



CORE BIT RPM CHART

| Bit Diameter | Min. Rpm | Max. Rpm | Ideal Rpm |
|--------------|----------|----------|-----------|
| Inches | 600 SFM | 1042 SFM | 833 SFM |
| 1/2" | 4775 | 7960 | 6364 |
| 5/8" | 3820 | 6368 | 5091 |
| 3/4" | 3183 | 5307 | 4242 |
| 7/8" | 2728 | 4549 | 3636 |
| 1" | 2387 | 3980 | 3182 |
| 1-1/8" | 2122 | 3538 | 2828 |
| 1-3/8" | 1736 | 2895 | 2314 |
| 1-1/2" | 1592 | 2653 | 2121 |
| 1-5/8" | 1469 | 2449 | 1958 |
| 1-3/4" | 1364 | 2274 | 1818 |
| 1-7/8" | 1273 | 2123 | 1697 |
| 2" | 1194 | 1990 | 1591 |
| 2-1/4" | 1061 | 1769 | 1414 |
| 2-1/2" | 955 | 1592 | 1273 |
| 2-7/8" | 868 | 1447 | 1157 |
| 3" | 796 | 1327 | 1061 |
| 3-1/4" | 735 | 1225 | 979 |
| 3-1/2" | 682 | 1137 | 909 |
| 3-3/4" | 637 | 1061 | 848 |
| 4" | 597 | 995 | 795 |
| 4-1/4" | 562 | 937 | 749 |
| 4-1/2" | 531 | 884 | 707 |
| 4-3/4" | 503 | 838 | 670 |
| 5" | 477 | 796 | 636 |
| 5-1/2" | 434 | 724 | 579 |
| 6" | 398 | 663 | 530 |
| 6-1/2" | 367 | 612 | 490 |
| 7" | 341 | 569 | 455 |
| 7-1/2" | 318 | 531 | 424 |
| 8" | 298 | 498 | 398 |
| 8-1/2" | 281 | 468 | 374 |
| 9" | 265 | 442 | 354 |
| 9-1/2" | 251 | 419 | 335 |
| 10" | 239 | 398 | 318 |
| 10-1/2" | 227 | 379 | 303 |
| 11" | 217 | 362 | 289 |
| 11-1/2" | 208 | 346 | 277 |
| 12" | 199 | 332 | 265 |

| Bit Diameter | Min. Rpm | Max. Rpm | Ideal Rpm |
|--------------|----------|----------|-----------|
| Inches | 600 SFM | 1042 SFM | 833 SFM |
| 14" | 171 | 284 | 227 |
| 15" | 159 | 265 | 212 |
| 16" | 149 | 249 | 199 |
| 17" | 140 | 234 | 187 |
| 18" | 133 | 221 | 177 |
| 19" | 126 | 209 | 167 |
| 20" | 119 | 199 | 159 |
| 21" | 114 | 190 | 152 |
| 22" | 109 | 181 | 145 |
| 23" | 104 | 173 | 138 |
| 24" | 99 | 166 | 133 |
| 25" | 95 | 159 | 127 |
| 26" | 92 | 153 | 122 |
| 27" | 88 | 147 | 118 |
| 28" | 85 | 142 | 114 |
| 29" | 82 | 137 | 110 |
| 30" | 80 | 133 | 106 |
| 31" | 77 | 128 | 103 |
| 32" | 75 | 124 | 99 |
| 33" | 72 | 121 | 96 |
| 34" | 70 | 117 | 94 |
| 35" | 68 | 114 | 91 |
| 36" | 66 | 111 | 88 |
| 37" | 65 | 108 | 86 |
| 38" | 63 | 105 | 84 |
| 39" | 61 | 102 | 82 |
| 40" | 60 | 100 | 80 |
| 41" | 58 | 97 | 78 |
| 42" | 57 | 95 | 76 |
| 43" | 56 | 93 | 74 |
| 44" | 54 | 90 | 72 |
| 45" | 53 | 88 | 71 |
| 46" | 52 | 87 | 69 |
| 47" | 51 | 85 | 68 |
| 48" | 50 | 83 | 66 |
| 49" | 49 | 81 | 65 |
| 50" | 48 | 80 | 64 |
| 51" | 47 | 78 | 62 |
| 52" | 46 | 77 | 61 |

DIAMOND PRODUCTS

333 Prospect St.
 Elyria, Ohio 44035
 440-323-4616
 Fax: 440-323-8689
www.diamondproducts.com



800-321-5336