

## **Model Number: MS29512**

### **Mil Spec O-Rings**

: Packing Preformed (Oring) fabricated from MIL-P-5315B 70 Durometer Nitrile Rubber (Boss Orings) used in aircraft fuel systems with jet engines (-65 to 200F) - Hydrocarbon and fuel resistant.  
Size Range .04 to 2 Tubing OD



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| <b>Part<br/>Number</b> | <b>Tube OD<br/>(in.)</b> | <b>Thickness</b> | <b>Gasket ID</b> |
|------------------------|--------------------------|------------------|------------------|
| MS29512-2              | 1/8                      | 0.064            | 0.239            |
| MS29512-3              | 3/16                     | 0.064            | 0.301            |
| MS29512-4              | 1/4                      | 0.072            | 0.351            |
| MS29512-5              | 5/16                     | 0.075            | 0.414            |
| MS29512-6              | 3/8                      | 0.078            | 0.468            |
| MS29512-8              | 1/2                      | 0.087            | 0.644            |
| MS29512-10             | 5/8                      | 0.097            | 0.755            |
| MS29512-12             | 3/4                      | 0.116            | 0.924            |
| MS29512-16             | 1                        | 0.116            | 1.047            |
| MS29512-20             | 1-1/4                    | 0.118            | 1.475            |
| MS29512-24             | 1-1/2                    | 0.118            | 1.720            |
| MS29512-28             | 1-3/4                    | 0.118            | 2.090            |

|      | Inside<br>Dia. | Nominal<br>Inside<br>Diameter | Nominal<br>Outside<br>Diameter | Nominal<br>Cross<br>Section | Inside<br>Dia.-<br>Tol. | Inside<br>Dia. | Inside<br>Dia.-<br>Tol. | Cross<br>Section<br>Dia. | Cross<br>Section<br>Dia.-<br>Tol. | Cross<br>Section<br>Dia. | Cross<br>Section<br>Dia.- Tol. |
|------|----------------|-------------------------------|--------------------------------|-----------------------------|-------------------------|----------------|-------------------------|--------------------------|-----------------------------------|--------------------------|--------------------------------|
| -001 | .029           | 0.03125                       | 0.09375                        | 0.03125                     | .004                    | 0.74           | 0.10                    | .040                     | .003                              | 1.02                     | 0.07                           |
| -002 | .042           | 0.046875                      | 0.140625                       | 0.03125                     | .004                    | 1.07           | 0.10                    | .050                     | .003                              | 1.27                     | 0.07                           |
| -003 | .056           | 0.0625                        | 0.1875                         | 0.0625                      | .004                    | 1.42           | 0.10                    | .060                     | .003                              | 1.52                     | 0.07                           |
| -004 | .070           | 0.078125                      | 0.203125                       | 0.0625                      | .005                    | 1.78           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -005 | .101           | 0.09375                       | 0.21875                        | 0.0625                      | .005                    | 2.57           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -006 | .114           | 0.125                         | 0.25                           | 0.0625                      | .005                    | 2.90           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -007 | .145           | 0.15625                       | 0.28125                        | 0.0625                      | .005                    | 3.68           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -008 | .176           | 0.1875                        | 0.3125                         | 0.0625                      | .005                    | 4.47           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -009 | .208           | 0.21875                       | 0.34375                        | 0.0625                      | .005                    | 5.28           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -010 | .239           | 0.25                          | 0.375                          | 0.0625                      | .005                    | 6.07           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -011 | .301           | 0.3125                        | 0.4375                         | 0.0625                      | .005                    | 7.65           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -012 | .364           | 0.375                         | 0.5                            | 0.0625                      | .005                    | 9.25           | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -013 | .426           | 0.4375                        | 0.5625                         | 0.0625                      | .005                    | 10.82          | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -014 | .489           | 0.50                          | 0.625                          | 0.0625                      | .005                    | 12.42          | 0.13                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -015 | .551           | 0.5625                        | 0.6875                         | 0.0625                      | .007                    | 14.00          | 0.18                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -016 | .614           | 0.625                         | 0.75                           | 0.0625                      | .009                    | 