

Characteristics

- Balanced/Unbalanced Mechanical Seal.
- Independent on direction of rotation.



Operating Limits

p: 22/40 Bar ; **V:** 15 m/s

t: -40 / +250°C

*Temperature is based by material selection.

*Operating limits are based on PV factor.

Description

Standard multi-spring, grub screwed seal, available in a wide variety of face and secondary seal, materials and designs.

Frequently fitted with the FT clamped stationary.



Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	Seat Size Fitted (MS9B/BS Only)	D3		STK MS09/S L1		STK MS09B/BS L1	
				Imperial	Metric	Imperial	Metric	Imperial	Metric
0.625		0158	0127	1.209	30.70	0.750	19.05	1.062	26.97
0.750		0191	0158	1.366	34.70	0.875	22.23	1.187	30.14
	20	0200	N/a	1.406	35.70	0.937	23.81	N/a	N/a
	22	0220	N/a	1.457	37.00	0.937	23.81	N/a	N/a
0.875		0222	0191	1.496	38.00	0.937	23.81	1.250	31.75
	24	0240	N/a	1.563	39.70	1.000	25.40	N/a	N/a
	25	0250	N/a	1.614	41.00	1.000	25.40	N/a	N/a
1.000		0254	0222	1.614	41.00	1.000	25.40	1.313	33.34
	28	0280	N/a	1.752	44.50	1.059	26.90	N/a	N/a
1.125		0286	0254	1.732	44.00	1.059	26.90	1.375	34.93
	30	0300	N/a	1.870	47.50	1.059	26.90	N/a	N/a
1.250		0317	0286	1.929	49.00	1.059	26.90	1.375	34.93
	32	0320	N/a	1.996	50.70	1.125	28.58	N/a	N/a
1.375		0349	0286	2.047	52.00	1.125	28.58	1.437	36.50
	35	0350	N/a	2.047	52.00	1.125	28.58	N/a	N/a
	38	0380	N/a	2.189	55.60	1.125	28.58	N/a	N/a
1.500		0381	0317	2.189	55.60	1.125	28.58	1.437	36.50
	40	0400	N/a	2.358	59.90	1.375	34.93	N/a	N/a
1.625		0412	0349	2.402	61.00	1.375	34.93	1.750	44.45
1.750		0444	0381	2.531	64.30	1.375	34.93	1.750	44.45
	45	0450	N/a	2.555	64.90	1.375	34.93	N/a	N/a
1.875		0476	0412	2.563	65.10	1.375	34.93	1.750	44.45
	48	0480	N/a	2.563	65.10	1.375	34.93	N/a	N/a
	50	0500	N/a	2.751	69.90	1.375	34.93	N/a	N/a
2.000		0508	0444	2.783	70.70	1.375	34.93	1.750	44.45
2.125		0539	0476	3.031	77.00	1.687	42.86	2.063	52.39
	55	0550	N/a	3.078	78.20	1.687	42.86	N/a	N/a
2.250		0571	0508	3.154	80.10	1.687	42.86	2.063	52.39
	60	0600	N/a	3.272	83.10	1.687	42.86	N/a	N/a
2.375		0603	0539	3.272	83.10	1.687	42.86	2.063	52.39
2.500		0635	0571	3.409	86.60	1.687	42.86	2.063	52.39
	65	0650	N/a	3.461	87.90	1.687	42.86	N/a	N/a
2.625		0666	0603	3.528	89.60	1.687	42.86	2.063	52.39
2.750		0698	0635	3.654	92.80	1.687	42.86	2.063	52.39
	70	0700	N/a	3.654	92.80	1.687	42.86	N/a	N/a
2.875		0730	0666	3.776	95.90	1.687	42.86	2.063	52.39
	75	0750	N/a	3.787	96.20	1.687	42.86	N/a	N/a
3.000		0762	0698	3.846	97.70	1.687	42.86	2.063	52.39
3.125		0794	0730	3.965	100.70	1.687	42.86	2.063	52.39
	80	0800	N/a	3.984	101.20	1.687	42.86	N/a	N/a
3.250		0825	0762	4.154	105.50	1.687	42.86	2.063	52.39
	85	0850	N/a	4.240	107.70	1.687	42.86	N/a	N/a
3.375		0857	0794	4.280	108.70	1.687	42.86	2.063	52.39
3.500		0889	0825	4.409	112.00	1.687	42.86	2.063	52.39
	90	0900	N/a	4.441	112.80	1.687	42.86	N/a	N/a
3.625		0921	0857	4.528	115.00	1.687	42.86	2.063	52.39
	95	0950	N/a	4.634	117.70	1.687	42.86	N/a	N/a
3.750		0953	0889	4.654	118.20	1.687	42.86	2.063	52.39
3.875		0984	0921	4.776	121.30	1.687	42.86	2.063	52.39
	100	1000	N/a	4.831	122.70	1.687	42.86	N/a	N/a
4.000		1016	0953	4.906	124.60	1.687	42.86	2.063	52.39