



sterling range

www.first4seals.com



single spring

mechanical seal range

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TYPE BT MECHANICAL SEALS

Type BT seals have compact, enclosed rubber bellows with a cup mounted stationary seat. A very short working length makes the Type BT seal ideal for equipment where space is restricted.



Benefits

- Robust – Due to compact construction
- Self adjusting – Bellows take care of wear and shaft float
- Simple fitting – Just push on to shaft
- Non fretting – No moving 'O' Rings
- Bi-Directional – Due to bellows drive

All metal parts in Stainless Steel as standard.

Service Capability

- Maximum Speed – 10m/sec*
- Maximum Pressure – 6 bar*
- Temperature – -20°C to +200°C
- Media – Dependant on materials

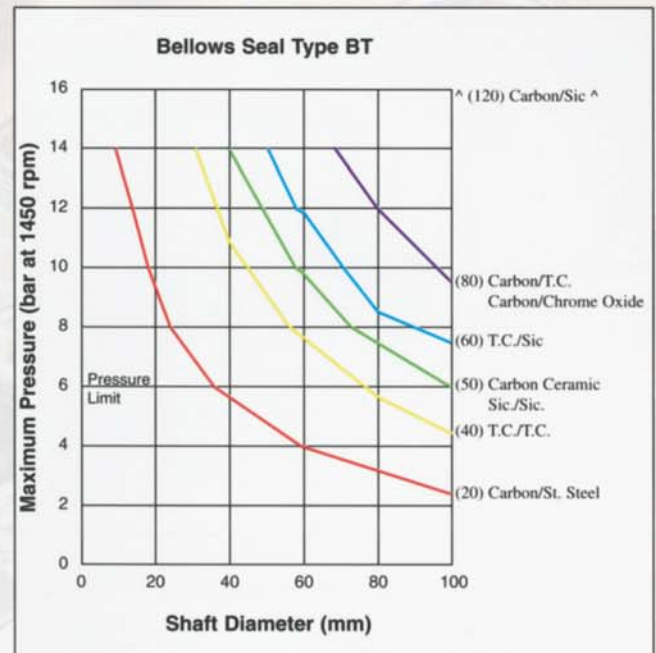
* See P.V. Curves for maximum speed/pressure combination

NOTE

P.V. Curves for water at 20°C

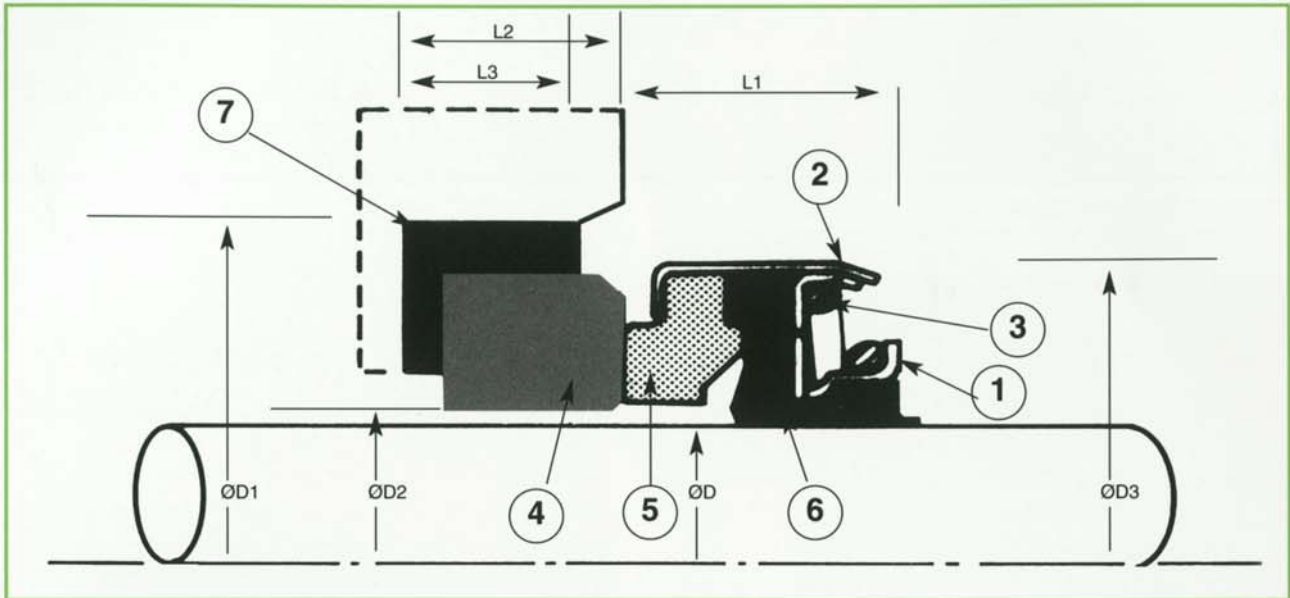
Materials

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



OTHER MATERIALS AVAILABLE TO SPECIAL ORDER

SEAL TYPE BT



Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm
8	0080	26	11	24	11	8	6
10	0100	26	11	24	11	8	6
11	0110	26	13	24	11	8	6
12	0120	26	13	24	11	8	6
12	0120.B	26	13	24	13	8	6
12	0120.C	35	16	32	13	8	6
13	0130	26	14	24	13	8	6
14	0140	35	16	32	13	8	6
15	0150	38	18	35	13	8	6
16	0160	38	18	35	13	8	6
16	0160.B	42	21	39	13	8	6
17	0170	42	21	39	13	8	6
18	0180	42	21	39	13	8	6
19	0190	42	21	39	13	8	6
20	0200	42	21	39	13	8	6
20	0200.B	45	23	42	13	10	8
22	0220	45	23	42	13	10	8
23	0230	50	27	47	14	10	8
24	0240	50	27	47	14	10	8
25	0250	50	27	47	14	10	8
28	0280	57	34	54	15	10	8
30	0300	57	34	54	15	10	8
32	0320	57	34	54	15	10	8
35	0350	63	37	60	16	10	8
38	0380	68	42	65	17	12	9
40	0400	68	42	65	17	12	9
45	0450	73	47	70	20	12	9
50	0500	88	52	85	20	15	12
60	0600	110	67	110	30	15	12
65	0650	110	67	110	30	15	12
70	0700	110	72	105	32	15	12