














General Purpose Jobber Length Parabolic Flute Drills

Styles QC21P, QC21G

| | | |
|------|---|---|
| | HSS | HSS |
| | ANSI | ANSI |
| | 4XD | 4XD |
| | 135° | 135° |
| |  |  |
| |  |  |
| |  |  |
| |  |  |
| |  |  |
| |  |  |
| |  |  |
| | QC21P | QC21G |
| | 1/16 - 11/16 | 1/16 - 1/2 |
| | 102 | 102 |
| 1.1 | 98F | 115F |
| 1.2 | 59F | 69F |
| 1.3 | 66H | 75H |
| 1.4 | 59F | 69F |
| 1.5 | 46D | 56D |
| 1.6 | | |
| 1.7 | | |
| 1.8 | | |
| 2.1 | 89H | 105H |
| 2.2 | 49F | 59F |
| 2.3 | 49D | 59D |
| 2.4 | | |
| 3.1 | 151H | 171H |
| 3.2 | 79H | 89H |
| 3.3 | 79F | 95F |
| 3.4 | | 59D |
| 4.1 | 89H | |
| 4.2 | 49F | |
| 4.3 | | |
| 5.1 | 49F | 59H |
| 5.2 | | |
| 5.3 | | |
| 6.1 | 89I | 98I |
| 6.2 | 79H | 89H |
| 6.3 | 79H | 89H |
| 6.4 | | |
| 7.1 | 351H | 400H |
| 7.2 | 325H | 351H |
| 7.3 | | |
| 7.4 | 276H | 315H |
| 8.1 | | |
| 8.2 | | |
| 8.3 | | |
| 9.1 | | |
| 10.1 | | |

How To Use This Chart:

1. Determine your Workpiece Material from the Application Material Groups (AMG) below.
2. Use the Icons to find Product Features.
3. Find the Surface Feet Per Minute (SFM) and Alpha Code
 - example: 361W
 - 361 = SFM
 - W = Alpha Code used to find your Feed Rate

