



sterling range

www.first4seals.com



single spring

mechanical seal range

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first4seals plc, mount street, bradford, west yorkshire. bd3 9sn united kingdom

Tel: +44 (0) 1274 720775 Fax: +44 (0) 1274 729022

email: seals@first4seals.com - web: www.first4seals.com

TYPE SM32N MECHANICAL SEALS

Type SM32N Seals are 'O' Ring mounted, Conical Spring seals with Long DIN stationaries. Available in a choice of face materials, they are suitable for a variety of general and high duty applications.



Benefits

- Robust – Due to simple construction
- Self adjusting – 'O' Ring slides along the shaft to allow for wear
- Long life – Face materials can be chosen to suit the application
- Non clogging – Due to open single spring design
- Simple fitting – Just push on to shaft

All metal parts in Stainless Steel as standard.

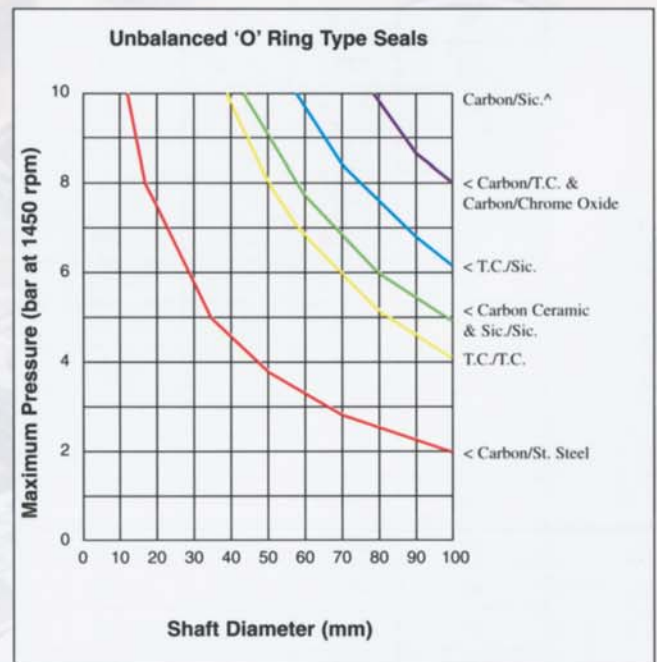
Service Capability

- 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

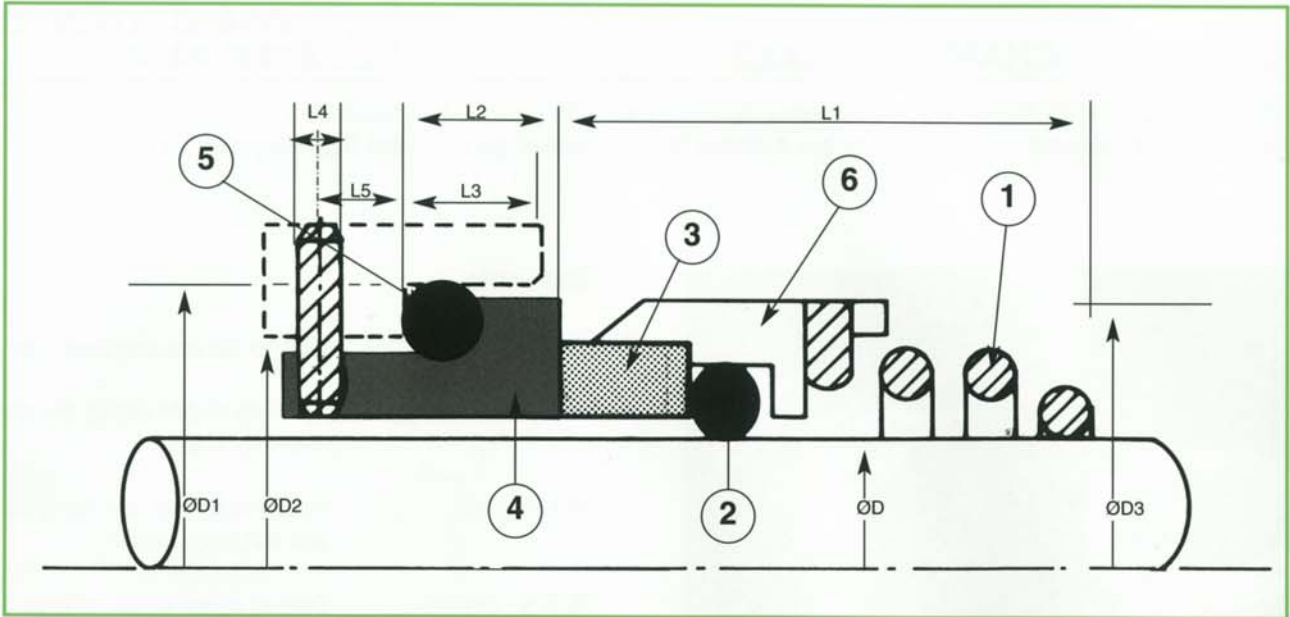


Materials

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

OTHER MATERIALS AVAILABLE TO SPECIAL ORDER

SEAL TYPE SM32N



Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm
10	0100	21.00	17.00	19.00	15.50	10.00	5.50	3.00	5.00
12	0120	23.00	19.00	21.00	16.00	10.00	5.50	3.00	5.00
