



**sterling range**

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**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 SU3 MECHANICAL SEALS

Type SU3 seals are part of a family of 'O' Ring mounted mechanical seals and are interchangeable with many other makes. The seal faces are replaceable and the stationary face has DIN24960 (I.S.O.3069), mounting dimensions.



### Benefits

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

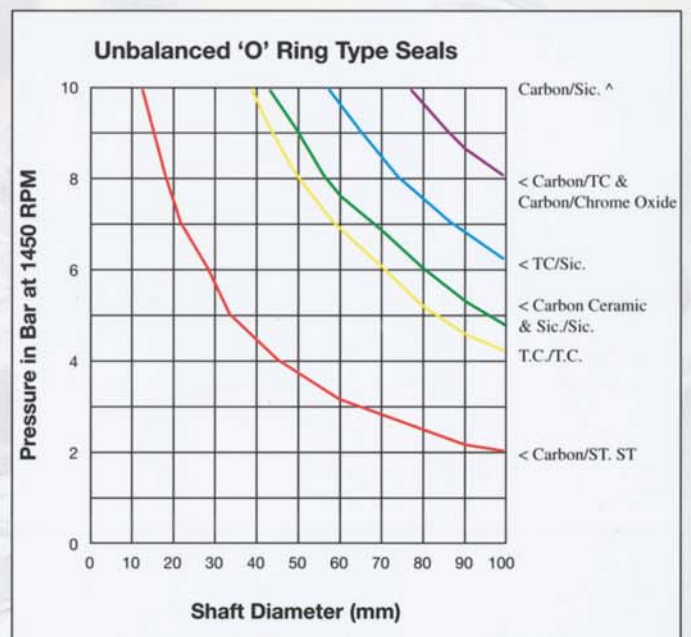
### Service Capability

- Maximum Speed – 20 m/sec\*
- Maximum Pressure – 10 bar\*
- Temperature – -40° 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

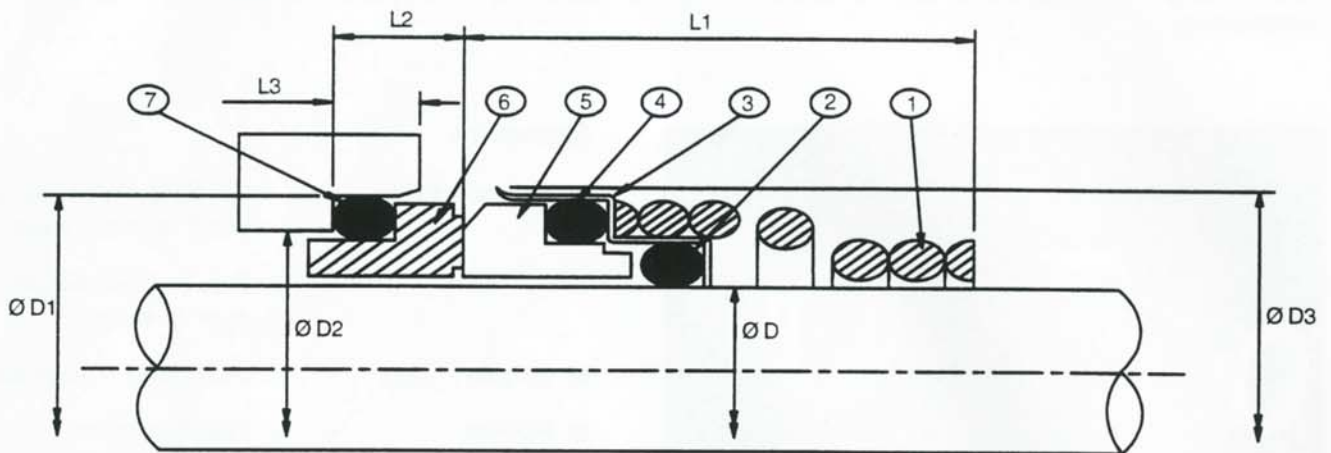


### Materials

- Rotary Face (5) – Ceramic, reaction bonded Silicon Carbide, Cobalt or Nickel bonded Tungsten Carbide
- Stationary Face (6) – Carbon reaction bonded Silicon Carbide, Cobalt or Nickel bonded Tungsten Carbide
- Spring (1) – 304 Stainless Steel
- Metal Parts (3) – 316 Stainless Steel
- Elastomers (2, 4, 7) – Nitrile, Viton, E.P., F.E.P. Encapsulated

**OTHER MATERIALS AVAILABLE TO SPECIAL ORDER**

## SEAL TYPE SU3



$\varnothing D$ METRIC	SIZE CODE	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm
10	0100	21.0	17.0	19.5	15.0	7.0	5.5
12	0120	23.0	19.0	22.0	18.0	7.0	5.5
14	0140	25.0	21.0	24.0	22.0	7.0	5.5
16	0160	27.0	23.0	26.0	23.0	7.0	5.5
18	0180	33.0	27.0	32.0	24.0	10.0	7.0
20	0200	35.0	29.0	32.7	25.0	10.0	7.0
22	0220	37.0	31.0	36.0	25.0	10.0	7.0
24	0240	39.0	33.0	37.4	27.0	10.0	7.0
25	0250	40.0	34.0	38.0	27.0	10.0	7.0
28	0280	43.0	37.0	42.0	29.0	10.0	7.0
30	0300	45.0	39.0	44.0	30.0	10.0	7.0
32	0320	48.0	42.0	45.5	30.0	10.0	7.0
33	0330	48.0	42.0	46.5	39.0	10.0	7.0
35	0350	50.0	44.0	49.0	39.0	10.0	7.0
38	0380	56.0	49.0	56.0	42.0	13.0	8.0
40	0400	58.0	51.0	58.0	42.0	13.0	8.0