15.60          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -017 | .676           | 0.6875                        | 0.8125                         | 0.0625                      | .009                    | 17.17          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -018 | .739           | 0.75                          | 0.875                          | 0.0625                      | .009                    | 18.77          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -019 | .801           | 0.8125                        | 0.9375                         | 0.0625                      | .009                    | 20.35          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -020 | .864           | 0.875                         | 1.0                            | 0.0625                      | .009                    | 21.95          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -021 | .926           | 0.9375                        | 1.0625                         | 0.0625                      | .009                    | 23.52          | 0.23                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -022 | .989           | 1.0                           | 1.125                          | 0.0625                      | .010                    | 25.12          | 0.25                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -023 | 1.051          | 1.0625                        | 1.1875                         | 0.0625                      | .010                    | 26.70          | 0.25                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -024 | 1.114          | 1.125                         | 1.25                           | 0.0625                      | .010                    | 28.30          | 0.25                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -025 | 1.176          | 1.1875                        | 1.3125                         | 0.0625                      | .011                    | 29.87          | 0.28                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -026 | 1.239          | 1.25                          | 1.375                          | 0.0625                      | .011                    | 31.47          | 0.28                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -027 | 1.301          | 1.3125                        | 1.4375                         | 0.0625                      | .011                    | 33.05          | 0.28                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -028 | 1.364          | 1.375                         | 1.5                            | 0.0625                      | .013                    | 34.65          | 0.33                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -029 | 1.489          | 1.5                           | 1.625                          | 0.0625                      | .013                    | 37.82          | 0.33                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -030 | 1.614          | 1.625                         | 1.75                           | 0.0625                      | .013                    | 41.00          | 0.33                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -031 | 1.739          | 1.75                          | 1.875                          | 0.0625                      | .015                    | 44.17          | 0.38                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -032 | 1.864          | 1.875                         | 2.0                            | 0.0625                      | .015                    | 47.35          | 0.38                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -033 | 1.989          | 2.0                           | 2.125                          | 0.0625                      | .018                    | 50.52          | 0.46                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -034 | 2.114          | 2.125                         | 2.25                           | 0.0625                      | .018                    | 53.70          | 0.46                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -035 | 2.239          | 2.25                          | 2.375                          | 0.0625                      | .018                    | 56.87          | 0.46                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -036 | 2.364          | 2.375                         | 2.5                            | 0.0625                      | .018                    | 60.05          | 0.46                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -037 | 2.489          | 2.5                           | 2.625                          | 0.0625                      | .018                    | 63.22          | 0.46                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -038 | 2.614          | 2.625                         | 2.75                           | 0.0625                      | .020                    | 66.40          | 0.51                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -039 | 2.739          | 2.75                          | 2.875                          | 0.0625                      | .020                    | 69.57          | 0.51                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -040 | 2.864          | 2.875                         | 3.0                            | 0.0625                      | .020                    | 72.75          | 0.51                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -041 | 2.989          | 3.0                           | 3.125                          | 0.0625                      | .024                    | 75.92          | 0.61                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -042 | 3.239          | 3.25                          | 3.375                          | 