Feed Rate Chart

| Alpha Code | Feed in Inches per Revolution (IPR) ± 25% | | | | | | | | | | | | | | | Ø Diameter | | | | |
|------------|---|---------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------|-----------------|-----------------|-------------|--|--|--|--|
| | 1mm/ 1/32" | 2mm/ 3/32" | 3mm/ 1/8" | 4mm/ 5/32" | 5mm/ 3/16" | 6mm/ 1/4" | 8mm/ 5/16" | 10mm/ 3/8" | 12mm/ 1/2" | 15mm/ 9/16" | 16mm/ 5/8" | 20mm/ 3/4" | 25mm/ 1" | 30mm/ 1.1/8" | 40mm/ 1.5/8" | 50mm/ 2" | | | | |
| A | 0.0004 | 0.0009 | 0.0011 | 0.0013 | 0.0014 | 0.0017 | 0.0021 | 0.0024 | 0.0027 | 0.0032 | 0.0034 | 0.0043 | 0.0049 | 0.0053 | 0.0061 | 0.0069 | | | | |
| B | 0.0006 | 0.0011 | 0.0015 | 0.0016 | 0.0018 | 0.0021 | 0.0026 | 0.0031 | 0.0035 | 0.0041 | 0.0043 | 0.0053 | 0.0060 | 0.0065 | 0.0074 | 0.0082 | | | | |
| C | 0.0006 | 0.0013 | 0.0017 | 0.0020 | 0.0022 | 0.0025 | 0.0031 | 0.0039 | 0.0043 | 0.0049 | 0.0051 | 0.0063 | 0.0071 | 0.0077 | 0.0087 | 0.0094 | | | | |
| D | 0.0006 | 0.0015 | 0.0021 | 0.0024 | 0.0027 | 0.0031 | 0.0039 | 0.0047 | 0.0051 | 0.0059 | 0.0061 | 0.0074 | 0.0083 | 0.0090 | 0.0100 | 0.0108 | | | | |
| E | 0.0007 | 0.0017 | 0.0024 | 0.0028 | 0.0031 | 0.0037 | 0.0045 | 0.0055 | 0.0059 | 0.0068 | 0.0071 | 0.0085 | 0.0094 | 0.0102 | 0.0112 | 0.0122 | | | | |
| F | 0.0007 | 0.0020 | 0.0029 | 0.0033 | 0.0037 | 0.0043 | 0.0054 | 0.0065 | 0.0070 | 0.0080 | 0.0083 | 0.0098 | 0.0108 | 0.0116 | 0.0126 | 0.0135 | | | | |
| G | 0.0007 | 0.0022 | 0.0033 | 0.0038 | 0.0043 | 0.0050 | 0.0063 | 0.0075 | 0.0081 | 0.0091 | 0.0094 | 0.0110 | 0.0122 | 0.0130 | 0.0140 | 0.0148 | | | | |
| H | 0.0008 | 0.0026 | 0.0040 | 0.0046 | 0.0051 | 0.0059 | 0.0075 | 0.0090 | 0.0096 | 0.0107 | 0.0110 | 0.0126 | 0.0140 | 0.0148 | 0.0157 | 0.0165 | | | | |
| I | 0.0008 | 0.0030 | 0.0047 | 0.0053 | 0.0059 | 0.0068 | 0.0087 | 0.0104 | 0.0110 | 0.0122 | 0.0126 | 0.0142 | 0.0157 | 0.0165 | 0.0173 | 0.0181 | | | | |
| J | 0.0009 | 0.0033 | 0.0053 | 0.0060 | 0.0067 | 0.0078 | 0.0098 | 0.0117 | 0.0124 | 0.0137 | 0.0142 | 0.0159 | 0.0175 | 0.0183 | 0.0191 | 0.0198 | | | | |
| K | 0.0010 | 0.0036 | 0.0059 | 0.0067 | 0.0075 | 0.0087 | 0.0110 | 0.0130 | 0.0138 | 0.0153 | 0.0157 | 0.0177 | 0.0193 | 0.0201 | 0.0209 | 0.0215 | | | | |
| L | 0.0011 | 0.0040 | 0.0065 | 0.0073 | 0.0082 | 0.0094 | 0.0120 | 0.0142 | 0.0152 | 0.0165 | 0.0169 | 0.0191 | 0.0207 | 0.0215 | 0.0224 | 0.0231 | | | | |
| M | 0.0012 | 0.0043 | 0.0071 | 0.0080 | 0.0089 | 0.0102 | 0.0130 | 0.0154 | 0.0165 | 0.0177 | 0.0181 | 0.0205 | 0.0220 | 0.0228 | 0.0238 | 0.0248 | | | | |
| N | 0.0013 | 0.0047 | 0.0077 | 0.0086 | 0.0095 | 0.0110 | 0.0140 | 0.0165 | 0.0179 | 0.0189 | 0.0193 | 0.0219 | 0.0234 | 0.0242 | 0.0253 | 0.0265 | | | | |
| S | 0.0003 | 0.0006 | 0.0008 | 0.0010 | 0.0012 | 0.0015 | 0.0020 | 0.0031 | 0.0039 | 0.0048 | 0.0051 | 0.0059 | 0.0070 | 0.0070 | 0.0090 | | | | | |
| T | 0.0006 | 0.0011 | 0.0016 | 0.0020 | 0.0024 | 0.0028 | 0.0035 | 0.0043 | 0.0051 | 0.0063 | 0.0067 | 0.0075 | 0.0080 | 0.0090 | 0.0100 | | | | | |
| U | 0.0010 | 0.0019 | 0.0028 | 0.0031 | 0.0035 | 0.0042 | 0.0055 | 0.0067 | 0.0079 | 0.0088 | 0.0091 | 0.0094 | 0.0110 | 0.0120 | 0.0140 | | | | | |
| V | 0.0015 | 0.0027 | 0.0039 | 0.0045 | 0.0051 | 0.0060 | 0.0079 | 0.0098 | 0.0110 | 0.0122 | 0.0126 | 0.0134 | 0.0160 | 0.0170 | 0.0200 | | | | | |
| W | 0.0019 | 0.0035 | 0.0051 | 0.0059 | 0.0067 | 0.0079 | 0.0102 | 0.0130 | 0.0150 | 0.0165 | 0.0169 | 0.0177 | 0.0190 | 0.0190 | 0.0200 | | | | | |
| X | 0.0022 | 0.0041 | 0.0059 | 0.0071 | 0.0083 | 0.0098 | 0.0130 | 0.0165 | 0.0189 | 0.0210 | 0.0217 | 0.0228 | | | | | | | | |
| Y | 0.0027 | 0.0049 | 0.0071 | 0.0087 | 0.0102 | 0.0125 | 0.0169 | 0.0217 | 0.0276 | 0.0276 | 0.0276 | 0.0291 | | | | | | | | |
| Z | 0.0037 | 0.0068 | 0.0098 | 0.0128 | 0.0157 | 0.0210 | 0.0315 | 0.0394 | 0.0433 | 0.0463 | 0.0472 | 0.0472 | | | | | | | | |

