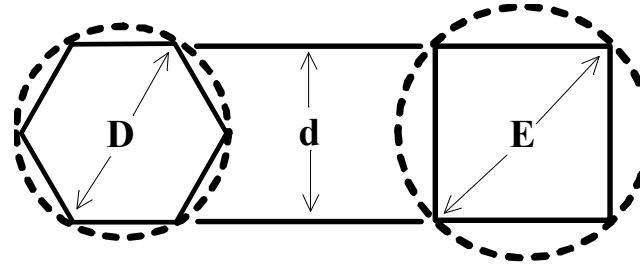


Sizes of Rounds Required to Make Hexagons or Squares

D = 1.1547 x d



E = 1.4142 x d

| d | D | E | d | D | E | d | D | E | d | D | E | d | D | E |
|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|
| | | | 1.0000 | 1.1547 | 1.4142 | 2.0000 | 2.3094 | 2.8284 | 3.0000 | 3.4641 | 4.2426 | 4.0000 | 4.6188 | 5.6568 |
| | | | 1.0313 | 1.190784 | 1.458394 | 2.0313 | 2.345484 | 2.872594 | 3.0313 | 3.500184 | 4.286794 | 4.0313 | 4.654884 | 5.700994 |
| | | | 1.0625 | 1.226869 | 1.502588 | 2.0625 | 2.381569 | 2.916788 | 3.0625 | 3.536269 | 4.330988 | 4.0625 | 4.690969 | 5.745188 |
| | | | 1.0938 | 1.262953 | 1.546781 | 2.0938 | 2.417653 | 2.960981 | 3.0938 | 3.572353 | 4.375181 | 4.0938 | 4.727053 | 5.789381 |
| | | | 1.1250 | 1.299038 | 1.590975 | 2.1250 | 2.453738 | 3.005175 | 3.1250 | 3.608438 | 4.419375 | 4.1250 | 4.763138 | 5.833575 |
| | | | 1.1563 | 1.335122 | 1.635169 | 2.1563 | 2.489822 | 3.049369 | 3.1563 | 3.644522 | 4.463569 | 4.1563 | 4.799222 | 5.877769 |
| | | | 1.1875 | 1.371206 | 1.679363 | 2.1875 | 2.525906 | 3.093563 | 3.1875 | 3.680606 | 4.507763 | 4.1875 | 4.835306 | 5.921963 |
| | | | 1.2188 | 1.407291 | 1.723556 | 2.2188 | 2.561991 | 3.137756 | 3.2188 | 3.716691 | 4.551956 | 4.2188 | 4.871391 | 5.966156 |
| 0.2500 | 0.288675 | 0.353555 | 1.2500 | 1.443375 | 1.76775 | 2.2500 | 2.598075 | 3.18195 | 3.2500 | 3.752775 | 4.59615 | 4.2500 | 4.907475 | 6.01035 |
| 0.2813 | 0.324759 | 0.397744 | 1.2813 | 1.479459 | 1.811944 | 2.2813 | 2.634159 | 3.226144 | 3.2813 | 3.788859 | 4.640344 | 4.2813 | 4.943559 | 6.054544 |
| 0.3125 | 0.360844 | 0.441938 | 1.3125 | 1.515544 | 1.856138 | 2.3125 | 2.670244 | 3.270338 | 3.3125 | 3.824944 | 4.684538 | 4.3125 | 4.979644 | 6.098738 |
| 0.3438 | 0.396928 | 0.486131 | 1.3438 | 1.551628 | 1.900331 | 2.3438 | 2.706328 | 3.314531 | 3.3438 | 3.861028 | 4.728731 | 4.3438 | 5.015728 | 6.142931 |
| 0.3750 | 0.433013 | 0.530325 | 1.3750 | 1.587713 | 1.944525 | 2.3750 | 2.742413 | 3.358725 | 3.3750 | 3.897113 | 4.772925 | 4.3750 | 5.051813 | 6.187125 |
| 0.4063 | 0.469097 | 0.574519 | 1.4063 | 1.623797 | 1.988719 | 2.4063 | 2.778497 | 3.402919 | 3.4063 | 3.933197 | 4.817119 | 4.4063 | 5.087897 | 6.231319 |
| 0.4375 | 0.505181 | 0.618713 | 1.4375 | 1.659881 | 2.032913 | 2.4375 | 2.814581 | 3.447113 | 3.4375 | 3.969281 | 4.861313 | 4.4375 | 5.123981 | 6.275513 |
| 0.4688 | 0.541266 | 0.662906 | 1.4688 | 1.695966 | 2.077106 | 2.4688 | 2.850666 | 3.491306 | 3.4688 | 4.005366 | 4.905506 | 4.4688 | 5.160066 | 6.319706 |