0.0625                      | .024                    | 82.27          | 0.61                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -043 | 3.489          | 3.5                           | 3.625                          | 0.0625                      | .024                    | 88.62          | 0.61                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -044 | 3.739          | 3.75                          | 3.875                          | 0.0625                      | .027                    | 94.97          | 0.69                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -045 | 3.989          | 4.0                           | 4.125                          | 0.0625                      | .027                    | 101.32         | 0.69                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -046 | 4.239          | 4.25                          | 4.375                          | 0.0625                      | .030                    | 107.67         | 0.76                    | .070                     | .003                              | 1.78                     | 0.07                           |
| -047 | 4.489          | 4.5                           | 4.625                          | 0.0625                      | .030                    | 114.02         | 0.76                    | .070                     | .003                              | 1.78                     | 0.07                           |

|      |       |         |         |         |      |        |      |      |      |      |      |
|------|-------|---------|---------|---------|------|--------|------|------|------|------|------|
| -048 | 4.739 | 4.75    | 4.875   | 0.0625  | .030 | 120.37 | 0.76 | .070 | .003 | 1.78 | 0.07 |
| -049 | 4.989 | 5.0     | 5.125   | 0.0625  | .037 | 126.72 | 0.94 | .070 | .003 | 1.78 | 0.07 |
| -050 | 5.239 | 5.25    | 5.375   | 0.0625  | .037 | 133.07 | 0.94 | .070 | .003 | 1.78 | 0.07 |
| -102 | .049  | 0.0625  | 0.25    | 0.09375 | .005 | 1.24   | 0.10 | .103 | .003 | 2.62 | 0.08 |
| -103 | .081  | 0.09375 | 0.28125 | 0.09375 | .005 | 2.06   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -104 | .112  | 0.125   | 0.3125  | 0.09375 | .005 | 2.84   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -105 | .143  | 0.15625 | 0.34375 | 0.09375 | .005 | 3.63   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -106 | .174  | 0.1875  | 0.375   | 0.09375 | .005 | 4.42   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -107 | .206  | 0.21875 | 0.40625 | 0.09375 | .005 | 5.23   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -108 | .237  | 0.25    | 0.4375  | 0.09375 | .005 | 6.02   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -109 | .299  | 0.3125  | 0.5     | 0.09375 | .005 | 7.59   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -110 | .362  | 0.375   | 0.5625  | 0.09375 | .005 | 9.19   | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -111 | .424  | 0.4375  | 0.625   | 0.09375 | .005 | 10.77  | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -112 | .487  | 0.50    | 0.6875  | 0.09375 | .005 | 12.37  | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -113 | .549  | 0.5625  | 0.75    | 0.09375 | .005 | 13.94  | 0.13 | .103 | .003 | 2.62 | 0.08 |
| -114 | .612  | 0.625   | 0.8125  | 0.09375 | .005 | 15.54  | 0.23 | .103 | .003 | 2.62 | 0.08 |
| -115 | .674  | 0.6875  | 0.875   | 0.09375 | .005 | 17.12  | 0.23 | .103 | .003 | 2.62 | 0.08 |
| -116 | .737  | 0.75    | 0.9375  | 0.09375 | .009 | 18.72  | 0.23 | .103 | .003 | 2.62 | 0.08 |
| -117 | .799  | 0.8125  | 1.0     | 0.09375 | .010 | 20.29  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -118 | .862  | 0.875   | 1.0625  | 0.09375 | .010 | 21.89  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -119 | .924  | 0.9375  | 1.125   | 0.09375 | .010 | 23.47  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -120 | .987  | 1.0     | 1.1875  | 0.09375 | .010 | 25.07  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -121 | 1.049 | 1.0625  | 1.25    | 0.09375 | .010 | 26.64  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -122 | 1.112 | 1.125   | 1.3125  | 0.09375 | .010 | 28.24  | 0.25 | .103 | .003 | 2.62 | 0.08 |
| -123 | 1.174 | 1.1875  | 1.375   | 0.09375 | .012 | 29.82  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -124 | 1.237 | 1.25    | 1.4375  | 0.09375 | .012 | 31.42  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -125 | 1.299 | 1.3125  | 1.5     | 0.09375 | .012 | 32.99  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -126 | 1.362 | 1.375   | 1.5625  | 0.09375 | .012 | 34.59  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -127 | 1.424 | 1.4375  | 1.625   | 0.09375 | .012 | 36.17  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -128 | 1.487 | 1.5     | 1.6875  | 0.09375 | .012 | 37.77  | 0.30 | .103 | .003 | 2.62 | 0.08 |
| -129 | 1.549 | 1.5625  | 1.75    | 0.09375 | .015 | 39.34  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -130 | 1.612 | 1.625   | 1.8125  | 0.09375 | .015 | 40.94  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -131 | 1.674 | 1.6875  | 1.875   | 0.09375 | .015 | 42.52  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -132 | 1.737 | 1.75    | 1.9375  | 0.09375 | .015 | 44.12  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -133 | 1.799 | 1.8125  | 2.0     | 0.09375 | .015 | 45.69  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -134 | 1.862 | 1.875   | 2.0625  | 0.09375 | .015 | 47.29  | 0.38 | .103 | .003 | 2.62 | 0.08 |
| -135 | 1.925 | 1.9375  | 2.125   | 0.09375 | .017 | 48.90  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -136 | 1.987 | 2.0     | 2.1875  | 0.09375 | .017 | 50.47  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -137 | 2.050 | 2.0625  | 2.25    | 0.09375 | .017 | 52.07  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -138 | 2.112 | 2.125   | 2.3125  | 0.09375 | .017 | 53.64  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -139 | 2.175 | 2.1875  | 2.375   | 0.09375 | .017 | 55.25  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -140 | 2.237 | 2.25    | 2.4375  | 0.09375 | .017 | 56.82  | 0.43 | .103 | .003 | 2.62 | 0.08 |