How To Use This Chart to Find Cutting Feed Rate (IPR):

1. Find your Alpha Code on the AMG Chart (example: 279 U : U is the Alpha Code)
2. Find the closest diameter for your cutting application on the chart to find your IPR

| Application Material Groups (AMG) | | Hardness HRC | ISO | |
|-----------------------------------|--|--|------------|-----|
| 1. Steel | 1.1 Magnetic soft steel | 12L14, 12L15 | <120 HB | P 1 |
| | 1.2 Structural Steel/ case carburising steel | 1005-1025, 1214, 1215, A36 | <200 HB | P 1 |
| | 1.3 Plain Carbon steel | 1030-1060, 1050-1060, 1144-1146 | <24 | P 2 |
| | 1.4 Alloy steel | 4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420 | <24 | P 3 |
| | 1.5 Alloy steel/ Hardened and tempered steel | 4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420 | >24<38 | P 4 |
| | 1.6 Alloy steel/ Hardened and tempered steel | 4140,4340,52100,8620 H11-H41,A2,D2,01,P20,420 | >38 | H 1 |
| | 1.7 Alloy steel Hardened | A2-D2, H10-H41, L1-L6, M1-M42, T1 | 49-55 | H 3 |
| | 1.8 Alloy steel Hardened | A2-D2, H10-H41, L1-L6, M1-M42, T1 | 55-63 | H 4 |
| 2. Stainless Steel | 2.1 Free machining Stainless Steel | 200, 303, 416, 420F, 430F, 440 | <24 | M 1 |
| | 2.2 Austenitic | 301, 302, 304, 316, 321, 330, CUSTOM 455, AM-350 | <24 | M 3 |
| | 2.3 Ferritic + Austenitic, Martensitic | 318-329, 400-446, DUPLEX | <32 | M 2 |
| | 2.4 Precipitation Hardened | 15-5PH, Custom 450 17-4PH | <32 | S 2 |
| 3. Cast Iron | 3.1 Lamellar graphite | Grey, G10, Gg40, J431C, A48 CLASS 20 | <150 HB | K 1 |
| | 3.2 Lamellar graphite | Grey, GG25-Gg40, J158, A48 CLASS 40-60 | >150 HB<32 | K 2 |
| | 3.3 Nodular graphite/ Malleable Cast Iron | A220, A436, A439, A602, Black, GGG40-GGG70 | <200 HB | K 3 |
| | 3.4 Nodular graphite/ Malleable Cast Iron | Black Gts/Gtw, J434C | >200 HB<32 | K 4 |
| 4. Titanium | 4.1 Titanium, unalloyed | Commercially Pure | <200 HB | S 1 |
| | 4.2 Titanium, alloyed | 6Al4V, 6A14V-2Sn, Monel, Monel K | <28 | S 2 |
| | 4.3 Titanium, alloyed | 6Al4V-4Mo, 7A14V-4Mo, 4911-4967 | >28<38 | S 3 |
| 5. Nickel | 5.1 Nickel, unalloyed | Commercially Pure, 17644, 200, 5553 | <150 HB | S 1 |
| | 5.2 Nickel, alloyed | Monel 400, Hastelloy C, Inconel 625, Waspaloy | <28 | S 2 |
| | 5.3 Nickel, alloyed | Inconel 718,Nimonic 75-95,Rene 41,Inconel 825,A286 | >28<38 | S 3 |
| 6. Copper | 6.1 Copper | Commercially Pure | <100 HB | N 3 |
| | 6.2 β-Brass, Bronze | 314-340, 350-370 | <200 HB | N 4 |
| | 6.3 α-Brass | Alloyed Cu + Al + Fe, Long Chipping | <200 HB | N 3 |
| | 6.4 High Strength Bronze | Ampco 18-25 | <49 | N 4 |
| 7. Aluminium Magnesium | 7.1 Al, Mg, unalloyed | Commercially Pure | <100 HB | N 1 |
| | 7.2 Al alloyed, Si<0.5% | 6061 T6, 7075, 314-340 | <150 HB | N 1 |
| | 7.3 Al alloyed, Si>0.5%<10% | 6061 T6, 380-390 | <120 HB | N 1 |
| | 7.4 Al alloyed, Si>10% Mg alloys | Magnesium Whisker Reinforced | <120 HB | N 2 |
| 8. Synthetic Materials | 8.1 Thermoplastics | Ultradim, Polystrol | --- | O |
| | 8.2 Thermosetting plastics | Bakelit, Pertinax | --- | O |
| | 8.3 Reinforced plastic materials | CFK, GFKAFK | --- | O |
| 9. Hard Mat. | 9.1 Cermets (Metal-ceramics) | Ferrotic | <54 | H |
| 10. Graphite | 10.1 Standard graphite | | --- | O |

