

1. Tolerance of the outside diameter in inches and millimeters

Inches:

| Diameter of the opening | Tolerances | | Tolerances | |
|-------------------------|--------------------|------------------------------|--------------------|------------------------------|
| | of the metal shell | of the rubber outer diameter | of the metal shell | of the rubber outer diameter |
| Под 1,000 | + 0,004 | + 0,006 | +/- 0,002 | +/- 0,003 |
| 1,001 – 2,000 | + 0,004 | + 0,007 | +/- 0,002 | +/- 0,003 |
| 2,001 – 3,000 | + 0,004 | + 0,008 | +/- 0,002 | +/- 0,003 |
| 3,001 – 4,000 | + 0,005 | + 0,010 | +/- 0,002 | +/- 0,004 |
| 4,001 – 6,000 | + 0,005 | + 0,010 | + 0,003 - 0,002 | +/- 0,004 |
| 6,001 – 8,000 | + 0,006 | + 0,010 | + 0,004 - 0,002 | +/- 0,004 |
| 8,001 – 10,000 | + 0,008 | + 0,010 | + 0,006 - 0,002 | +/- 0,004 |
| 10,001 – 20,000 | + 0,008 | + 0,010 | + 0,010 - 0,002 | +/- 0,004 |

Millimeters:

| Diameter of the opening | of the metal shell | of the rubber outer diameter |
|-------------------------|--------------------|------------------------------|
| Под 50,00 | + 0,10/+ 0,20 | + 0,15/ 0,30 |
| 50,01 – 80,00 | + 0,13/+ 0,23 | + 0,20/ 0,35 |
| 80,01 – 12,00 | + 0,15/+ 0,25 | + 0,20/ 0,35 |
| 120,01 – 180,00 | + 0,18/+ 0,28 | + 0,25/ 0,45 |
| 180,01 – 315,00 | + 0,20/+ 0,30 | + 0,25/ 0,45 |
| 315,00 – 500,00 | + 0,23/+ 0,35 | + 0,30/ 0,55 |

Width tolerances:

| Inch | Tolerance | Millimeter | Tolerances |
|---------------|-----------|------------|------------|
| Under 0,313 | +/- 0,008 | Under 8 | +/- 0,20 |
| 0,314 – 0,472 | +/- 0,012 | 8,01 – 12 | +/- 0,30 |
| 0,473 – 0,709 | +/- 0,016 | 12,01 – 18 | +/- 0,40 |
| Over 0,710 | +/- 0,020 | Over 18 | +/- 0,50 |

Tolerance and authorized eccentric outer diameter of the seal in millimeters:

| Diameter of the opening | Tolerances | | Allowed eccentric |
|--------------------------------|---------------------------|-------------------------------------|--------------------------|
| | of the metal shell | of the rubber outer diameter | |
| Unde 50 | + 0,10 / + 0,20 | + 0,15 / + 0,30 | 0,25 |
| 50,01 - 80 | + 0,13 / + 0,23 | + 0,20 / + 0,35 | 0,35 |
| 80,01 – 120 | + 0,15 / + 0,25 | + 0,20 / 0,35 | 0,50 |
| 120,01 – 180 | + 0,18 / + 0,28 | + 0,25 / 0,45 | 0,65 |
| 180,01 – 300 | + 0,20 / + 0,30 | + 0,25 / + 0,45 | 0,80 |
| 300,01 - 500 | + 0,23 / + 0,35 | + 0,30 / + 0,55 | 1,00 |