| -141 | 2.300 | 2.3125  | 2.5     | 0.09375 | .020 | 58.42  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -142 | 2.362 | 2.375   | 2.5625  | 0.09375 | .020 | 59.99  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -143 | 2.425 | 2.4375  | 2.625   | 0.09375 | .020 | 61.60  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -144 | 2.487 | 2.5     | 2.6875  | 0.09375 | .020 | 63.17  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -145 | 2.550 | 2.5625  | 2.75    | 0.09375 | .020 | 64.77  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -146 | 2.612 | 2.625   | 2.8125  | 0.09375 | .020 | 66.34  | 0.51 | .103 | .003 | 2.62 | 0.08 |
| -147 | 2.675 | 2.6875  | 2.875   | 0.09375 | .022 | 67.95  | 0.56 | .103 | .003 | 2.62 | 0.08 |
| -148 | 2.737 | 2.75    | 2.9375  | 0.09375 | .022 | 69.52  | 0.56 | .103 | .003 | 2.62 | 0.08 |

|      |       |        |        |         |      |        |      |      |      |      |      |
|------|-------|--------|--------|---------|------|--------|------|------|------|------|------|
| -149 | 2.800 | 2.8125 | 3.0    | 0.09375 | .022 | 71.12  | 0.56 | .103 | .003 | 2.62 | 0.08 |
| -150 | 2.862 | 2.875  | 3.0625 | 0.09375 | .022 | 72.69  | 0.56 | .103 | .003 | 2.62 | 0.08 |
| -151 | 2.987 | 3.0    | 3.1875 | 0.09375 | .024 | 75.87  | 0.61 | .103 | .003 | 2.62 | 0.08 |
| -152 | 3.237 | 3.25   | 3.4375 | 0.09375 | .024 | 82.22  | 0.61 | .103 | .003 | 2.62 | 0.08 |
| -153 | 3.487 | 3.5    | 3.6875 | 0.09375 | .024 | 88.57  | 0.61 | .103 | .003 | 2.62 | 0.08 |
| -154 | 3.737 | 3.75   | 3.9375 | 0.09375 | .028 | 94.92  | 0.71 | .103 | .003 | 2.62 | 0.08 |
| -155 | 3.987 | 4.0    | 4.1875 | 0.09375 | .028 | 101.27 | 0.71 | .103 | .003 | 2.62 | 0.08 |
| -156 | 4.237 | 4.25   | 4.4375 | 0.09375 | .030 | 107.62 | 0.76 | .103 | .003 | 2.62 | 0.08 |
| -157 | 4.487 | 4.5    | 4.6875 | 0.09375 | .030 | 113.97 | 0.76 | .103 | .003 | 2.62 | 0.08 |
| -158 | 4.737 | 4.75   | 4.9375 | 0.09375 | .030 | 120.32 | 0.76 | .103 | .003 | 2.62 | 0.08 |
| -159 | 4.987 | 5.0    | 5.1875 | 0.09375 | .035 | 126.67 | 0.89 | .103 | .003 | 2.62 | 0.08 |
| -160 | 5.237 | 5.25   | 5.4375 | 0.09375 | .035 | 133.02 | 0.89 | .103 | .003 | 2.62 | 0.08 |
| -161 | 5.487 | 5.5    | 5.6875 | 0.09375 | .035 | 139.37 | 0.89 | .103 | .003 | 2.62 | 0.08 |
| -162 | 5.737 | 5.75   | 5.9375 | 0.09375 | .035 | 145.72 | 0.89 | .103 | .003 | 2.62 | 0.08 |
| -163 | 5.987 | 6.0    | 6.1875 | 0.09375 | .035 | 152.07 | 0.89 | .103 | .003 | 2.62 | 0.08 |
| -164 | 6.237 | 6.25   | 6.4375 | 0.09375 | .040 | 158.42 | 1.02 | .103 | .003 | 2.62 | 0.08 |
| -165 | 6.487 | 6.5    | 6.6875 | 0.09375 | .040 | 164.77 | 1.02 | .103 | .003 | 2.62 | 0.08 |
| -166 | 6.737 | 6.75   | 6.9375 | 0.09375 | .040 | 171.12 | 1.02 | .103 | .003 | 2.62 | 0.08 |
| -167 | 6.987 | 7.0    | 7.1875 | 0.09375 | .040 | 177.47 | 1.02 | .103 | .003 | 2.62 | 0.08 |
| -168 | 7.237 | 7.25   | 7.4375 | 0.09375 | .045 | 183.82 | 1.14 | .103 | .003 | 2.62 | 0.08 |
| -169 | 7.487 | 7.5    | 7.6875 | 0.09375 | .045 | 190.17 | 1.14 | .103 | .003 | 2.62 | 0.08 |
| -170 | 7.737 | 7.75   | 7.9375 | 0.09375 | .045 | 196.52 | 1.14 | .103 | .003 | 2.62 | 0.08 |
| -171 | 7.987 | 8.0    | 8.1875 | 0.09375 | .045 | 202.87 | 1.14 | .103 | .003 | 2.62 | 0.08 |
| -172 | 8.237 | 8.25   | 8.4375 | 0.09375 | .050 | 209.22 | 1.27 | .103 | .003 | 2.62 | 0.08 |
| -173 | 8.487 | 8.5    | 8.6875 | 0.09375 | .050 | 215.57 | 1.27 | .103 | .003 | 2.62 | 0.08 |
| -174 | 8.737 | 8.75   | 8.9375 | 0.09375 | .050 | 221.92 | 1.27 | .103 | .003 | 2.62 | 0.08 |
| -175 | 8.987 | 9.0    | 9.1875 | 0.09375 | .050 | 228.27 | 1.27 | .103 | .003 | 2.62 | 0.08 |
| -176 | 9.237 | 9.25   | 9.4375 | 0.09375 | .055 | 234.62 | 1.40 | .103 | .003 | 2.62 | 0.08 |
| -177 | 9.487 | 9.5    | 9.6875 | 0.09375 | .055 | 240.97 | 1.40 | .103 | .003 | 2.62 | 0.08 |
| -178 | 9.737 | 9.75   | 9.9375 | 0.09375 | .055 | 247.32 | 1.40 | .103 | .003 | 2.62 | 0.08 |
| -201 | .171  | 0.1875 | 0.4375 | 0.125   | .007 | 4.34   | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -202 | .234  | 0.25   | 0.5    | 0.125   | .007 | 5.94   | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -203 | .296  | 0.3125 | 0.5625 | 0.125   | .007 | 7.52   | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -204 | .359  | 0.375  | 0.625  | 0.125   | .007 | 9.12   | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -205 | .421  | 0.4375 | 0.6875 | 0.125   | .007 | 10.69  | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -206 | .484  | 0.50   | 0.75   | 0.125   | .007 | 12.29  | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -207 | .546  | 0.5625 | 0.8125 | 0.125   | .007 | 13.87  | 0.18 | .139 | .004 | 3.53 | 0.10 |
| -208 | .609  | 0.625  | 0.875  | 0.125   | .009 | 15.47  | 0.23 | .139 | .004 | 3.53 | 0.10 |
| -209 | .671  | 0.6875 | 0.9375 | 0.125   | .009 | 17.04  | 0.23 | .139 | .004 | 3.53 | 0.10 |
| -210 | .734  | 0.75   | 1.0    | 0.125   | .010 | 18.66  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -211 | .796  | 0.8125 | 1.0625 | 0.125   | .010 | 20.22  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -212 | .859  | 0.875  | 1.125  | 0.125   | .010 | 21.82  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -213 | .921  | 0.9375 | 1.1875 | 0.125   | .010 | 23.40  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -214 | .984  | 1.0    | 1.25   | 0.125   | .010 | 25.00  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -215 | 1.046 | 1.0625 | 1.3125 | 0.125   | .010 | 26.58  | 0.25 | .139 | .004 | 3.53 | 0.10 |
| -216 | 1.109 | 1.125  | 1.375  | 0.125   | .012 | 28.17  | 0.30 | .139 | .004 | 3.53 | 0.10 |
| -217 | 1.171 | 1.1875 | 1.4375 | 0.125   | .012 | 29.75  | 0.30 | .139 | .004 | 3.53 | 0.10 |