JOBBER DRILL

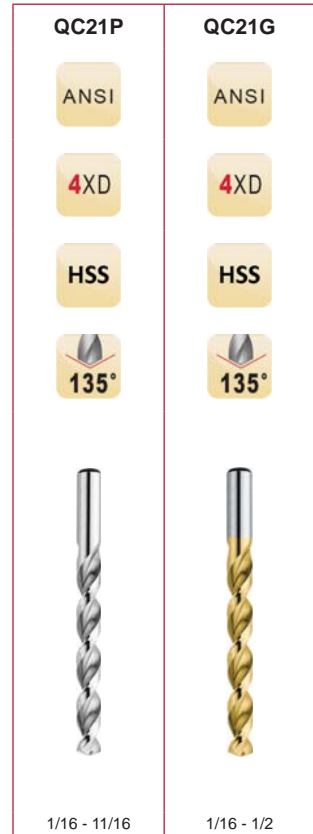
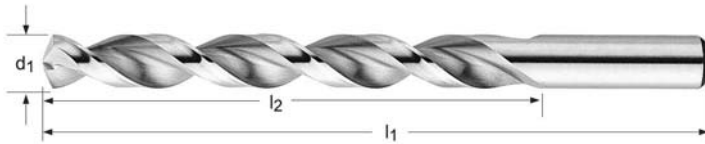


General Purpose Jobber Length Parabolic Flute

Heavy-Duty Parabolic Flute design for efficient chip removal. Allows greater drilling depths in one pass. Low thrust design self centering Split Point for easier penetration.

QC21P Bright Finish improves chip flow in soft or non-ferrous materials.

QC21G TiN Coating increases wear resistance and improves tool life.