| 0.5000 | 0.57735 | 0.7071 | 1.5000 | 1.73205 | 2.1213 | 2.5000 | 2.88675 | 3.5355 | 3.5000 | 4.04145 | 4.9497 | 4.5000 | 5.19615 | 6.3639 |
| 0.5313 | 0.613434 | 0.751294 | 1.5313 | 1.768134 | 2.165494 | 2.5313 | 2.922834 | 3.579694 | 3.5313 | 4.077534 | 4.993894 | 4.5313 | 5.232234 | 6.408094 |
| 0.5625 | 0.649519 | 0.795488 | 1.5625 | 1.804219 | 2.209688 | 2.5625 | 2.958919 | 3.623888 | 3.5625 | 4.113619 | 5.038088 | 4.5625 | 5.268319 | 6.452288 |
| 0.5938 | 0.685603 | 0.839681 | 1.5938 | 1.840303 | 2.253881 | 2.5938 | 2.995003 | 3.668081 | 3.5938 | 4.149703 | 5.082281 | 4.5938 | 5.304403 | 6.496481 |
| 0.6250 | 0.721688 | 0.883875 | 1.6250 | 1.876388 | 2.298075 | 2.6250 | 3.031088 | 3.712275 | 3.6250 | 4.185788 | 5.126475 | 4.6250 | 5.340488 | 6.540675 |
| 0.6563 | 0.757772 | 0.928069 | 1.6563 | 1.912472 | 2.342269 | 2.6563 | 3.067172 | 3.756469 | 3.6563 | 4.221872 | 5.170669 | 4.6563 | 5.376572 | 6.584869 |
| 0.6875 | 0.793856 | 0.972263 | 1.6875 | 1.948556 | 2.386463 | 2.6875 | 3.103256 | 3.800663 | 3.6875 | 4.257956 | 5.214863 | 4.6875 | 5.412656 | 6.629063 |
| 0.7188 | 0.829941 | 1.016456 | 1.7188 | 1.984641 | 2.430656 | 2.7188 | 3.139341 | 3.844856 | 3.7188 | 4.294041 | 5.259056 | 4.7188 | 5.448741 | 6.673256 |
| 0.7500 | 0.866025 | 1.06065 | 1.7500 | 2.020725 | 2.47485 | 2.7500 | 3.175425 | 3.88905 | 3.7500 | 4.330125 | 5.30325 | 4.7500 | 5.484825 | 6.71745 |
| 0.7813 | 0.902109 | 1.104844 | 1.7813 | 2.056809 | 2.519044 | 2.7813 | 3.211509 | 3.933244 | 3.7813 | 4.366209 | 5.347444 | 4.7813 | 5.520909 | 6.761644 |
| 0.8125 | 0.938194 | 1.149038 | 1.8125 | 2.092894 | 2.563238 | 2.8125 | 3.247594 | 3.977438 | 3.8125 | 4.402294 | 5.391638 | 4.8125 | 5.556994 | 6.805838 |
| 0.8438 | 0.974278 | 1.193231 | 1.8438 | 2.128978 | 2.607431 | 2.8438 | 3.283678 | 4.021631 | 3.8438 | 4.438378 | 5.435831 | 4.8438 | 5.593078 | 6.850031 |
| 0.8750 | 1.010363 | 1.237425 | 1.8750 | 2.165063 | 2.651625 | 2.8750 | 3.319763 | 4.065825 | 3.8750 | 4.474463 | 5.480025 | 4.8750 | 5.629163 | 6.894225 |
| 0.9063 | 1.046447 | 1.281619 | 1.9063 | 2.201147 | 2.695819 | 2.9063 | 3.355847 | 4.110019 | 3.9063 | 4.510547 | 5.524219 | 4.9063 | 5.665247 | 6.938419 |
| 0.9375 | 1.082531 | 1.325813 | 1.9375 | 2.237231 | 2.740013 | 2.9375 | 3.391931 | 4.154213 | 3.9375 | 4.546631 | 5.568413 | 4.9375 | 5.701331 | 6.982613 |
| 0.9688 | 1.118616 | 1.370006 | 1.9688 | 2.273316 | 2.784206 | 2.9688 | 3.428016 | 4.198406 | 3.9688 | 4.582716 | 5.612606 | 4.9688 | 5.737416 | 7.026806 |