| -218 | 1.234 | 1.25   | 1.5    | 0.125   | .012 | 31.35  | 0.30 | .139 | .004 | 3.53 | 0.10 |
| -219 | 1.296 | 1.3125 | 1.5625 | 0.125   | .012 | 32.92  | 0.30 | .139 | .004 | 3.53 | 0.10 |
| -220 | 1.359 | 1.375  | 1.625  | 0.125   | .012 | 34.52  | 0.30 | .139 | .004 | 3.53 | 0.10 |

|      |       |        |        |       |      |        |      |      |      |      |      |
|------|-------|--------|--------|-------|------|--------|------|------|------|------|------|
| -221 | 1.421 | 1.4375 | 1.6875 | 0.125 | .012 | 36.09  | 0.30 | .139 | .004 | 3.53 | 0.10 |
| -222 | 1.484 | 1.5    | 1.75   | 0.125 | .015 | 37.70  | 0.38 | .139 | .004 | 3.53 | 0.10 |
| -223 | 1.609 | 1.625  | 1.875  | 0.125 | .015 | 40.87  | 0.38 | .139 | .004 | 3.53 | 0.10 |
| -224 | 1.734 | 1.75   | 2.0    | 0.125 | .015 | 44.04  | 0.38 | .139 | .004 | 3.53 | 0.10 |
| -225 | 1.859 | 1.875  | 2.125  | 0.125 | .018 | 47.22  | 0.46 | .139 | .004 | 3.53 | 0.10 |
| -226 | 1.984 | 2.0    | 2.25   | 0.125 | .018 | 50.39  | 0.46 | .139 | .004 | 3.53 | 0.10 |
| -227 | 2.109 | 2.125  | 2.375  | 0.125 | .018 | 53.57  | 0.46 | .139 | .004 | 3.53 | 0.10 |
| -228 | 2.234 | 2.25   | 2.5    | 0.125 | .020 | 56.74  | 0.51 | .139 | .004 | 3.53 | 0.10 |
| -229 | 2.359 | 2.375  | 2.625  | 0.125 | .020 | 59.92  | 0.51 | .139 | .004 | 3.53 | 0.10 |
| -230 | 2.484 | 2.5    | 2.75   | 0.125 | .020 | 63.09  | 0.51 | .139 | .004 | 3.53 | 0.10 |
| -231 | 2.609 | 2.625  | 2.875  | 0.125 | .020 | 66.27  | 0.51 | .139 | .004 | 3.53 | 0.10 |
| -232 | 2.734 | 2.75   | 3.0    | 0.125 | .024 | 69.44  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -233 | 2.859 | 2.875  | 3.125  | 0.125 | .024 | 72.62  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -234 | 2.984 | 3.0    | 3.25   | 0.125 | .024 | 75.79  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -235 | 3.109 | 3.125  | 3.375  | 0.125 | .024 | 78.97  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -236 | 3.234 | 3.25   | 3.5    | 0.125 | .024 | 82.14  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -237 | 3.359 | 3.375  | 3.625  | 0.125 | .024 | 85.32  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -238 | 3.484 | 3.5    | 3.75   | 0.125 | .024 | 88.49  | 0.61 | .139 | .004 | 3.53 | 0.10 |
| -239 | 3.609 | 3.625  | 3.875  | 0.125 | .028 | 91.67  | 0.71 | .139 | .004 | 3.53 | 0.10 |
| -240 | 3.734 | 3.75   | 4.0    | 0.125 | .028 | 94.84  | 0.71 | .139 | .004 | 3.53 | 0.10 |
| -241 | 3.859 | 3.875  | 4.125  | 0.125 | .028 | 98.02  | 0.71 | .139 | .004 | 3.53 | 0.10 |
| -242 | 3.984 | 4.0    | 4.25   | 0.125 | .028 | 101.19 | 0.71 | .139 | .004 | 3.53 | 0.10 |
| -243 | 4.109 | 4.125  | 4.375  | 0.125 | .028 | 104.37 | 0.71 | .139 | .004 | 3.53 | 0.10 |
| -244 | 4.234 | 4.25   | 4.5    | 0.125 | .030 | 107.54 | 0.76 | .139 | .004 | 3.53 | 0.10 |
| -245 | 4.359 | 4.375  | 4.625  | 0.125 | .030 | 110.72 | 0.76 | .139 | .004 | 3.53 | 0.10 |
| -246 | 4.484 | 4.5    | 4.75   | 0.125 | .030 | 113.89 | 0.76 | .139 | .004 | 3.53 | 0.10 |
| -247 | 4.609 | 4.625  | 4.875  | 0.125 | .030 | 117.07 | 0.76 | .139 | .004 | 3.53 | 0.10 |
| -248 | 4.734 | 4.75   | 5.0    | 0.125 | .030 | 120.24 | 0.76 | .139 | .004 | 3.53 | 0.10 |
| -249 | 4.859 | 4.875  | 5.125  | 0.125 | .035 | 123.42 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -250 | 4.984 | 5.0    | 5.25   | 0.125 | .035 | 126.59 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -251 | 5.109 | 5.125  | 5.375  | 0.125 | .035 | 129.77 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -252 | 5.234 | 5.25   | 5.5    | 0.125 | .035 | 132.94 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -253 | 5.359 | 5.375  | 5.625  | 0.125 | .035 | 136.12 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -254 | 5.484 | 5.5    | 5.75   | 0.125 | .035 | 139.29 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -255 | 5.609 | 5.625  | 5.875  | 0.125 | .035 | 142.47 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -256 | 5.734 | 5.75   | 6.0    | 0.125 | .035 | 145.64 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -257 | 5.859 | 5.875  | 6.125  | 0.125 | .035 | 148.82 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -258 | 5.984 | 6.0    | 6.25   | 0.125 | .035 | 151.99 | 0.89 | .139 | .004 | 3.53 | 0.10 |
| -259 | 6.234 | 6.25   | 6.5    | 0.125 | .040 | 158.34 | 1.02 | .139 | .004 | 3.53 | 0.10 |
| -260 | 6.484 | 6.5    | 6.75   | 0.125 | .040 | 164.69 | 1.02 | .139 | .004 | 3.53 | 0.10 |
| -261 | 6.734 | 6.75   | 7.0    | 0.125 | .040 | 171.04 | 1.02 | .139 | .004 | 3.53 | 0.10 |
| -262 | 6.984 | 7.0    | 7.25   | 0.125 | .040 | 177.39 | 1.02 | .139 | .004 | 3.53 | 0.10 |
| -263 | 7.234 | 7.25   | 7.5    | 0.125 | .045 | 183.74 | 1.14 | .139 | .004 | 3.53 | 0.10 |
| -264 | 7.484 | 7.5    | 7.75   | 0.125 | .045 | 190.09 | 1.14 | .139 | .004 | 3.53 | 0.10 |
| -265 | 7.734 | 7.75   | 8.0    | 0.125 | .045 | 196.44 | 1.14 | .139 | .004 | 3.53 | 0.10 |
| -266 | 7.984 | 8.0    | 8.25   | 0.125 | .045 | 202.79 | 1.14 | .139 | .004 | 3.53 | 0.10 |
| -267 | 8.234 | 8.25   | 8.5    | 0.125 | .050 | 209.14 | 1.27 | .139 | .004 | 3.53 | 0.10 |
| -268 | 8.484 | 8.5    | 8.75   | 0.125 | .050 | 215.49 | 1.27 | .139 | .004 | 3.53 | 0.10 |
| -269 | 8.734 | 8.75   | 9.0    | 0.125 | .050 | 221.84 | 1.27 | .139 | .004 | 3.53 | 0.10 |
| -270 | 8.984 | 9.0    | 9.25   | 0.125 | .050 | 228.19 | 1.27 | .139 | .004 | 3.53 | 0.10 |

|      |        |        |        |        |      |        |      |      |      |      |      |
|------|--------|--------|--------|--------|------|--------|------|------|------|------|------|
| -271 | 9.234  | 9.25   | 9.5    | 0.125  | .055 | 234.54 | 1.40 | .139 | .004 | 3.53 | 0.10 |
| -272 | 9.484  | 9.5    | 9.75   | 0.125  | .055 | 240.89 | 1.40 | .139 | .004 | 3.53 | 0.10 |
| -273 | 9.734  | 9.75   | 10.0   | 0.125  | .055 | 247.24 | 1.40 | .139 | .004 | 3.53 | 0.10 |
