



BackUp Ring

| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -004 | 2.44 | 0.13 | +0.13/-0.13 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -005 | 3.23 | 0.13 | +0.13/-0.14 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -006 | 3.56 | 0.13 | +0.13/-0.14 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -007 | 4.34 | 0.13 | +0.13/-0.14 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -008 | 5.13 | 0.13 | +0.13/-0.14 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -009 | 5.94 | 0.13 | +0.13/-0.14 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -010 | 6.73 | 0.13 | +0.13/-0.15 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -011 | 8.31 | 0.13 | +0.13/-0.15 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -012 | 9.91 | 0.13 | +0.13/-0.16 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -013 | 11.56 | 0.13 | +0.13/-0.16 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -014 | 13.16 | 0.13 | +0.13/-0.17 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -015 | 14.73 | 0.18 | +0.18/-0.22 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -016 | 16.33 | 0.23 | +0.23/-0.28 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -017 | 17.91 | 0.23 | +0.23/-0.28 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -018 | 19.51 | 0.23 | +0.23/-0.29 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -019 | 21.08 | 0.23 | +0.23/-0.29 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -020 | 22.68 | 0.23 | +0.23/-0.3 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -021 | 24.26 | 0.23 | +0.23/-0.3 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -022 | 25.86 | 0.25 | +0.25/-0.33 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -023 | 27.43 | 0.25 | +0.25/-0.34 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -024 | 29.03 | 0.25 | +0.25/-0.34 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -025 | 30.61 | 0.28 | +0.28/-0.37 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -026 | 32.21 | 0.28 | +0.28/-0.38 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -027 | 33.78 | 0.28 | +0.28/-0.38 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -028 | 35.38 | 0.33 | +0.33/-0.44 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -029 | 38.56 | 0.33 | +0.33/-0.45 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -030 | 41.73 | 0.33 | +0.33/-0.46 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -031 | 44.91 | 0.38 | +0.38/-0.52 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |



BackUp Ring

| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -032 | 48.09 | 0.38 | +0.38/-0.53 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -033 | 51.26 | 0.46 | +0.46/-0.61 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -034 | 54.43 | 0.46 | +0.46/-0.62 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -035 | 57.61 | 0.46 | +0.46/-0.63 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -036 | 60.78 | 0.46 | +0.46/-0.64 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -037 | 63.96 | 0.46 | +0.46/-0.65 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -038 | 67.13 | 0.51 | +0.51/-0.71 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -039 | 70.31 | 0.51 | +0.51/-0.72 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -040 | 73.48 | 0.51 | +0.51/-0.73 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -041 | 76.66 | 0.61 | +0.61/-0.84 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -042 | 83.01 | 0.61 | +0.61/-0.86 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -043 | 89.36 | 0.61 | +0.61/-0.88 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -044 | 95.71 | 0.69 | +0.69/-0.97 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -045 | 102.06 | 0.69 | +0.69/-0.99 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -046 | 108.41 | 0.76 | +0.76/-1.09 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -047 | 114.76 | 0.76 | +0.76/-1.11 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -048 | 121.11 | 0.76 | +0.76/-1.13 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -049 | 127.46 | 0.94 | +0.94/-1.32 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -050 | 133.81 | 0.94 | +0.94/-1.34 | 2.21 | 0.25 | 1.20 | 0.08 | 1.14 | 0.08 | 1.35 | 0.08 |
| -102 | 1.96 | 0.13 | +0.13/-0.13 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -103 | 2.77 | 0.13 | +0.13/-0.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -104 | 3.56 | 0.13 | +0.13/-0.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -105 | 4.34 | 0.13 | +0.13/-0.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -106 | 5.13 | 0.13 | +0.13/-0.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -107 | 5.94 | 0.13 | +0.13/-0.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -108 | 6.73 | 0.13 | +0.13/-0.15 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -109 | 8.31 | 0.13 | +0.13/-0.15 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -110 | 9.91 | 0.13 | +0.13/-0.16 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |

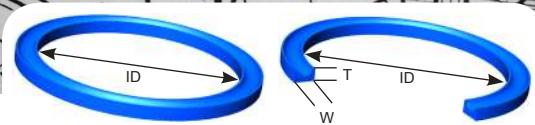


BackUp Ring

| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -111 | 11.48 | 0.13 | +0.13/-0.16 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -112 | 13.08 | 0.13 | +0.13/-0.17 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -113 | 14.66 | 0.18 | +0.18/-0.22 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -114 | 16.26 | 0.23 | +0.23/-0.28 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -115 | 17.83 | 0.23 | +0.23/-0.28 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -116 | 19.43 | 0.23 | +0.23/-0.29 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -117 | 21.11 | 0.25 | +0.25/-0.32 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -118 | 22.68 | 0.25 | +0.25/-0.32 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -119 | 24.28 | 0.25 | +0.25/-0.33 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -120 | 25.86 | 0.25 | +0.25/-0.33 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -121 | 27.46 | 0.25 | +0.25/-0.34 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -122 | 29.03 | 0.25 | +0.25/-0.34 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -123 | 30.63 | 0.30 | +0.3/-0.4 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -124 | 32.21 | 0.30 | +0.3/-0.4 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -125 | 33.81 | 0.30 | +0.3/-0.41 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -126 | 35.38 | 0.30 | +0.3/-0.41 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -127 | 36.98 | 0.30 | +0.3/-0.42 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -128 | 38.56 | 0.30 | +0.3/-0.42 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -129 | 40.16 | 0.38 | +0.38/-0.5 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -130 | 41.73 | 0.38 | +0.38/-0.51 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -131 | 43.33 | 0.38 | +0.38/-0.51 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -132 | 44.91 | 0.38 | +0.38/-0.52 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -133 | 46.51 | 0.38 | +0.38/-0.52 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -134 | 48.08 | 0.38 | +0.38/-0.53 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -135 | 49.68 | 0.43 | +0.43/-0.58 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -136 | 51.26 | 0.43 | +0.43/-0.59 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -137 | 52.86 | 0.43 | +0.43/-0.59 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -138 | 54.43 | 0.43 | +0.43/-0.6 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |



BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -139 | 56.03 | 0.43 | +0.43/-0.6 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -140 | 57.61 | 0.43 | +0.43/-0.6 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -141 | 59.21 | 0.51 | +0.51/-0.69 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -142 | 60.78 | 0.51 | +0.51/-0.69 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -143 | 62.38 | 0.51 | +0.51/-0.7 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -144 | 63.96 | 0.51 | +0.51/-0.7 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -145 | 65.56 | 0.51 | +0.51/-0.7 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -146 | 67.13 | 0.51 | +0.51/-0.71 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -147 | 68.73 | 0.56 | +0.56/-0.76 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -148 | 70.31 | 0.56 | +0.56/-0.77 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -149 | 71.91 | 0.56 | +0.56/-0.77 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -150 | 73.48 | 0.56 | +0.56/-0.78 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -151 | 76.66 | 0.61 | +0.61/-0.84 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -152 | 83.01 | 0.61 | +0.61/-0.86 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -153 | 89.36 | 0.61 | +0.61/-0.88 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -154 | 95.71 | 0.71 | +0.71/-1 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -155 | 102.06 | 0.71 | +0.71/-1.02 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -156 | 108.41 | 0.76 | +0.76/-1.09 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -157 | 114.76 | 0.76 | +0.76/-1.11 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -158 | 121.11 | 0.76 | +0.76/-1.13 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -159 | 127.46 | 0.89 | +0.89/-1.27 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -160 | 133.81 | 0.89 | +0.89/-1.29 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -161 | 140.16 | 0.89 | +0.89/-1.31 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -162 | 146.51 | 0.89 | +0.89/-1.33 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -163 | 152.86 | 0.89 | +0.89/-1.35 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -164 | 159.21 | 1.02 | +1.02/-1.49 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -165 | 165.56 | 1.02 | +1.02/-1.51 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -166 | 171.91 | 1.02 | +1.02/-1.53 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |

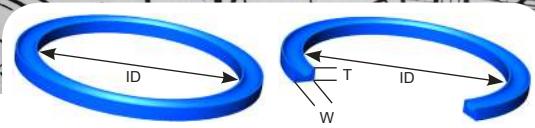


BackUp Ring

| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -167 | 178.26 | 1.02 | +1.02/-1.55 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -168 | 184.61 | 1.14 | +1.14/-1.7 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -169 | 190.96 | 1.14 | +1.14/-1.72 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -170 | 197.31 | 1.14 | +1.14/-1.73 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -171 | 203.66 | 1.14 | +1.14/-1.75 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -172 | 210.01 | 1.27 | +1.27/-1.9 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -173 | 216.36 | 1.27 | +1.27/-1.92 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -174 | 222.71 | 1.27 | +1.27/-1.94 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -175 | 229.06 | 1.27 | +1.27/-1.96 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -176 | 235.41 | 1.40 | +1.4/-2.1 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -177 | 241.76 | 1.40 | +1.4/-2.12 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -178 | 248.11 | 1.40 | +1.4/-2.14 | 3.28 | 0.25 | 1.28 | 0.08 | 1.14 | 0.08 | 2.18 | 0.08 |
| -201 | 5.13 | 0.13 | +0.13/-0.14 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -202 | 6.73 | 0.13 | +0.13/-0.15 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -203 | 8.31 | 0.13 | +0.13/-0.15 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -204 | 9.91 | 0.13 | +0.13/-0.16 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -205 | 11.56 | 0.13 | +0.13/-0.16 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -206 | 13.16 | 0.13 | +0.13/-0.17 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -207 | 14.73 | 0.18 | +0.18/-0.22 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -208 | 16.33 | 0.23 | +0.23/-0.28 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -209 | 17.91 | 0.23 | +0.23/-0.28 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -210 | 19.46 | 0.25 | +0.25/-0.31 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -211 | 21.03 | 0.25 | +0.25/-0.32 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -212 | 22.63 | 0.25 | +0.25/-0.32 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -213 | 24.21 | 0.25 | +0.25/-0.33 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -214 | 25.81 | 0.25 | +0.25/-0.33 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -215 | 27.38 | 0.25 | +0.25/-0.34 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -216 | 28.98 | 0.30 | +0.3/-0.39 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |



BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -217 | 30.56 | 0.30 | +0.3/-0.4 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -218 | 32.16 | 0.30 | +0.3/-0.4 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -219 | 33.88 | 0.30 | +0.3/-0.41 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -220 | 35.48 | 0.30 | +0.3/-0.41 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -221 | 37.06 | 0.30 | +0.3/-0.42 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -222 | 38.66 | 0.38 | +0.38/-0.5 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -223 | 41.83 | 0.38 | +0.38/-0.51 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -224 | 45.01 | 0.38 | +0.38/-0.52 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -225 | 48.18 | 0.46 | +0.46/-0.6 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -226 | 51.36 | 0.46 | +0.46/-0.61 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -227 | 54.53 | 0.46 | +0.46/-0.62 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -228 | 57.71 | 0.51 | +0.51/-0.68 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -229 | 60.88 | 0.51 | +0.51/-0.69 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -230 | 64.06 | 0.51 | +0.51/-0.7 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -231 | 66.83 | 0.51 | +0.51/-0.71 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -232 | 70 | 0.61 | +0.61/-0.82 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -233 | 73.18 | 0.61 | +0.61/-0.83 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -234 | 76.35 | 0.61 | +0.61/-0.84 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -235 | 79.53 | 0.61 | +0.61/-0.85 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -236 | 82.7 | 0.61 | +0.61/-0.86 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -237 | 85.88 | 0.61 | +0.61/-0.87 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -238 | 89.05 | 0.61 | +0.61/-0.88 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -239 | 92.23 | 0.71 | +0.71/-0.99 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -240 | 95.4 | 0.71 | +0.71/-1 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -241 | 98.58 | 0.71 | +0.71/-1.01 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -242 | 101.75 | 0.71 | +0.71/-1.02 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -243 | 104.93 | 0.71 | +0.71/-1.03 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -244 | 108.1 | 0.76 | +0.76/-1.09 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |

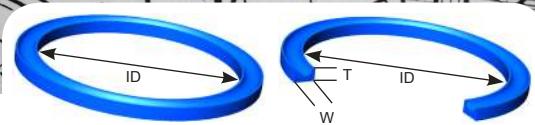


BackUp Ring

| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -245 | 111.28 | 0.76 | +0.76/-1.1 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -246 | 114.45 | 0.76 | +0.76/-1.11 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -247 | 117.63 | 0.76 | +0.76/-1.11 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -248 | 121.11 | 0.76 | +0.76/-1.13 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -249 | 124.28 | 0.89 | +0.89/-1.26 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -250 | 127.46 | 0.89 | +0.89/-1.27 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -251 | 130.63 | 0.89 | +0.89/-1.28 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -252 | 133.81 | 0.89 | +0.89/-1.29 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -253 | 136.98 | 0.89 | +0.89/-1.3 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -254 | 140.16 | 0.89 | +0.89/-1.31 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -255 | 143.33 | 0.89 | +0.89/-1.32 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -256 | 146.51 | 0.89 | +0.89/-1.33 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -257 | 149.68 | 0.89 | +0.89/-1.34 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -258 | 152.86 | 0.89 | +0.89/-1.35 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -259 | 159.21 | 1.02 | +1.02/-1.49 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -260 | 165.56 | 1.02 | +1.02/-1.51 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -261 | 171.91 | 1.02 | +1.02/-1.53 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -262 | 178.26 | 1.02 | +1.02/-1.55 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -263 | 184.61 | 1.14 | +1.14/-1.7 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -264 | 190.96 | 1.14 | +1.14/-1.72 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -265 | 197.31 | 1.14 | +1.14/-1.73 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -266 | 203.66 | 1.14 | +1.14/-1.75 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -267 | 210.01 | 1.27 | +1.27/-1.9 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -268 | 216.36 | 1.27 | +1.27/-1.92 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -269 | 222.71 | 1.27 | +1.27/-1.94 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -270 | 229.06 | 1.27 | +1.27/-1.96 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -271 | 235.41 | 1.40 | +1.4/-2.1 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -272 | 241.76 | 1.40 | +1.4/-2.12 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |



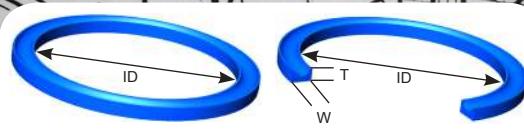
BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -273 | 248.11 | 1.40 | +1.4/-2.14 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -274 | 254.46 | 1.40 | +1.4/-2.16 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -275 | 267.16 | 1.40 | +1.4/-2.2 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -276 | 279.86 | 1.65 | +1.65/-2.49 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -277 | 292.56 | 1.65 | +1.65/-2.53 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -278 | 305.26 | 1.65 | +1.65/-2.57 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -279 | 330.66 | 1.65 | +1.65/-2.64 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -280 | 356.06 | 1.65 | +1.65/-2.72 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -281 | 381.46 | 1.65 | +1.65/-2.8 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -282 | 406.12 | 1.91 | +1.91/-3.12 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -283 | 431.52 | 2.03 | +2.03/-3.33 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -284 | 456.92 | 2.16 | +2.16/-3.53 | 4.42 | 0.25 | 1.23 | 0.08 | 1.02 | 0.08 | 3.00 | 0.10 |
| -309 | 11.43 | 0.13 | +0.13/-0.16 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -310 | 13.03 | 0.13 | +0.13/-0.17 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -311 | 14.61 | 0.18 | +0.18/-0.22 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -312 | 16.21 | 0.23 | +0.23/-0.28 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -313 | 17.78 | 0.23 | +0.23/-0.28 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -314 | 19.38 | 0.25 | +0.25/-0.31 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -315 | 20.96 | 0.25 | +0.25/-0.32 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -316 | 22.56 | 0.25 | +0.25/-0.32 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -317 | 24.13 | 0.25 | +0.25/-0.33 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -318 | 25.73 | 0.25 | +0.25/-0.33 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -319 | 27.31 | 0.25 | +0.25/-0.34 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -320 | 28.91 | 0.30 | +0.3/-0.39 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -321 | 30.48 | 0.30 | +0.3/-0.4 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -322 | 32.08 | 0.30 | +0.3/-0.4 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -323 | 33.43 | 0.30 | +0.3/-0.41 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -324 | 35.26 | 0.30 | +0.3/-0.41 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |



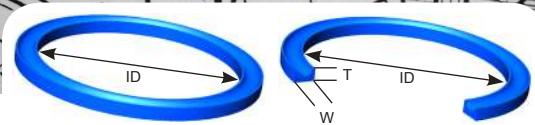
BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -325 | 38.43 | 0.38 | +0.38/-0.5 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -326 | 41.61 | 0.38 | +0.38/-0.51 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -327 | 44.78 | 0.38 | +0.38/-0.52 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -328 | 47.96 | 0.38 | +0.38/-0.52 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -329 | 51.13 | 0.46 | +0.46/-0.61 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -330 | 54.31 | 0.46 | +0.46/-0.62 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -331 | 57.61 | 0.46 | +0.46/-0.63 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -332 | 60.78 | 0.46 | +0.46/-0.64 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -333 | 63.96 | 0.51 | +0.51/-0.7 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -334 | 67.13 | 0.51 | +0.51/-0.71 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -335 | 70.31 | 0.51 | +0.51/-0.72 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -336 | 73.48 | 0.51 | +0.51/-0.73 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -337 | 76.66 | 0.61 | +0.61/-0.84 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -338 | 79.83 | 0.61 | +0.61/-0.85 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -339 | 83.13 | 0.61 | +0.61/-0.86 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -340 | 86.31 | 0.61 | +0.61/-0.87 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -341 | 89.48 | 0.61 | +0.61/-0.88 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -342 | 92.66 | 0.71 | +0.71/-0.99 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -343 | 95.83 | 0.71 | +0.71/-1 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -344 | 99.01 | 0.71 | +0.71/-1.01 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -345 | 102.31 | 0.71 | +0.71/-1.02 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -346 | 105.49 | 0.71 | +0.71/-1.03 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -347 | 108.66 | 0.76 | +0.76/-1.09 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -348 | 111.84 | 0.76 | +0.76/-1.1 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -349 | 115.01 | 0.76 | +0.76/-1.11 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -350 | 118.19 | 0.76 | +0.76/-1.12 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -351 | 121.36 | 0.76 | +0.76/-1.13 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -352 | 124.54 | 0.76 | +0.76/-1.14 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |



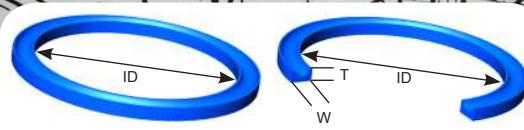
BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -353 | 127.71 | 0.94 | +0.94/-1.32 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -354 | 130.89 | 0.94 | +0.94/-1.33 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -355 | 134.06 | 0.94 | +0.94/-1.34 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -356 | 137.24 | 0.94 | +0.94/-1.35 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -357 | 140.41 | 0.94 | +0.94/-1.36 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -358 | 143.59 | 0.94 | +0.94/-1.37 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -359 | 146.76 | 0.94 | +0.94/-1.38 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -360 | 149.94 | 0.94 | +0.94/-1.39 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -361 | 153.11 | 0.94 | +0.94/-1.4 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -362 | 159.46 | 1.02 | +1.02/-1.49 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -363 | 165.81 | 1.02 | +1.02/-1.51 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -364 | 172.16 | 1.02 | +1.02/-1.53 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -365 | 178.51 | 1.02 | +1.02/-1.55 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -366 | 184.86 | 1.14 | +1.14/-1.7 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -367 | 191.21 | 1.14 | +1.14/-1.72 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -368 | 197.56 | 1.14 | +1.14/-1.74 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -369 | 203.91 | 1.14 | +1.14/-1.75 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -370 | 210.26 | 1.27 | +1.27/-1.9 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -371 | 216.61 | 1.27 | +1.27/-1.92 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -372 | 222.96 | 1.27 | +1.27/-1.94 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -373 | 229.31 | 1.27 | +1.27/-1.96 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -374 | 235.66 | 1.40 | +1.4/-2.1 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -375 | 242.01 | 1.40 | +1.4/-2.12 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -376 | 248.36 | 1.40 | +1.4/-2.14 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -377 | 254.71 | 1.40 | +1.4/-2.16 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -378 | 267.41 | 1.52 | +1.52/-2.33 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -379 | 280.11 | 1.52 | +1.52/-2.36 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -380 | 292.81 | 1.65 | +1.65/-2.53 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |



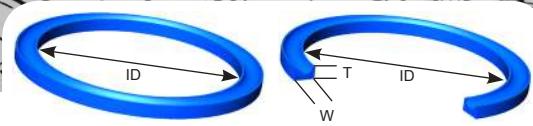
BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -381 | 305.51 | 1.65 | +1.65/-2.57 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -382 | 330.91 | 1.65 | +1.65/-2.64 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -383 | 356.31 | 1.78 | +1.78/-2.85 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -384 | 381.71 | 1.78 | +1.78/-2.92 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -385 | 406.6 | 1.91 | +1.91/-3.12 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -386 | 432 | 2.03 | +2.03/-3.33 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -387 | 457.4 | 2.16 | +2.16/-3.53 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -388 | 482.75 | 2.29 | +2.29/-3.73 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -389 | 508.15 | 2.41 | +2.41/-3.94 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -390 | 533.55 | 2.41 | +2.41/-4.01 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -391 | 558.95 | 2.54 | +2.54/-4.22 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -392 | 584.02 | 2.67 | +2.67/-4.42 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -393 | 609.42 | 2.79 | +2.79/-4.62 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -394 | 634.82 | 2.92 | +2.92/-4.83 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -395 | 660.22 | 3.05 | +3.05/-5.03 | 6.65 | 0.25 | 1.88 | 0.10 | 1.52 | 0.10 | 4.65 | 0.13 |
| -425 | 115.6 | 0.84 | +0.84/-1.18 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -426 | 118.77 | 0.84 | +0.84/-1.19 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -427 | 121.95 | 0.84 | +0.84/-1.2 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -428 | 125.12 | 0.84 | +0.84/-1.21 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -429 | 128.3 | 0.94 | +0.94/-1.32 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -430 | 131.47 | 0.94 | +0.94/-1.33 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -431 | 134.65 | 0.94 | +0.94/-1.34 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -432 | 137.82 | 0.94 | +0.94/-1.35 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -433 | 141 | 0.94 | +0.94/-1.36 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -434 | 144.17 | 0.94 | +0.94/-1.37 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -435 | 147.35 | 0.94 | +0.94/-1.38 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -436 | 150.52 | 0.94 | +0.94/-1.39 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -437 | 153.7 | 0.94 | +0.94/-1.4 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |



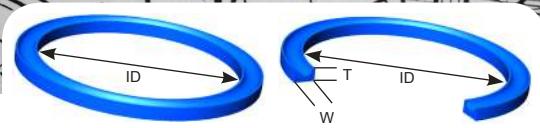
BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -438 | 159.36 | 1.02 | +1.02/-1.49 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -439 | 165.71 | 1.02 | +1.02/-1.51 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -440 | 172.06 | 1.02 | +1.02/-1.53 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -441 | 178.41 | 1.02 | +1.02/-1.55 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -442 | 184.76 | 1.14 | +1.14/-1.7 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -443 | 191.11 | 1.14 | +1.14/-1.72 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -444 | 197.46 | 1.14 | +1.14/-1.74 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -445 | 203.81 | 1.14 | +1.14/-1.75 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -446 | 216.51 | 1.40 | +1.4/-2.05 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -447 | 229.21 | 1.40 | +1.4/-2.08 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -448 | 241.91 | 1.40 | +1.4/-2.12 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -449 | 254.61 | 1.40 | +1.4/-2.16 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -450 | 267.31 | 1.52 | +1.52/-2.33 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -451 | 280.01 | 1.52 | +1.52/-2.36 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -452 | 292.71 | 1.52 | +1.52/-2.4 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -453 | 305.41 | 1.52 | +1.52/-2.44 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -454 | 318.11 | 1.52 | +1.52/-2.48 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -455 | 330.81 | 1.52 | +1.52/-2.52 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -456 | 343.51 | 1.78 | +1.78/-2.81 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -457 | 356.21 | 1.78 | +1.78/-2.85 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -458 | 368.91 | 1.78 | +1.78/-2.88 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -459 | 381.61 | 1.78 | +1.78/-2.92 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -460 | 394.31 | 1.78 | +1.78/-2.96 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -461 | 406.5 | 1.91 | +1.91/-3.12 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -462 | 419.2 | 1.91 | +1.91/-3.16 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -463 | 431.9 | 2.03 | +2.03/-3.33 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -464 | 444.6 | 2.16 | +2.16/-3.49 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -465 | 457.3 | 2.16 | +2.16/-3.53 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |



BackUp Ring



| BackUp Ring Size | measurements in millimeters | | | | | | | | | | |
|------------------------|-----------------------------|-------|-------------|----------|------|------|------|------|------|------|------|
| | ID | NBR ± | FKM ± | R ± .010 | ± | T | ± | A | ± | W | ± |
| -466 | 470 | 2.16 | +2.16/-3.57 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -467 | 482.7 | 2.29 | +2.29/-3.73 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -468 | 495.4 | 2.29 | +2.29/-3.77 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -469 | 508.1 | 2.41 | +2.41/-3.94 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -470 | 533.5 | 2.41 | +2.41/-4.01 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -471 | 558.9 | 2.54 | +2.54/-4.22 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -472 | 584.3 | 2.67 | +2.67/-4.42 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -473 | 609.7 | 2.79 | +2.79/-4.62 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -474 | 635.1 | 2.92 | +2.92/-4.83 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |
| -475 | 660.5 | 3.05 | +3.05/-5.03 | 8.74 | 0.25 | 2.91 | 0.13 | 2.44 | 0.13 | 5.99 | 0.15 |