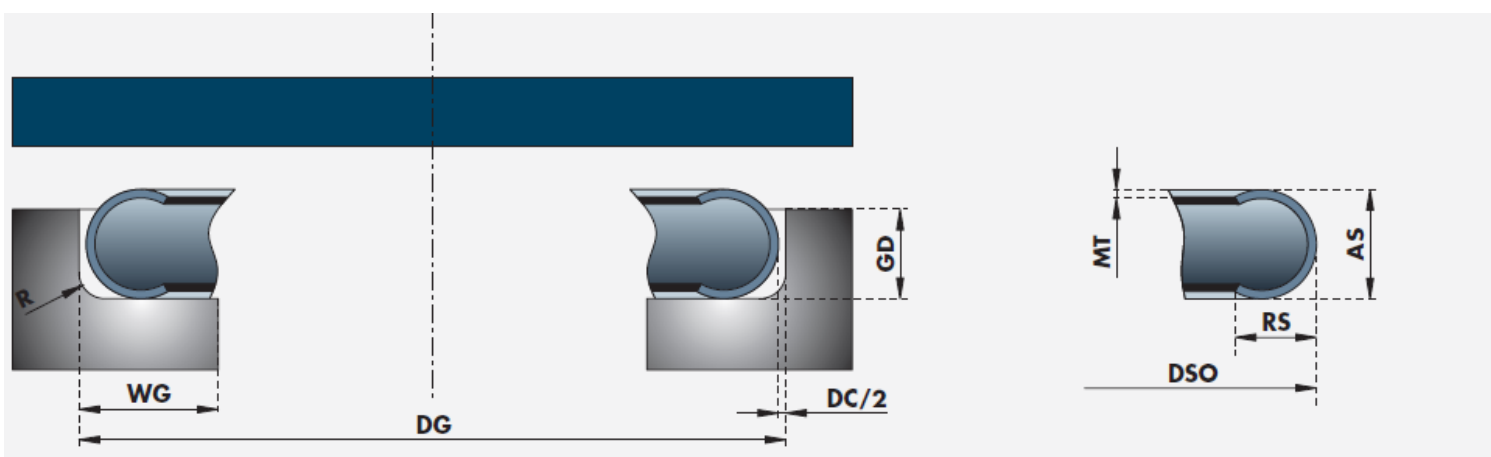


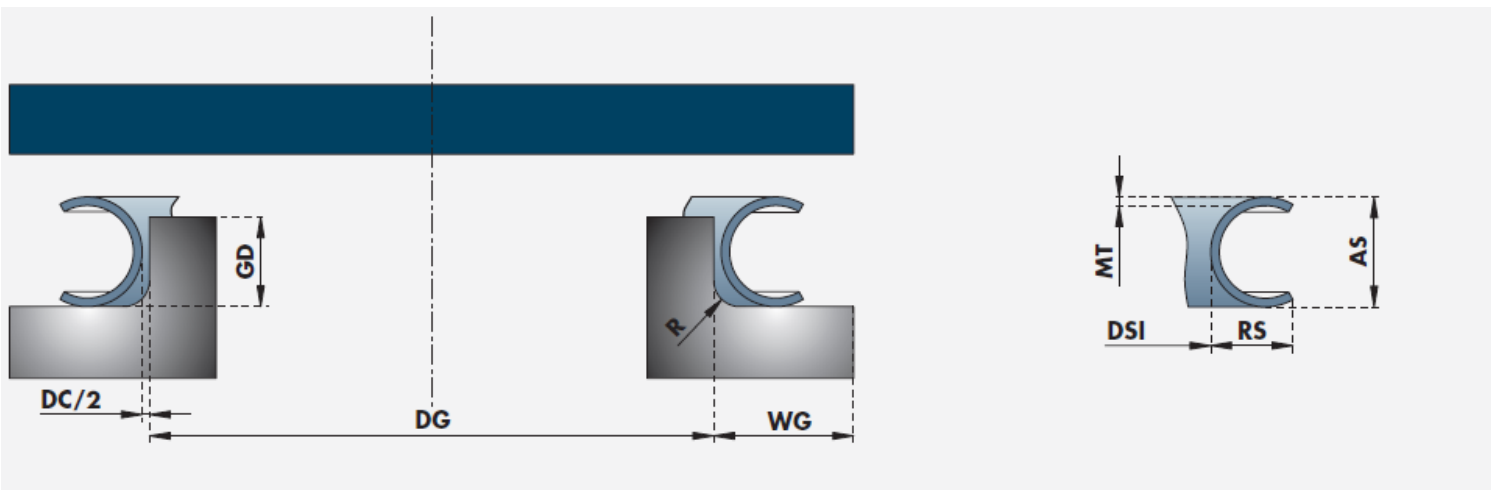
Seal dimension						Groove dimensions				Load	SB
AS		RS		MT	DC	DG	GD	WG	R		
Axial section	Tolerance on AS (cross section)	Radial section	Material code	Material thickness	Diametrical clearance	Diameter Groove (range)	Groove Depth (min/max)	Width Groove (min)	Radius (max)	N/mm Circumference *	Spring Back in mm
0,79	+/-0,05	0,71	M	0,12	0,05	6 - 25	0,64-0,69	1,02	0,25	30	0,04
			H	0,18						50	0,03
1,19	+/-0,05	0,96	M	0,12	0,07	8 - 50	0,94-1,02	1,40	0,30	20	0,05
			H	0,20						35	0,04
1,57	+/-0,05	1,26	M	0,15	0,10	10-200	1,27-1,37	1,91	0,38	10	0,08
			H	0,25						40	0,06
2,39	+/-0,05	1,91	M	0,25	0,15	13-400	1,91-2,01	2,67	0,51	35	0,10
			H	0,38						65	0,08
2,79	+/-0,05	2,25	M	0,38	0,15	20-500	2.23-2,31	3,10	0,55	30	0,12
3,18	+/-0,08	2,54	M	0,38	0,20	30-600	2,54-2,67	3,43	0,76	45	0,15
			H	0,51						100	0,13
3,96	+/-0,08	3,17	M	0,41	0,25	45-750	3,18-3,30	4,32	1,27	40	0,20
			H	0,61						110	0,17
4,78	+/-0,10	3,82	M	0,51	0,30	75-900	3,84-3,99	5,08	1,27	65	0,22
			H	0,76						150	0,18
5,60	+/-0,10	4,50	M	0,51	0,30	75-1000	4,48-4,65	5,90	1,27	55	0,22
6,35	+/-0,10	5,08	M	0,64	0,40	100-1200	5,08-5,28	6,60	1,52	75	0,30
			H	0,97						160	0,27
7,90	+/-0,10	6,32	M	0,64	0,50	100-1500	6,32-6,58	8,22	1,52	65	0,30
9,53	+/-0,10	7,62	M	0,97	0,60	300-2000	7,62-8,03	9,65	1,52	120	0,40
			H	1,27						250	0,32
12,70	+/-0,13	10,16	M	1,27	0,80	600-3000	10,16-10,67	12,70	1,52	150	0,55
			H	1,65						250	0,48

\* Load and spring back figures are based on Inconel X750 in the age hardened condition. Actual load figures and to a lesser extent spring back 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.



