40	66.50	71.00	47.00	15.30	8.00
58	0580	78.40	69.50	76.00	50.00	15.30	8.00
60	0600	80.40	71.50	78.00	51.00	15.30	8.00
65	0650	85.40	76.50	84.00	52.00	15.30	8.00
68	0680	91.50	82.70	88.00	53.00	16.00	8.00
70	0700	92.00	83.00	90.00	54.00	15.30	8.00
75	0750	99.00	92.20	98.00	55.00	15.30	8.00
80	0800	104.00	95.20	100.00	58.00	16.30	8.00