



**sterling range**

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**single spring**

mechanical seal range

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## TYPE 540 DIN, 542 DIN L1K & 543 DIN L1N MECHANICAL SEALS

Types 540, 542 and 543 are Universal compact DIN seals with a choice of working lengths to suit common International standards.

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

The seals are supplied with either 'O' Ring mounted or Cup mounted DIN stationaries.



### 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.

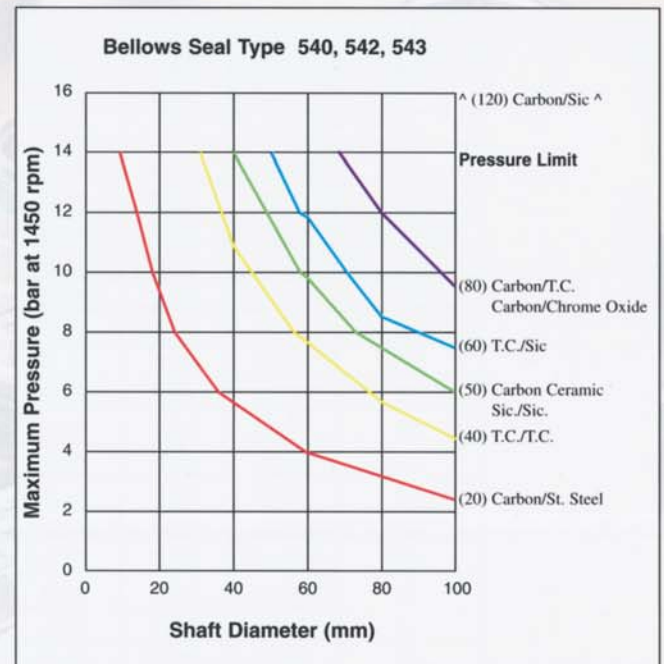
### Service Capability

- 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

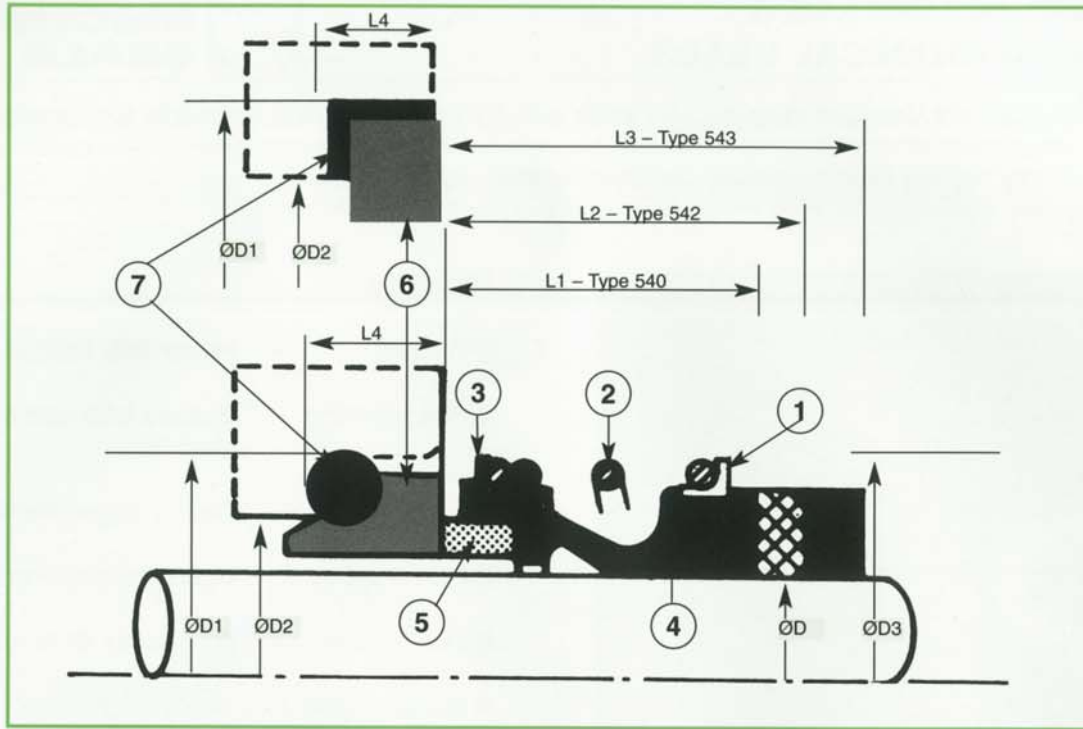


### Materials

- 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 TYPES 540, 542 & 543



Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm
10	0100	21.0	17.0	20.0	13.4	25.9	33.4	6.6
12	0120	23.0	19.0	22.0	14.4	25.9	33.4	6.6
14	0140	25.0	21.0	24.0	14.4	28.4	33.4	6.6
15	0150	27.0	23.0	25.0	14.4	28.4	33.4	6.6
16	0160	27.0	23.0	26.0	14.4	28.4	33.4	6.6
18	0180	33.0	27.0	32.0	18.5	30.0	37.5	7.5
20	0200	35.0	29.0	34.0	18.5	30.0	37.5	7.5
22	0220	37.0	31.0	36.0	18.5	30.0	37.5	7.5
24	0240	39.0	33.0	38.0	18.5	32.5	42.5	7.5
25	0250	40.0	34.0	39.0	18.5	32.5	42.5	7.5
28	0280	43.0	37.0	42.0	24.5	35.0	42.5	7.5
30	0300	45.0	39.0	44.0	25.5	35.0	42.5	7.5
32	0320	48.0	42.0	46.0	25.5	35.0	47.5	7.5
33	0330	48.0	42.0	47.0	25.5	35.0	47.5	7.5
35	0350	50.0	44.0	49.0	26.5	35.0	47.5	7.5
38	0380	56.0	49.0	54.0	29.0	36.0	46.0	9.0
40	0400	58.0	51.0	56.0	29.0	36.0	46.0	9.0
43	0430	61.0	54.0	59.0	29.0	36.0	51.0	9.0
45	0450	63.0	56.0	61.0	29.0	36.0	51.0	9.0
48	0480	66.0	59.0	64.0	31.0	36.0	51.0	9.0
50	0500	70.0	62.0	66.0	30.5	38.0	50.5	9.5
53	0530	73.0	65.0	69.0	29.0	36.5	59.0	11.0
55	0550	75.0	67.0	71.0	29.0	36.5	59.0	11.0
58	0580	78.0	70.0	78.0	32.0	41.5	59.0	11.0
60	0600	80.0	72.0	80.0	34.0	41.5	59.0	11.0
65	0650	85.0	77.0	85.0	34.0	41.5	69.0	11.0
68	0680	90.0	81.0	88.0	33.7	41.2	68.7	11.3
70	0700	92.0	83.0	90.0	33.7	48.7	68.7	11.3
75	0750	97.0	88.0	99.0	40.7	48.7	68.7	11.3
80	0800	105.0	95.0	104.0	40.5	48.0	78.0	12.0
85	0850	110.0	100.0	109.0	38.5	46.0	76.0	14.0
90	0900	115.0	105.0	114.0	38.5	51.0	76.0	14.0
95	0950	120.0	110.0	119.0	38.5	51.0	76.0	14.0
100	1000	125.0	115.0	124.0	38.5	51.0	76.0	14.0