| -274 | 9.984  | 10.0   | 10.25  | 0.125  | .055 | 253.59 | 1.40 | .139 | .004 | 3.53 | 0.10 |
| -275 | 10.484 | 10.5   | 10.75  | 0.125  | .055 | 266.29 | 1.40 | .139 | .004 | 3.53 | 0.10 |
| -276 | 10.984 | 11.0   | 11.25  | 0.125  | .065 | 278.99 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -277 | 11.484 | 11.5   | 11.75  | 0.125  | .065 | 291.69 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -278 | 11.984 | 12.0   | 12.25  | 0.125  | .065 | 304.39 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -279 | 12.984 | 13.0   | 13.25  | 0.125  | .065 | 329.79 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -280 | 13.984 | 14.0   | 14.25  | 0.125  | .065 | 355.19 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -281 | 14.984 | 15.0   | 15.25  | 0.125  | .065 | 380.59 | 1.65 | .139 | .004 | 3.53 | 0.10 |
| -282 | 15.955 | 16.0   | 16.25  | 0.125  | .075 | 405.26 | 1.90 | .139 | .004 | 3.53 | 0.10 |
| -283 | 16.955 | 17.0   | 17.25  | 0.125  | .080 | 430.66 | 2.16 | .139 | .004 | 3.53 | 0.10 |
| -284 | 17.955 | 18.0   | 18.25  | 0.125  | .085 | 456.05 | 2.42 | .139 | .004 | 3.53 | 0.10 |
| -309 | .412   | 0.4375 | 0.8125 | 0.1875 | .005 | 10.46  | 0.13 | .210 | .005 | 5.33 | 0.13 |
| -310 | .475   | 0.50   | 0.875  | 0.1875 | .005 | 12.07  | 0.13 | .210 | .005 | 5.33 | 0.13 |
| -311 | .537   | 0.5625 | 0.9375 | 0.1875 | .007 | 13.64  | 0.18 | .210 | .005 | 5.33 | 0.13 |
| -312 | .600   | 0.625  | 1.0    | 0.1875 | .009 | 15.24  | 0.23 | .210 | .005 | 5.33 | 0.13 |
| -313 | .662   | 0.6875 | 1.0625 | 0.1875 | .009 | 16.81  | 0.23 | .210 | .005 | 5.33 | 0.13 |
| -314 | .725   | 0.75   | 1.125  | 0.1875 | .010 | 18.42  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -315 | .787   | 0.8125 | 1.1875 | 0.1875 | .010 | 19.99  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -316 | .850   | 0.875  | 1.25   | 0.1875 | .010 | 21.59  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -317 | .912   | 0.9375 | 1.3125 | 0.1875 | .010 | 23.16  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -318 | .975   | 1.0    | 1.375  | 0.1875 | .010 | 24.77  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -319 | 1.037  | 1.0625 | 1.4375 | 0.1875 | .010 | 26.34  | 0.25 | .210 | .005 | 5.33 | 0.13 |
| -320 | 1.100  | 1.125  | 1.5    | 0.1875 | .012 | 27.94  | 0.30 | .210 | .005 | 5.33 | 0.13 |
| -321 | 1.162  | 1.1875 | 1.5625 | 0.1875 | .012 | 29.51  | 0.30 | .210 | .005 | 5.33 | 0.13 |
| -322 | 1.225  | 1.25   | 1.625  | 0.1875 | .012 | 31.12  | 0.30 | .210 | .005 | 5.33 | 0.13 |
| -323 | 1.287  | 1.3125 | 1.6875 | 0.1875 | .012 | 32.69  | 0.30 | .210 | .005 | 5.33 | 0.13 |
| -324 | 1.350  | 1.375  | 1.75   | 0.1875 | .012 | 34.29  | 0.30 | .210 | .005 | 5.33 | 0.13 |
| -325 | 1.475  | 1.5    | 1.875  | 0.1875 | .015 | 37.47  | 0.38 | .210 | .005 | 5.33 | 0.13 |
| -326 | 1.600  | 1.625  | 2.0    | 0.1875 | .015 | 40.64  | 0.38 | .210 | .005 | 5.33 | 0.13 |
| -327 | 1.725  | 1.75   | 2.125  | 0.1875 | .015 | 43.82  | 0.38 | .210 | .005 | 5.33 | 0.13 |
| -328 | 1.850  | 1.875  | 2.25   | 0.1875 | .015 | 46.99  | 0.38 | .210 | .005 | 5.33 | 0.13 |
| -329 | 1.975  | 2.0    | 2.375  | 0.1875 | .018 | 50.17  | 0.46 | .210 | .005 | 5.33 | 0.13 |
| -330 | 2.100  | 2.125  | 2.5    | 0.1875 | .018 | 53.34  | 0.46 | .210 | .005 | 5.33 | 0.13 |
| -331 | 2.225  | 2.25   | 2.625  | 0.1875 | .018 | 56.52  | 0.46 | .210 | .005 | 5.33 | 0.13 |
| -332 | 2.350  | 2.375  | 2.75   | 0.1875 | .018 | 59.69  | 0.46 | .210 | .005 | 5.33 | 0.13 |
| -333 | 2.475  | 2.5    | 2.875  | 0.1875 | .020 | 62.87  | 0.51 | .210 | .005 | 5.33 | 0.13 |
| -334 | 2.600  | 2.625  | 3.0    | 0.1875 | .020 | 66.04  | 0.51 | .210 | .005 | 5.33 | 0.13 |
| -335 | 2.725  | 2.75   | 3.125  | 0.1875 | .020 | 69.22  | 0.51 | .210 | .005 | 5.33 | 0.13 |
| -336 | 2.850  | 2.875  | 3.25   | 0.1875 | .020 | 72.39  | 0.51 | .210 | .005 | 5.33 | 0.13 |
| -337 | 2.975  | 3.0    | 3.375  | 0.1875 | .024 | 75.57  | 0.61 | .210 | .005 | 5.33 | 0.13 |
| -338 | 3.100  | 3.125  | 3.5    | 0.1875 | .024 | 78.74  | 0.61 | .210 | .005 | 5.33 | 0.13 |
| -339 | 3.225  | 3.25   | 3.625  | 0.1875 | .024 | 81.92  | 0.61 | .210 | .005 | 5.33 | 0.13 |
| -340 | 3.350  | 3.375  | 3.75   | 0.1875 | .024 | 85.09  | 0.61 | .210 | .005 | 5.33 | 0.13 |
| -341 | 3.475  | 3.5    | 3.875  | 0.1875 | .024 | 88.27  | 0.61 | .210 | .005 | 5.33 | 0.13 |
| -342 | 3.600  | 3.625  | 4.0    | 0.1875 | .028 | 91.44  | 0.71 | .210 | .005 | 5.33 | 0.13 |
| -343 | 3.725  | 3.75   | 4.125  | 0.1875 | .028 | 94.62  | 0.71 | .210 | .005 | 5.33 | 0.13 |
| -344 | 3.850  | 3.875  | 4.25   | 0.1875 | .028 | 97.79  | 0.71 | .210 | .005 | 5.33 | 0.13 |



|      |        |       |        |        |      |        |      |      |      |      |      |
|------|--------|-------|--------|--------|------|--------|------|------|------|------|------|
| -345 | 3.975  | 4.0   | 4.375  | 0.1875 | .028 | 100.97 | 0.71 | .210 | .005 | 5.33 | 0.13 |
| -346 | 4.100  | 4.125 | 4.5    | 0.1875 | .028 | 104.14 | 0.71 | .210 | .005 | 5.33 | 0.13 |
| -347 | 4.225  | 4.25  | 4.625  | 0.1875 | .030 | 107.32 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -348 | 4.350  | 4.375 | 4.75   | 0.1875 | .030 | 110.49 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -349 | 4.475  | 4.5   | 4.875  | 0.1875 | .030 | 113.67 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -350 | 4.600  | 4.625 | 5.0    | 0.1875 | .030 | 116.84 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -351 | 4.725  | 4.75  | 5.125  | 0.1875 | .030 | 120.02 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -352 | 4.850  | 4.875 | 5.25   | 0.1875 | .030 | 123.19 | 0.76 | .210 | .005 | 5.33 | 0.13 |
