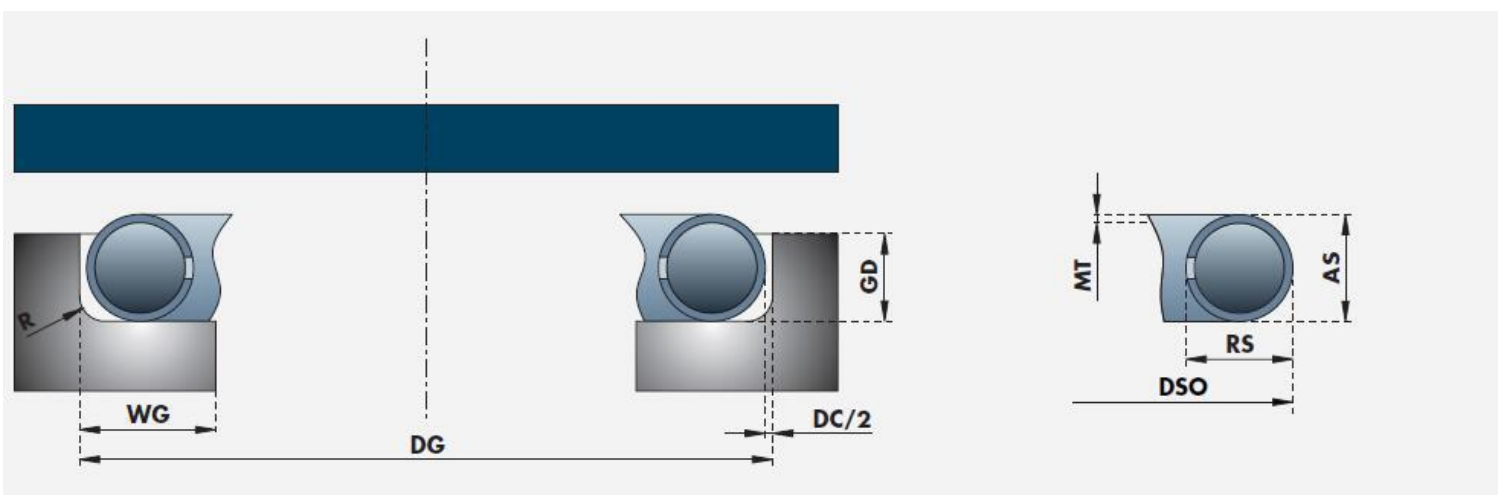


| Seal dimension | | | | | Groove dimensions | | | | Load | SB |
|----------------|---------------------------------|---------------|--------------------|-----------------------|-------------------------|------------------------|--------------------|--------------|----------------------|-------------------|
| AS | | | MT | DC | DG | GD | WG | R | | |
| Axial section | Tolerance on AS (cross 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 |
| 0,89 | +0,08 / -0,03 | M | 0,15 | 0,20 | 6,35-25 | 0,64-0,69 | 1,40 | 0,25 | 140 | 0,03 |
| 1,19 | +0,08 / -0,03 | H | 0,20 | 0,25 | 10-50 | 0,94-1,02 | 1,78 | 0,30 | 100 | 0,03 |
| 1,57 | +0,08 / -0,03 | M | 0,25 | 0,28 | 12-200 | 1,14-1,27 | 2,29 | 0,38 | 140 | 0,05 |
| | | H | 0,36 | | | | | | 200 | 0,04 |
| 2,39 | +0,08 / -0,03 | M | 0,25 | 0,33 | 25-200 | 1,88-2,01 | 3,18 | 0,51 | 100 | 0,05 |
| | | H | 0,46 | | | | | | 200 | 0,04 |
| 3,18 | +0,08 / -0,03 | M | 0,25 | 0,43 | 50-400 | 2,54-2,67 | 4,06 | 0,76 | 60 | 0,08 |
| | | H | 0,51 | | | | | | 180 | 0,05 |
| 3,96 | + 0,10 | M | 0,41 | 0,61 | 75-650 | 3,18-3,30 | 5,08 | 1,27 | 90 | 0,10 |
| | | H | 0,51 | | | | | | 135 | 0,08 |
| 4,78 | + 0,13 | M | 0,51 | 0,71 | 100-800 | 3,84-3,99 | 6,35 | 1,27 | 95 | 0,14 |
| | | H | 0,64 | | | | | | 200 | 0,10 |
| 6,35 | + 0,13 | M | 0,64 | 0,76 | 200-1200 | 5,05-5,28 | 8,89 | 1,52 | 100 | 0,20 |
| | | H | 0,81 | | | | | | 250 | 0,15 |
| 9,53 | + 0,13 | M | 0,97 | 1,02 | 300-2000 | 8,26-8,51 | 12,7 | 1,52 | 150 | 0,25 |
| | | H | 1,24 | | | | | | 300 | 0,20 |
| 12,7 | + 0,15 | M | 1,27 | 1,27 | 800-3000 | 11,05-11,43 | 16,51 | 1,52 | 200 | 0,30 |
| | | H | 1,65 | | | | | | 350 | 0,20 |

