

Oysterseal® - External Pressure:

YE

Seal dimension						Groove dimensions				Load	SB
AS		RS		MT	DC	DG	GD	WG	R		
Axial section	Tolerance on AS (cross section)	Radial section	Material code	Material thickness	Diame-trical clearance	Diameter Groove (range)	Groove Depth (min/max)	Width Groove (min)	Radius (max)	N/mm Circum-ference *	Spring Back in %
2,39	±0,05	2,63	M	0,25	0,14	30-400	1,91-2,01	3,10	0,50	12	80
3,18	±0,08	3,50	M	0,38	0,19	45-600	2,54-2,67	4,10	0,75	21	80
3,96	±0,08	4,36	M	0,41	0,24	65-750	3,18-3,30	5,10	1,20	19	80
4,78	±0,10	5,26	M	0,51	0,29	70-900	3,84-3,99	6,20	1,20	25	80
5,60	±0,10	6,16	M	0,51	0,34	80-1000	4,48-4,70	7,30	1,20	27	80
6,35	±0,10	6,99	M	0,64	0,38	120-1800	5,08-5,28	8,30	1,50	30	80
9,53	±0,10	10,49	M	0,97	0,57	300-3000	7,62-8,03	12,40	1,50	45	80
12,70	±0,13	13,98	M	1,27	0,76	600-7600	10,16-10,67	16,50	1,50	57	80

* Load and springback figures are based on Inconel 718 in the heat treated condition. Actual load figures and to a lesser extend springback can differ hugely from the given data. Tolerances on groove depth, plating, diametrical clearance and differences in material batches can create differences of up to 100% for the smaller cross sections, down to 50% for the bigger cross section.