| -353 | 4.975  | 5.0   | 5.375  | 0.1875 | .037 | 126.37 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -354 | 5.100  | 5.125 | 5.5    | 0.1875 | .037 | 129.54 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -355 | 5.225  | 5.25  | 5.625  | 0.1875 | .037 | 132.72 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -356 | 5.350  | 5.375 | 5.75   | 0.1875 | .037 | 135.89 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -357 | 5.475  | 5.5   | 5.875  | 0.1875 | .037 | 139.07 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -358 | 5.600  | 5.625 | 6.0    | 0.1875 | .037 | 142.24 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -359 | 5.725  | 5.75  | 6.125  | 0.1875 | .037 | 145.42 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -360 | 5.850  | 5.875 | 6.25   | 0.1875 | .037 | 148.49 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -361 | 5.975  | 6.0   | 6.375  | 0.1875 | .037 | 151.77 | 0.94 | .210 | .005 | 5.33 | 0.13 |
| -362 | 6.225  | 6.25  | 6.625  | 0.1875 | .040 | 158.12 | 1.02 | .210 | .005 | 5.33 | 0.13 |
| -363 | 6.475  | 6.5   | 6.875  | 0.1875 | .040 | 164.47 | 1.02 | .210 | .005 | 5.33 | 0.13 |
| -364 | 6.725  | 6.75  | 7.125  | 0.1875 | .040 | 170.82 | 1.02 | .210 | .005 | 5.33 | 0.13 |
| -365 | 6.975  | 7.0   | 7.375  | 0.1875 | .040 | 177.17 | 1.02 | .210 | .005 | 5.33 | 0.13 |
| -366 | 7.225  | 7.25  | 7.625  | 0.1875 | .045 | 183.52 | 1.14 | .210 | .005 | 5.33 | 0.13 |
| -367 | 7.475  | 7.5   | 7.875  | 0.1875 | .045 | 189.87 | 1.14 | .210 | .005 | 5.33 | 0.13 |
| -368 | 7.725  | 7.75  | 8.125  | 0.1875 | .045 | 196.22 | 1.14 | .210 | .005 | 5.33 | 0.13 |
| -369 | 7.975  | 8.0   | 8.375  | 0.1875 | .045 | 202.57 | 1.14 | .210 | .005 | 5.33 | 0.13 |
| -370 | 8.225  | 8.25  | 8.625  | 0.1875 | .050 | 208.92 | 1.14 | .210 | .005 | 5.33 | 0.13 |
| -371 | 8.475  | 8.5   | 8.875  | 0.1875 | .050 | 215.27 | 1.30 | .210 | .005 | 5.33 | 0.13 |
| -372 | 8.725  | 8.75  | 9.125  | 0.1875 | .050 | 221.62 | 1.30 | .210 | .005 | 5.33 | 0.13 |
| -373 | 8.975  | 9.0   | 9.375  | 0.1875 | .050 | 227.97 | 1.30 | .210 | .005 | 5.33 | 0.13 |
| -374 | 9.225  | 9.25  | 9.625  | 0.1875 | .055 | 234.32 | 1.40 | .210 | .005 | 5.33 | 0.13 |
| -375 | 9.475  | 9.5   | 9.875  | 0.1875 | .055 | 240.67 | 1.40 | .210 | .005 | 5.33 | 0.13 |
| -376 | 9.725  | 9.75  | 10.125 | 0.1875 | .055 | 247.02 | 1.40 | .210 | .005 | 5.33 | 0.13 |
| -377 | 9.975  | 10.0  | 10.375 | 0.1875 | .055 | 253.37 | 1.40 | .210 | .005 | 5.33 | 0.13 |
| -378 | 10.475 | 10.5  | 10.875 | 0.1875 | .060 | 266.07 | 1.52 | .210 | .005 | 5.33 | 0.13 |
| -379 | 10.975 | 11.0  | 11.375 | 0.1875 | .060 | 278.77 | 1.52 | .210 | .005 | 5.33 | 0.13 |
| -380 | 11.475 | 11.5  | 11.875 | 0.1875 | .055 | 291.47 | 1.65 | .210 | .005 | 5.33 | 0.13 |
| -381 | 11.975 | 12.0  | 12.375 | 0.1875 | .065 | 304.17 | 1.65 | .210 | .005 | 5.33 | 0.13 |
| -382 | 12.975 | 13.0  | 13.375 | 0.1875 | .065 | 329.57 | 1.65 | .210 | .005 | 5.33 | 0.13 |
| -383 | 13.975 | 14.0  | 14.375 | 0.1875 | .070 | 354.97 | 1.78 | .210 | .005 | 5.33 | 0.13 |
| -384 | 14.975 | 15.0  | 15.375 | 0.1875 | .070 | 380.37 | 1.78 | .210 | .005 | 5.33 | 0.13 |
| -385 | 15.955 | 16.0  | 16.375 | 0.1875 | .075 | 405.26 | 1.90 | .210 | .005 | 5.33 | 0.13 |
| -386 | 16.955 | 17.0  | 17.375 | 0.1875 | .075 | 430.66 | 1.90 | .210 | .005 | 5.33 | 0.13 |
| -387 | 17.955 | 18.0  | 18.375 | 0.1875 | .080 | 456.06 | 2.15 | .210 | .005 | 5.33 | 0.13 |
| -388 | 18.952 | 19.0  | 19.375 | 0.1875 | .090 | 481.38 | 2.25 | .210 | .005 | 5.33 | 0.13 |
| -389 | 19.952 | 20.0  | 20.375 | 0.1875 | .090 | 506.78 | 2.25 | .210 | .005 | 5.33 | 0.13 |
| -390 | 20.952 | 21.0  | 21.375 | 0.1875 | .090 | 532.18 | 2.25 | .210 | .005 | 5.33 | 0.13 |
| -391 | 21.952 | 22.0  | 22.375 | 0.1875 | .100 | 557.58 | 2.25 | .210 | .005 | 5.33 | 0.13 |
| -392 | 22.940 | 23.0  | 23.375 | 0.1875 | .105 | 582.68 | 2.75 | .210 | .005 | 5.33 | 0.13 |
| -393 | 23.940 | 24.0  | 24.375 | 0.1875 | .110 | 608.08 | 2.80 | .210 | .005 | 5.33 | 0.13 |
| -394 | 24.940 | 25.0  | 25.375 | 0.1875 | .115 | 633.48 | 2.90 | .210 | .005 | 5.33 | 0.13 |

|      |        |       |        |        |      |        |       |      |      |      |      |
|------|--------|-------|--------|--------|------|--------|-------|------|------|------|------|
| -395 | 25.940 | 26.0  | 26.375 | 0.1875 | .120 | 658.88 | 3.05  | .210 | .005 | 5.33 | 0.13 |
| -400 | 1.350  | 1.375 | 1.875  | 0.25   | .010 | 34.29  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -401 | 1.475  | 1.5   | 2.0    | 0.25   | .010 | 37.46  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -402 | 1.600  | 1.625 | 2.125  | 0.25   | .010 | 40.64  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -403 | 1.725  | 1.75  | 2.25   | 0.25   | .010 | 43.81  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -404 | 1.850  | 1.875 | 2.375  | 0.25   | .010 | 46.99  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -405 | 1.975  | 2.0   | 2.5    | 0.25   | .010 | 50.16  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -406 | 2.100  | 2.125 | 2.625  | 0.25   | .010 | 53.34  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -407 | 2.225  | 2.25  | 2.75   | 0.25   | .010 | 56.51  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -408 | 2.350  | 2.375 | 2.875  | 0.25   | .010 | 59.69  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -409 | 2.475  | 2.5   | 3.0    | 0.25   | .010 | 62.86  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -410 | 2.600  | 2.625 | 3.125  | 0.25   | .010 | 66.04  | 0.254 | .275 | .006 | 6.99 | 0.15 |