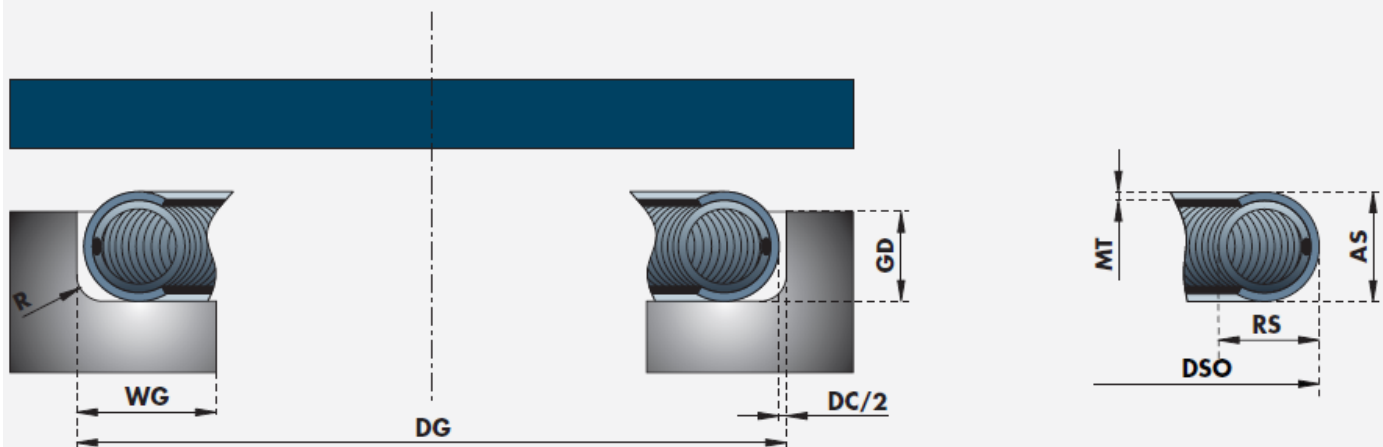
Seal dimension						Groove dimensions				Load	SB
AS		RS		MT	DC	DG	GD	WG	R		
Axial section	Tolerance on AS (cross section)	Radial section	Material code	Material thickness	Diametrical clearance	Diameter Groove (range)	Groove Depth (min/max)	Width Groove (min)	Radius (max)	N/mm Circumference *	Spring Back in mm
0,79	+/-0,05	0,71	M	0,12	0,05	6 - 25	0,64-0,69	1,02	0,25	30	0,04
			H	0,18						50	0,03
1,19	+/-0,05	0,96	M	0,12	0,07	8 - 50	0,94-1,02	1,40	0,30	20	0,05
			H	0,20						35	0,04
1,57	+/-0,05	1,26	M	0,15	0,10	10-200	1,27-1,37	1,91	0,38	10	0,08
			H	0,25						40	0,06
2,39	+/-0,05	1,91	M	0,25	0,15	13-400	1,91-2,01	2,67	0,51	35	0,10
			H	0,38						65	0,08
2,79	+/-0,05	2,25	M	0,38	0,15	20-500	2.23-2,31	3,10	0,55	30	0,12
3,18	+/-0,08	2,54	M	0,38	0,20	30-600	2,54-2,67	3,43	0,76	45	0,15
			H	0,51						100	0,13
3,96	+/-0,08	3,17	M	0,41	0,25	45-750	3,18-3,30	4,32	1,27	40	0,20
			H	0,61						110	0,17
4,78	+/-0,10	3,82	M	0,51	0,30	75-900	3,84-3,99	5,08	1,27	65	0,22
			H	0,76						150	0,18
5,60	+/-0,10	4,50	M	0,51	0,30	75-1000	4,48-4,65	5,90	1,27	55	0,22
6,35	+/-0,10	5,08	M	0,64	0,40	100-1200	5,08-5,28	6,60	1,52	75	0,30
			H	0,97						160	0,27
7,90	+/-0,10	6,32	M	0,64	0,50	100-1500	6,32-6,58	8,22	1,52	65	0,30
9,53	+/-0,10	7,62	M	0,97	0,60	300-2000	7,62-8,03	9,65	1,52	120	0,40
			H	1,27						250	0,32
12,70	+/-0,13	10,16	M	1,27	0,80	600-3000	10,16-10,67	12,70	1,52	150	0,55
			H	1,65						250	0,48

\* Load and spring back figures are based on Inconel X750 in the age hardened condition. Actual load figures and to a lesser extent spring back 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.



Seal dimension						Groove dimensions				Load	SB
AS		RS		MT	DC	DG	GD	WG	R	M-Spring	
Axial section	Tolerance on AS (cross section)	Radial section	Material code Spring Load	Material thickness Jacket	Diame-trical clearance	Diameter Groove (range)	Groove Depth (min/max)	Width Groove (min)	Radius (max)	N/mm Circum-ference *	Spring Back in mm
1,57	+/-0,05	1,52	M/H	0,15	0,15	20-280	1,27-1,32	2,05	0,35	200	0,10
2,00	+/-0,05	1,85	M/H	0,25	0,20	20-300	1,60-1,68	2,50	0,40	180	0,12
2,39	+/-0,05	2,24	M/H	0,25	0,20	25-400	1,91-2,01	3,10	0,50	160	0,15
2,79	+/-0,05	2,64	M/H	0,38	0,25	25-500	2,23-2,34	3,60	0,50	200	0,18
3,18	+/-0,08	2,90	M/H	0,38	0,30	25-600	2,54-2,67	4,10	0,75	160	0,20
3,96	+/-0,08	3,60	M/H	0,41	0,41	32-750	3,18-3,30	5,10	1,20	210	0,25
4,78	+/-0,10	4,49	M/H	0,51	0,46	75-900	3,84-3,99	6,20	1,20	250	0,28
5,60	+/-0,10	5,19	M/H	0,51	0,48	75-1000	4,48-4,70	7,30	1,20	200	0,30
6,35	+/-0,10	5,81	M/H	0,64	0,51	100-1800	5,08-5,28	8,30	1,50	340	0,36
7,90	+/-0,10	7,25	M/H	0,64	0,70	150-3000	6,32-6,58	10,40	1,50	300	0,40
9,53	+/-0,10	8,66	M/H	0,97	0,75	300-3000	7,62-8,03	12,40	1,50	430	0,43
12,70	+/-0,13	11,53	M/H	1,27	1,00	600-7600	10,16-10,67	16,50	1,50	500	0,56