| d_1 Ø "/Nr./letter | d_1 decimal Inch | l_2 Inch | l_1 Inch | Pack Qty | QC21P | QC21G |
|----------------------------|--------------------------|---------------|---------------|-------------|--------|--------|
| 1/16 | 0.0625 | 7/8 | 1.7/8 | 12 | 015804 | 081704 |
| 52 | 0.0635 | 7/8 | 1.7/8 | 12 | 019452 | 080552 |
| 51 | 0.0670 | 1" | 2" | 12 | 019451 | 080551 |
| 50 | 0.0700 | 1" | 2" | 12 | 019450 | 080550 |
| 49 | 0.0730 | 1" | 2" | 12 | 019449 | 080549 |
| 48 | 0.0760 | 1" | 2" | 12 | 019448 | 080548 |
| 5/64 | 0.0781 | 1" | 2" | 12 | 015805 | 081705 |
| 47 | 0.0785 | 1" | 2" | 12 | 019447 | 080547 |
| 46 | 0.0810 | 1.1/8 | 2.1/8 | 12 | 019446 | 080546 |
| 45 | 0.0820 | 1.1/8 | 2.1/8 | 12 | 019445 | 080545 |
| 44 | 0.0860 | 1.1/8 | 2.1/8 | 12 | 019444 | 080544 |
| 43 | 0.0890 | 1.1/4 | 2.1/4 | 12 | 019443 | 080543 |
| 42 | 0.0935 | 1.1/4 | 2.1/4 | 12 | 019442 | 080542 |
| 3/32 | 0.0938 | 1.1/4 | 2.1/4 | 12 | 015806 | 081706 |
| 41 | 0.0960 | 1.3/8 | 2.3/8 | 12 | 019441 | 080541 |
| 40 | 0.0980 | 1.3/8 | 2.3/8 | 12 | 019440 | 080540 |
| 39 | 0.0995 | 1.3/8 | 2.3/8 | 12 | 019439 | 080539 |
| 38 | 0.1015 | 1.7/16 | 2.1/2 | 12 | 019438 | 080538 |
| 37 | 0.1040 | 1.7/16 | 2.1/2 | 12 | 019437 | 080537 |
| 36 | 0.1065 | 1.7/16 | 2.1/2 | 12 | 019436 | 080536 |
| 7/64 | 0.1094 | 1.1/2 | 2.5/8 | 12 | 015807 | 081707 |
| 35 | 0.1100 | 1.1/2 | 2.5/8 | 12 | 019435 | 080535 |
| 34 | 0.1110 | 1.1/2 | 2.5/8 | 12 | 019434 | 080534 |
| 33 | 0.1130 | 1.1/2 | 2.5/8 | 12 | 019433 | 080533 |
| 32 | 0.1160 | 1.5/8 | 2.3/4 | 12 | 019432 | 080532 |
| 31 | 0.1200 | 1.5/8 | 2.3/4 | 12 | 019431 | 080531 |
| 1/8 | 0.1250 | 1.5/8 | 2.3/4 | 12 | 015808 | 081708 |
| 30 | 0.1285 | 1.5/8 | 2.3/4 | 12 | 019430 | 080530 |
| 29 | 0.1360 | 1.3/4 | 2.7/8 | 12 | 019429 | 080529 |
| 28 | 0.1405 | 1.3/4 | 2.7/8 | 12 | 019428 | 080528 |
| 9/64 | 0.1406 | 1.3/4 | 2.7/8 | 12 | 015809 | 081709 |
| 27 | 0.1440 | 1.7/8 | 3" | 12 | 019427 | 080527 |
| 26 | 0.1470 | 1.7/8 | 3" | 12 | 019426 | 080526 |



