



**sterling range**

[www.first4seals.com](http://www.first4seals.com)



**single spring**

**mechanical seal range**

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## TYPE 151A/152A MECHANICAL SEALS

Type 151A/152A DIN Profile Seals have a working length to suit a common International standard and the same working length and the same stationary seat as Type 212A/211A.

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



### 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.

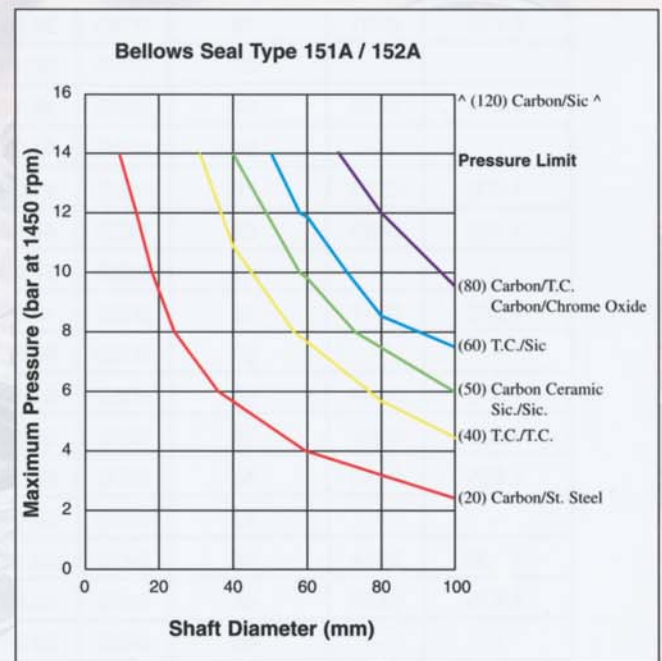
### Service Capability

- 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

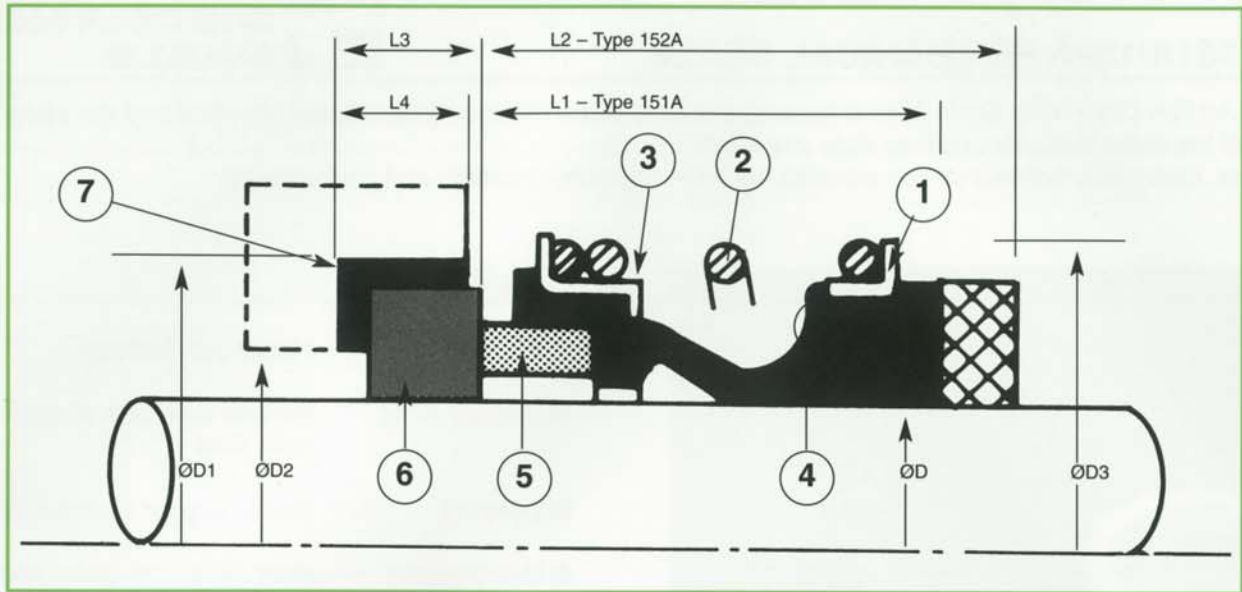


### Materials

- 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 151A/152A



Inch Shaft Size D	Size Code	Metric Shaft Size D	Size Code	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm
0.500	0127	12	0120	25.40	19.05	22.0	20.62	31.75	7.93	6.35
-	-	14	0140	31.75	23.80	24.0	22.22	34.93	10.28	8.71
0.625	0158	16	0160	31.75	23.80	26.0	22.22	34.93	10.28	8.71
0.750	0191	18	0180	34.93	26.98	32.0	22.22	34.93	10.28	8.71
-	-	20	0200	38.10	30.15	34.0	23.80	36.50	10.28	8.71
0.875	0222	22	0220	38.10	30.15	36.0	23.80	36.50	10.28	8.71
-	-	24	0240	41.28	33.32	38.0	25.40	41.28	11.10	9.53
1.000	0254	25	0250	41.28	33.32	39.0	25.40	41.28	11.10	9.53
1.125	0286	28	0280	44.44	36.50	42.0	26.97	42.85	11.10	9.53
-	-	30	0300	47.63	37.90	44.0	26.97	42.85	11.10	9.53
1.250	0317	32	0320	47.63	37.90	46.0	26.97	42.85	11.10	9.53
-	-	33	0330	50.80	42.84	47.0	28.58	42.85	11.10	9.53
1.375	0349	35	0350	50.80	42.84	49.0	28.58	42.85	11.10	9.53
1.500	0381	38	0380	53.98	46.05	54.0	28.58	42.85	11.10	9.53
1.625	0412	40	0400	60.33	50.80	56.0	34.93	50.80	12.70	11.10
-	-	43	0430	63.50	53.97	59.0	34.93	50.80	12.70	11.10
1.750	0444	44	0440	63.50	53.97	59.0	34.93	50.80	12.70	11.10
1.875	0476	45	0450	66.68	57.15	61.0	38.10	53.98	12.70	11.10
-	-	48	0480	69.85	60.32	64.0	38.10	53.98	12.70	11.10
2.000	0508	50	0500	69.85	60.32	66.0	38.10	53.98	12.70	11.10
2.125	0539	53	0530	76.20	60.32	69.0	42.88	60.32	14.28	12.70
2.250	0571	55	0550	79.38	61.90	71.0	42.88	60.32	14.28	12.70
-	-	58	0580	82.55	67.39	78.0	46.02	63.50	14.28	12.70
2.375	0603	60	0600	82.55	67.39	80.0	46.02	63.50	14.28	12.70
2.500	0635	63	0630	85.73	68.25	83.0	46.02	63.50	14.28	12.70
2.625	0666	65	0650	85.73	71.24	85.0	49.20	69.85	15.90	14.50
-	-	68	0680	88.90	74.60	88.0	49.20	69.85	15.90	14.50
2.750	0698	70	0700	88.90	74.60	90.0	49.20	69.85	15.90	14.50
2.875	0730	73	0730	95.25	77.77	96.0	52.37	73.03	15.90	14.50
3.000	0762	75	0750	98.43	80.95	99.0	52.37	73.03	15.90	14.50