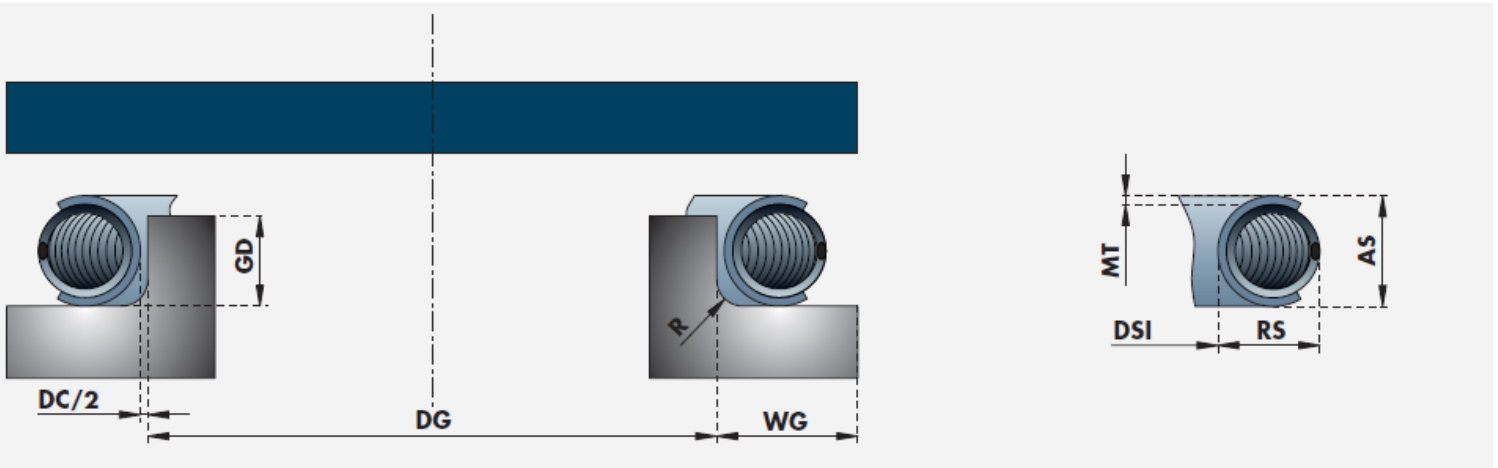
\* Load and spring back figures are based on Inconel /Inconel Jacket and spring. Actual load figures and to a lesser extend spring back can differ hugely from the given data. Tolerances on groove depth, plating, diametrical clearance and differences in material batches can create differences of up to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