JOBBER DRILL

| d ₁ Ø "/Nr./letter | d ₁ decimal Inch | l ₂ Inch | l ₁ Inch | Pack Qty | QC21P | QC21G |
|-------------------------------------|-----------------------------------|------------------------|------------------------|-------------|--------|--------|
| 25 | 0.1495 | 1.7/8 | 3" | 12 | 019425 | 080525 |
| 24 | 0.1520 | 2" | 3.1/8 | 12 | 019424 | 080524 |
| 23 | 0.1540 | 2" | 3.1/8 | 12 | 019423 | 080523 |
| 5/32 | 0.1563 | 2" | 3.1/8 | 12 | 015810 | 081710 |
| 22 | 0.1570 | 2" | 3.1/8 | 12 | 019422 | 080522 |
| 21 | 0.1590 | 2.1/8 | 3.1/4 | 12 | 019421 | 080521 |
| 20 | 0.1610 | 2.1/8 | 3.1/4 | 12 | 019420 | 080520 |
| 19 | 0.1660 | 2.1/8 | 3.1/4 | 12 | 019419 | 080519 |
| 18 | 0.1695 | 2.1/8 | 3.1/4 | 12 | 019418 | 080518 |
| 11/64 | 0.1719 | 2.1/8 | 3.1/4 | 12 | 015811 | 081711 |
| 17 | 0.1730 | 2.3/16 | 3.3/8 | 12 | 019417 | 080517 |
| 16 | 0.1770 | 2.3/16 | 3.3/8 | 12 | 019416 | 080516 |
| 15 | 0.1800 | 2.3/16 | 3.3/8 | 12 | 019415 | 080515 |
| 14 | 0.1820 | 2.3/16 | 3.3/8 | 12 | 019414 | 080514 |
| 13 | 0.1850 | 2.5/16 | 3.1/2 | 12 | 019413 | 080513 |
| 3/16 | 0.1875 | 2.5/16 | 3.1/2 | 12 | 015812 | 081712 |
| 12 | 0.1890 | 2.5/16 | 3.1/2 | 12 | 019412 | 080512 |
| 11 | 0.1910 | 2.5/16 | 3.1/2 | 12 | 019411 | 080511 |
| 10 | 0.1935 | 2.7/16 | 3.5/8 | 12 | 019410 | 080510 |
| 9 | 0.1960 | 2.7/16 | 3.5/8 | 12 | 019409 | 080509 |
| 8 | 0.1990 | 2.7/16 | 3.5/8 | 12 | 019408 | 080508 |
| 7 | 0.2010 | 2.7/16 | 3.5/8 | 12 | 019407 | 080507 |
| 13/64 | 0.2031 | 2.7/16 | 3.5/8 | 12 | 015813 | 081713 |
| 6 | 0.2040 | 2.1/2 | 3.3/4 | 12 | 019406 | 080506 |
| 5 | 0.2055 | 2.1/2 | 3.3/4 | 12 | 019405 | 080505 |
| 4 | 0.2090 | 2.1/2 | 3.3/4 | 12 | 019404 | 080504 |
| 3 | 0.2130 | 2.1/2 | 3.3/4 | 12 | 019403 | 080503 |
| 7/32 | 0.2188 | 2.1/2 | 3.3/4 | 12 | 015814 | 081714 |
| 2 | 0.2210 | 2.5/8 | 3.7/8 | 12 | 019402 | 080502 |
| 1 | 0.2280 | 2.5/8 | 3.7/8 | 12 | 019401 | 080501 |
| A | 0.2340 | 2.5/8 | 3.7/8 | 12 | 019301 | — |
| 15/64 | 0.2344 | 2.5/8 | 3.7/8 | 12 | 015815 | 081715 |
| B | 0.2374 | 2.3/4 | 4" | 12 | 019302 | — |
| C | 0.2421 | 2.3/4 | 4" | 12 | 019303 | — |
| D | 0.2461 | 2.3/4 | 4" | 12 | 019304 | — |
| 1/4 | 0.2500 | 2.3/4 | 4" | 12 | 015816 | 081716 |
| F | 0.2571 | 2.7/8 | 4.1/8 | 12 | 019306 | — |
| G | 0.2610 | 2.7/8 | 4.1/8 | 12 | 019307 | — |
| 17/64 | 0.2656 | 2.7/8 | 4.1/8 | 12 | 015817 | 081717 |
| H | 0.2661 | 2.7/8 | 4.1/8 | 12 | 019308 | — |
| I | 0.2720 | 2.7/8 | 4.1/8 | 12 | 019309 | — |
| J | 0.2772 | 2.7/8 | 4.1/8 | 12 | 019310 | — |
| K | 0.2811 | 2.15/16 | 4.1/4 | 12 | 019311 | — |
| 9/32 | 0.2813 | 2.15/16 | 4.1/4 | 12 | 015818 | 081718 |
| L | 0.2902 | 2.15/16 | 4.1/4 | 12 | 019312 | — |
| M | 0.2949 | 3.1/16 | 4.3/8 | 12 | 019313 | — |
| 19/64 | 0.2969 | 3.1/16 | 4.3/8 | 12 | 015819 | 081719 |
| N | 0.3020 | 3.1/16 | 4.3/8 | 12 | 019314 | — |
| 5/16 | 0.3125 | 3.3/16 | 4.1/2 | 6 | 015820 | 081720 |
| O | 0.3161 | 3.3/16 | 4.1/2 | 6 | 019315 | — |
| P | 0.3228 | 3.5/16 | 4.5/8 | 6 | 019316 | — |
| 21/64 | 0.3281 | 3.5/16 | 4.5/8 | 6 | 015821 | 081721 |
| Q | 0.3319 | 3.7/16 | 4.3/4 | 6 | 019317 | — |
| R | 0.3390 | 3.7/16 | 4.3/4 | 6 | 019318 | — |
| 11/32 | 0.3437 | 3.7/16 | 4.3/4 | 6 | 015822 | 081722 |
| S | 0.3480 | 3.1/2 | 4.7/8 | 6 | 019319 | — |
| T | 0.3580 | 3.1/2 | 4.7/8 | 6 | 019320 | — |
| 23/64 | 0.3594 | 3.1/2 | 4.7/8 | 6 | 015823 | 081723 |
| U | 0.3680 | 3.5/8 | 5" | 6 | 019321 | — |
| 3/8 | 0.3750 | 3.5/8 | 5" | 6 | 015824 | 081724 |
| V | 0.3772 | 3.5/8 | 5" | 6 | 019322 | — |
| W | 0.3858 | 3.3/4 | 5.1/8 | 6 | 019323 | — |
| 25/64 | 0.3906 | 3.3/4 | 5.1/8 | 6 | 015825 | 081725 |
| X | 0.3969 | 3.3/4 | 5.1/8 | 6 | 019324 | — |
| Y | 0.4039 | 3.7/8 | 5.1/4 | 6 | 019325 | — |
| 13/32 | 0.4063 | 3.7/8 | 5.1/4 | 6 | 015826 | 081726 |