14	0140	25.00	21.00	23.00	16.50	10.00	5.50	3.00	5.00
16	0160	27.00	23.00	26.00	18.00	10.00	5.50	3.00	5.00
18	0180	33.00	27.00	29.00	19.50	11.50	7.00	3.00	5.00
20	0200	35.00	29.00	31.00	22.00	11.50	7.00	3.00	5.00
22	0220	37.00	31.00	33.00	21.50	11.50	7.00	3.00	5.00
24	0240	39.00	33.00	35.00	23.50	11.50	7.00	3.00	5.00
25	0250	40.00	34.00	36.00	26.50	11.50	7.00	3.00	5.00
28	0280	43.00	37.00	40.00	26.50	11.50	7.00	3.00	5.00
30	0300	45.00	39.00	43.00	26.50	11.50	7.00	3.00	5.00
32	0320	48.00	42.00	46.00	28.50	11.50	7.00	3.00	5.00
35	0350	50.00	44.00	49.00	28.50	11.50	7.00	3.00	5.00
38	0380	56.00	49.00	53.00	33.50	14.00	8.00	4.00	5.00
40	0400	58.00	51.00	56.00	36.00	14.00	8.00	4.00	5.00
43	0430	61.00	54.00	59.00	38.50	14.00	8.00	4.00	5.00
45	0450	63.00	56.00	61.00	39.50	14.00	8.00	4.00	5.00
48	0480	66.00	59.00	64.00	46.00	14.00	8.00	4.00	5.00
50	0500	70.00	62.00	66.00	45.00	15.00	8.50	4.00	5.00
53	0530	73.00	65.00	69.00	47.00	15.00	8.50	4.00	5.00
55	0550	75.00	67.00	71.00	49.00	15.00	8.50	4.00	5.00
58	0580	78.00	70.00	76.00	55.00	15.00	8.50	4.00	5.00
60	0600	80.00	72.00	78.00	55.00	15.00	8.50	4.00	5.00
65	0650	85.00	77.00	84.00	55.00	15.00	8.50	4.00	5.00
68	0680	90.00	81.00	88.00	55.00	18.00	9.50	4.00	5.00
70	0700	92.00	83.00	90.00	57.00	18.00	9.50	4.00	5.00
75	0750	97.00	88.00	98.00	62.00	18.00	9.50	4.00	5.00
80	0800	105.00	95.00	100.00	61.80	18.20	10.00	4.00	5.00