Seal dimension						Groove dimensions				Load	SB
AS		RS		MT	DC	DG	GD	WG	R	M-Spring	
Axial section	Tolerance on AS (cross section)	Radial section	Material code Spring Load	Material thickness Jacket	Diame-trical clearance	Diameter Groove (range)	Groove Depth (min/max)	Width Groove (min)	Radius (max)	N/mm Circum-ference *	Spring Back in mm
1,57	+/-0,05	1,52	M/H	0,15	0,15	20-280	1,27-1,32	2,05	0,35	200	0,10
2,00	+/-0,05	1,85	M/H	0,25	0,20	20-300	1,60-1,68	2,50	0,40	180	0,12
2,39	+/-0,05	2,24	M/H	0,25	0,20	25-400	1,91-2,01	3,10	0,50	160	0,15
2,79	+/-0,05	2,64	M/H	0,38	0,25	25-500	2,23-2,34	3,60	0,50	200	0,18
3,18	+/-0,08	2,90	M/H	0,38	0,30	25-600	2,54-2,67	4,10	0,75	160	0,20
3,96	+/-0,08	3,60	M/H	0,41	0,41	32-750	3,18-3,30	5,10	1,20	210	0,25
4,78	+/-0,10	4,49	M/H	0,51	0,46	75-900	3,84-3,99	6,20	1,20	250	0,28
5,60	+/-0,10	5,19	M/H	0,51	0,48	75-1000	4,48-4,70	7,30	1,20	200	0,30
6,35	+/-0,10	5,81	M/H	0,64	0,51	100-1800	5,08-5,28	8,30	1,50	340	0,36
7,90	+/-0,10	7,25	M/H	0,64	0,70	150-3000	6,32-6,58	10,40	1,50	300	0,40
9,53	+/-0,10	8,66	M/H	0,97	0,75	300-3000	7,62-8,03	12,40	1,50	430	0,43
12,70	+/-0,13	11,53	M/H	1,27	1,00	600-7600	10,16-10,67	16,50	1,50	500	0,56

\* Load and spring back figures are based on Inconel /Inconel Jacket and spring. Actual load figures and to a lesser extend spring back 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.

Load figures only valid for "M" (medium duty) spring



Groove Dimensions							Seal dimensions					
	BD		SD		WG	R		RS	MT	DSO	DSI	
Bore Diameter (range)	Bore Diameter	Tol. on BD	Shaft/Rod Diameter	Tol. on SD	Width Groove (min)	Radius (max)	Material code	Radial Section	Material	Diameter Seal Outside	Diameter Seal Inside	Tol. on DSO and DSI
12,70-38,00	SD+3.12	+0,03	BD -3.12	-0,03	1,3	0,38	1.57M	1,64	0,15	BD +0.08	DSO -3.28	+/- 0.03
38,01-45,00	SD+3.07	+0,03	BD -3.07	-0,03	1,3	0,38	1.57M	1,64	0,15	BD +0.10	DSO -3.28	+/- 0.03
30,00-38,00	SD+4.70	+0,03	BD -4.70	-0,03	1,98	0,51	2.39M	2,42	0,25	BD +0.08	DSO -4.85	+/- 0.03
38,01-85,00	SD+4.65	+0,03	BD -4.65	-0,03	1,98	0,51	2.39M	2,42	0,25	BD +0.10	DSO -4.85	+/- 0.03
50,00-85,00	SD+6.25	+0,03	BD -6.25	-0,03	2,64	0,76	3.18M	3,22	0,38	BD +0.10	DSO -6.45	+/- 0.03
85,01-150,00	SD+6.15	+0,05	BD -6.15	-0,05	2,64	0,76	3.18M	3,22	0,38	BD +0.15	DSO -6.45	+/- 0.05
150,01-200,00	SD+6.05	+0,05	BD -6.05	-0,05	2,64	0,76	3.18M	3,22	0,38	BD +0.20	DSO -6.45	+/- 0.05
85,00-150,00	SD+7.72	+0,05	BD -7.72	-0,05	3,28	1,27	3.96M	4,01	0,38	BD +0.15	DSO -8.03	+/- 0.05
150,01-250,00	SD+7.62	+0,05	BD -7.62	-0,05	3,28	1,27	3.96M	4,01	0,38	BD +0.20	DSO -8.03	+/- 0.05
100,00-150,00	SD+9.32	+0,05	BD -9.32	-0,05	3,96	1,27	4.78M	4,81	0,51	BD +0.15	DSO -9.63	+/- 0.05
150,01-300,00	SD+9.22	+0,05	BD -9.22	-0,05	3,96	1,27	4.78M	4,81	0,51	BD +0.20	DSO -9.63	+/- 0.05
150,00-300,00	SD+12.40	+0,05	BD -12.40	-0,05	5,28	1,52	6.35M	6,4	0,64	BD +0.20	DSO -12.80	+/- 0.05

Bore/Shaft concentricity: for bore < 85 mm; 0,015 mm. For bore >85 mm; 0,03 mm.

Leading edge, shaft and bore side required.