JOBBER DRILL



| d_1 Ø "/Nr./letter | d_1 decimal Inch | l_2 Inch | l_1 Inch | Pack Qty | QC21P | QC21G |
|----------------------------|--------------------------|---------------|---------------|-------------|--------|--------|
| Z | 0.4130 | 3.7/8 | 5.1/4 | 6 | 019326 | — |
| 27/64 | 0.4219 | 3.15/16 | 5.3/8 | 6 | 015827 | 081727 |
| 7/16 | 0.4375 | 4.1/16 | 5.1/2 | 6 | 015828 | 081728 |
| 29/64 | 0.4531 | 4.3/16 | 5.5/8 | 6 | 015829 | 081729 |
| 15/32 | 0.4687 | 4.5/16 | 5.3/4 | 6 | 015830 | 081730 |
| 31/64 | 0.4844 | 4.3/8 | 5.7/8 | 6 | 015831 | 081731 |
| 1/2 | 0.5000 | 4.1/2 | 6" | 6 | 015832 | 081732 |
| 33/64 | 0.5156 | 4.13/16 | 6.5/8 | 1 | 015833 | — |
| 17/32 | 0.5313 | 4.13/16 | 6.5/8 | 1 | 015834 | — |
| 35/64 | 0.5469 | 4.13/16 | 6.5/8 | 1 | 015835 | — |
| 9/16 | 0.5625 | 4.13/16 | 6.5/8 | 1 | 015836 | — |
| 37/64 | 0.5781 | 4.13/16 | 6.5/8 | 1 | 015837 | — |
| 19/32 | 0.5937 | 5.3/16 | 7.1/8 | 1 | 015838 | — |
| 39/64 | 0.6094 | 5.3/16 | 7.1/8 | 1 | 015839 | — |
| 5/8 | 0.6250 | 5.3/16 | 7.1/8 | 1 | 015840 | — |
| 41/64 | 0.6406 | 5.3/16 | 7.1/8 | 1 | 015841 | — |
| 21/32 | 0.6563 | 5.3/16 | 7.1/8 | 1 | 015842 | — |
| 43/64 | 0.6719 | 5.5/8 | 7.5/8 | 1 | 015843 | — |
| 11/16 | 0.6875 | 5.5/8 | 7.5/8 | 1 | 015844 | — |