| -411 | 2.725  | 2.75  | 3.25   | 0.25   | .015 | 69.21  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -412 | 2.850  | 2.875 | 3.375  | 0.25   | .015 | 72.39  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -413 | 2.975  | 3.0   | 3.5    | 0.25   | .015 | 75.56  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -414 | 3.100  | 3.125 | 3.625  | 0.25   | .015 | 78.74  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -415 | 3.225  | 3.25  | 3.75   | 0.25   | .015 | 81.91  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -416 | 3.350  | 3.375 | 3.875  | 0.25   | .015 | 85.09  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -417 | 3.475  | 3.5   | 4.0    | 0.25   | .015 | 88.26  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -418 | 3.600  | 3.625 | 4.125  | 0.25   | .015 | 91.44  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -419 | 3.725  | 3.75  | 4.25   | 0.25   | .015 | 94.61  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -420 | 3.850  | 3.875 | 4.375  | 0.25   | .015 | 97.79  | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -421 | 3.975  | 4.0   | 4.5    | 0.25   | .015 | 100.96 | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -422 | 4.100  | 4.125 | 4.625  | 0.25   | .015 | 104.14 | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -423 | 4.225  | 4.25  | 4.75   | 0.25   | .015 | 107.31 | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -424 | 4.350  | 4.375 | 4.875  | 0.25   | .015 | 110.49 | 0.381 | .275 | .006 | 6.99 | 0.15 |
| -425 | 4.475  | 4.5   | 5.0    | 0.25   | .033 | 113.67 | 0.84  | .275 | .006 | 6.99 | 0.15 |
| -426 | 4.600  | 4.625 | 5.125  | 0.25   | .033 | 116.84 | 0.84  | .275 | .006 | 6.99 | 0.15 |
| -427 | 4.725  | 4.75  | 5.25   | 0.25   | .033 | 120.02 | 0.84  | .275 | .006 | 6.99 | 0.15 |
| -428 | 4.850  | 4.875 | 5.375  | 0.25   | .033 | 123.19 | 0.84  | .275 | .006 | 6.99 | 0.15 |
| -429 | 4.975  | 5.0   | 5.5    | 0.25   | .037 | 126.37 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -430 | 5.100  | 5.125 | 5.625  | 0.25   | .037 | 129.54 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -431 | 5.225  | 5.25  | 5.75   | 0.25   | .037 | 132.72 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -432 | 5.350  | 5.375 | 5.875  | 0.25   | .037 | 135.89 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -433 | 5.475  | 5.5   | 6.0    | 0.25   | .037 | 139.07 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -434 | 5.600  | 5.625 | 6.125  | 0.25   | .037 | 142.24 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -435 | 5.725  | 5.75  | 6.25   | 0.25   | .037 | 145.42 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -436 | 5.850  | 5.875 | 6.375  | 0.25   | .037 | 148.59 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -437 | 5.975  | 6.0   | 6.5    | 0.25   | .037 | 151.77 | 0.94  | .275 | .006 | 6.99 | 0.15 |
| -438 | 6.225  | 6.25  | 6.75   | 0.25   | .040 | 158.12 | 1.02  | .275 | .006 | 6.99 | 0.15 |
| -439 | 6.475  | 6.5   | 7.0    | 0.25   | .040 | 164.47 | 1.02  | .275 | .006 | 6.99 | 0.15 |
| -440 | 6.725  | 6.75  | 7.25   | 0.25   | .040 | 170.82 | 1.02  | .275 | .006 | 6.99 | 0.15 |
| -441 | 6.975  | 7.0   | 7.5    | 0.25   | .040 | 177.17 | 1.02  | .275 | .006 | 6.99 | 0.15 |
| -442 | 7.225  | 7.25  | 7.75   | 0.25   | .045 | 183.52 | 1.14  | .275 | .006 | 6.99 | 0.15 |
| -443 | 7.475  | 7.5   | 8.0    | 0.25   | .045 | 189.87 | 1.14  | .275 | .006 | 6.99 | 0.15 |
| -444 | 7.725  | 7.75  | 8.25   | 0.25   | .045 | 196.22 | 1.14  | .275 | .006 | 6.99 | 0.15 |
| -445 | 7.975  | 8.0   | 8.5    | 0.25   | .045 | 202.57 | 1.14  | .275 | .006 | 6.99 | 0.15 |
| -446 | 8.475  | 8.5   | 9.0    | 0.25   | .055 | 215.27 | 1.40  | .275 | .006 | 6.99 | 0.15 |
| -447 | 8.975  | 9.0   | 9.5    | 0.25   | .055 | 227.97 | 1.40  | .275 | .006 | 6.99 | 0.15 |
| -448 | 9.475  | 9.5   | 10.0   | 0.25   | .055 | 240.67 | 1.40  | .275 | .006 | 6.99 | 0.15 |

|      |        |      |      |      |      |        |      |      |      |      |      |
|------|--------|------|------|------|------|--------|------|------|------|------|------|
| -449 | 9.975  | 10.0 | 10.5 | 0.25 | .055 | 253.37 | 1.40 | .275 | .006 | 6.99 | 0.15 |
| -450 | 10.475 | 10.5 | 11.0 | 0.25 | .060 | 266.07 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -451 | 10.975 | 11.0 | 11.5 | 0.25 | .060 | 278.77 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -452 | 11.475 | 11.5 | 12.0 | 0.25 | .060 | 291.47 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -453 | 11.975 | 12.0 | 12.5 | 0.25 | .060 | 304.17 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -454 | 12.475 | 12.5 | 13.0 | 0.25 | .060 | 316.87 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -455 | 12.975 | 13.0 | 13.5 | 0.25 | .060 | 329.57 | 1.52 | .275 | .006 | 6.99 | 0.15 |
| -456 | 13.475 | 13.5 | 14.0 | 0.25 | .070 | 342.27 | 1.78 | .275 | .006 | 6.99 | 0.15 |
| -457 | 13.975 | 14.0 | 14.5 | 0.25 | .070 | 354.97 | 1.78 | .275 | .006 | 6.99 | 0.15 |
| -458 | 14.475 | 14.5 | 15.0 | 0.25 | .070 | 367.67 | 1.78 | .275 | .006 | 6.99 | 0.15 |
| -459 | 14.975 | 15.0 | 15.5 | 0.25 | .070 | 380.37 | 1.78 | .275 | .006 | 6.99 | 0.15 |
| -460 | 15.475 | 15.5 | 16.0 | 0.25 | .070 | 393.07 | 1.78 | .275 | .006 | 6.99 | 0.15 |
| -461 | 15.955 | 16.0 | 16.5 | 0.25 | .075 | 405.26 | 1.90 | .275 | .006 | 6.99 | 0.15 |
| -462 | 16.455 | 16.5 | 17.0 | 0.25 | .075 | 417.96 | 1.90 | .275 | .006 | 6.99 | 0.15 |
| -463 | 16.955 | 17.0 | 17.5 | 0.25 | .080 | 430.66 | 2.05 | .275 | .006 | 6.99 | 0.15 |
| -464 | 17.455 | 17.5 | 18.0 | 0.25 | .085 | 443.36 | 2.15 | .275 | .006 | 6.99 | 0.15 |
| -465 | 17.955 | 18.0 | 18.5 | 0.25 | .085 | 456.06 | 2.15 | .275 | .006 | 6.99 | 0.15 |
| -466 | 18.455 | 18.5 | 19.0 | 0.25 | .085 | 468.76 | 2.15 | .275 | .006 | 6.99 | 0.15 |
| -467 | 18.955 | 19.0 | 19.5 | 0.25 | .090 | 481.46 | 2.25 | .275 | .006 | 6.99 | 0.15 |
| -468 | 19.455 | 19.5 | 20.0 | 0.25 | .090 | 494.16 | 2.25 | .275 | .006 | 6.99 | 0.15 |
| -469 | 19.955 | 20.0 | 20.5 | 0.25 | .090 | 506.86 | 2.25 | .275 | .006 | 6.99 | 0.15 |
| -470 | 20.955 | 21.0 | 21.5 | 0.25 | .090 | 532.26 | 2.25 | .275 | .006 | 6.99 | 0.15 |
| -471 | 21.955 | 22.0 | 22.5 | 0.25 | .100 | 557.66 | 2.55 | .275 | .006 | 6.99 | 0.15 |
| -472 | 22.940 | 23.0 | 23.5 | 0.25 | .105 | 582.68 | 2.65 | .275 | .006 | 6.99 | 0.15 |
| -473 | 23.940 | 24.0 | 24.5 | 0.25 | .110 | 608.08 | 2.80 | .275 | .006 | 6.99 | 0.15 |
| -474 | 24.940 | 25.0 | 25.5 | 0.25 | .115 | 633.48 | 2.90 | .275 | .006 | 6.99 | 0.15 |
| -475 | 25.940 | 26.0 | 26.5 | 0.25 | .120 | 658.88 | 3.05 | .275 | .006 | 6.99 | 0.15 |