* Load and spring back figures are based on Inconel X750 in the age hardened condition. 321 stainless steel will only generate 1/3 of the given Inconel figures. 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 | | | MT | DC | DG | GD | WG | R | | |
| Axial section | Tolerance on AS (cross 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 mm |
| 0,89 | +0,08 / -0,03 | M | 0,15 | 0,20 | 6,35-25 | 0,64-0,69 | 1,40 | 0,25 | 140 | 0,03 |
| 1,19 | +0,08 / -0,03 | H | 0,20 | 0,25 | 10-50 | 0,94-1,02 | 1,78 | 0,30 | 100 | 0,03 |
| 1,57 | +0,08 -0,03 | M | 0,25 | 0,28 | 12-200 | 1,14-1,27 | 2,29 | 0,38 | 140 | 0,05 |
| | | H | 0,36 | | | | | | 200 | 0,04 |
| 2,39 | +0,08 -0,03 | M | 0,25 | 0,33 | 25-200 | 1,88-2,01 | 3,18 | 0,51 | 100 | 0,05 |
| | | H | 0,46 | | | | | | 200 | 0,04 |
| 3,18 | +0,08 -0,03 | M | 0,25 | 0,43 | 50-400 | 2,54-2,67 | 4,06 | 0,76 | 60 | 0,08 |
| | | H | 0,51 | | | | | | 180 | 0,05 |
| 3,96 | + 0,10 | M | 0,41 | 0,61 | 75-650 | 3,18-3,30 | 5,08 | 1,27 | 90 | 0,10 |
| | | H | 0,51 | | | | | | 135 | 0,08 |
| 4,78 | + 0,13 | M | 0,51 | 0,71 | 100-800 | 3,84-3,99 | 6,35 | 1,27 | 95 | 0,14 |
| | | H | 0,64 | | | | | | 200 | 0,10 |
| 6,35 | + 0,13 | M | 0,64 | 0,76 | 200-1200 | 5,05-5,28 | 8,89 | 1,52 | 100 | 0,20 |
| | | H | 0,81 | | | | | | 250 | 0,15 |
| 9,53 | + 0,13 | M | 0,97 | 1,02 | 300-2000 | 8,26-8,51 | 12,7 | 1,52 | 150 | 0,25 |
| | | H | 1,24 | | | | | | 300 | 0,20 |
| 12,7 | + 0,15 | M | 1,27 | 1,27 | 800-3000 | 11,05-11,43 | 16,51 | 1,52 | 200 | 0,30 |
| | | H | 1,65 | | | | | | 350 | 0,20 |

* Load and spring back figures are based on Inconel X750 in the age hardened condition. 321 stainless steel will only generate 1/3 of the given Inconel figures. 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.

