

**5xD**

Steam Oxide  
>2.36 mm dia.



External Coolant



Straight Shank

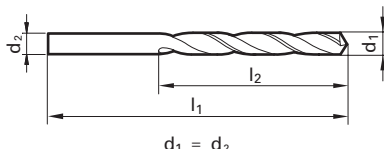
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# Series 205

## General Purpose

HSS, general purpose (Type N), jobber length, 118° point, Form A  
web thinned >2.36mm dia., standard straight shank, RH helix

Cut / Shank Dia. = h8 tolerance range



Application Materials:



General Steels / Brass



Universal Steels



Cast Iron

| Diameter (d1) |                |                  | l1<br>mm | l2<br>mm |
|---------------|----------------|------------------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch | Wire /<br>letter |          |          |
| 0.0083        |                | 91               | 0.210    | 19.00    |
| 0.0087        |                | 90               | 0.220    | 19.00    |
| 0.0091        |                | 89               | 0.230    | 19.00    |
| 0.0094        |                | 88               | 0.240    | 19.00    |
| 0.0098        |                | 87               | 0.250    | 19.00    |
| 0.0102        |                |                  | 0.260    | 19.00    |
| 0.0106        |                | 86               | 0.270    | 19.00    |
| 0.0110        |                | 85               | 0.280    | 19.00    |
| 0.0114        |                | 84               | 0.290    | 19.00    |
| 0.0118        |                |                  | 0.300    | 19.00    |
| 0.0122        |                | 83               | 0.310    | 19.00    |
| 0.0126        |                | 82               | 0.320    | 19.00    |
| 0.0130        |                | 81               | 0.330    | 19.00    |
| 0.0134        |                | 80               | 0.340    | 19.00    |
| 0.0138        |                |                  | 0.350    | 19.00    |
| 0.0142        |                |                  | 0.360    | 19.00    |
| 0.0146        |                | 79               | 0.370    | 19.00    |
| 0.0150        |                |                  | 0.380    | 19.00    |
| 0.0154        |                |                  | 0.390    | 20.00    |
| 0.0157        | 1/64           |                  | 0.400    | 20.00    |
| 0.0161        |                | 78               | 0.410    | 20.00    |
| 0.0165        |                |                  | 0.420    | 20.00    |
| 0.0169        |                |                  | 0.430    | 20.00    |
| 0.0173        |                |                  | 0.440    | 20.00    |
| 0.0177        |                |                  | 0.450    | 20.00    |
| 0.0181        |                | 77               | 0.460    | 20.00    |
| 0.0185        |                |                  | 0.470    | 20.00    |
| 0.0189        |                |                  | 0.480    | 20.00    |
| 0.0193        |                |                  | 0.490    | 22.00    |
| 0.0197        |                |                  | 0.500    | 22.00    |
| 0.0201        |                | 76               | 0.510    | 22.00    |
| 0.0205        |                |                  | 0.520    | 22.00    |
| 0.0209        |                | 75               | 0.530    | 22.00    |
| 0.0213        |                |                  | 0.540    | 24.00    |
| 0.0217        |                |                  | 0.550    | 24.00    |
| 0.0220        |                |                  | 0.560    | 24.00    |
| 0.0224        |                | 74               | 0.570    | 24.00    |
| 0.0228        |                |                  | 0.580    | 24.00    |
| 0.0232        |                |                  | 0.590    | 24.00    |
| 0.0236        |                |                  | 0.600    | 24.00    |
| 0.0240        |                | 73               | 0.610    | 26.00    |
| 0.0244        |                |                  | 0.620    | 26.00    |
| 0.0248        |                |                  | 0.630    | 26.00    |
| 0.0252        |                | 72               | 0.640    | 26.00    |
| 0.0256        |                |                  | 0.650    | 26.00    |
| 0.0260        |                | 71               | 0.660    | 26.00    |
| 0.0264        |                |                  | 0.670    | 26.00    |
| 0.0266        |                |                  | 0.675    | 28.00    |
| 0.0268        |                |                  | 0.680    | 28.00    |
| 0.0272        |                |                  | 0.690    | 28.00    |
| 0.0276        |                |                  | 0.700    | 28.00    |
| 0.0280        |                | 70               | 0.710    | 28.00    |
| 0.0283        |                |                  | 0.720    | 28.00    |
| 0.0287        |                |                  | 0.730    | 28.00    |

| Diameter (d1) |                |                  | l1<br>mm | l2<br>mm |
|---------------|----------------|------------------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch | Wire /<br>letter |          |          |
| 0.0291        |                | 69               | 0.740    | 28.00    |
| 0.0295        |                |                  | 0.750    | 28.00    |
| 0.0299        |                |                  | 0.760    | 30.00    |
| 0.0303        |                |                  | 0.770    | 30.00    |
| 0.0307        |                |                  | 0.780    | 30.00    |
| 0.0311        | 1/32           | 68               | 0.790    | 30.00    |
| 0.0315        |                |                  | 0.800    | 30.00    |
| 0.0319        |                | 67               | 0.810    | 30.00    |
| 0.0323        |                |                  | 0.820    | 30.00    |
| 0.0327        |                |                  | 0.830    | 30.00    |
| 0.0331        |                | 66               | 0.840    | 30.00    |
| 0.0335        |                |                  | 0.850    | 30.00    |
| 0.0339        |                |                  | 0.860    | 32.00    |
| 0.0343        |                |                  | 0.870    | 32.00    |
| 0.0346        |                |                  | 0.880    | 32.00    |
| 0.0350        |                | 65               | 0.890    | 32.00    |
| 0.0354        |                |                  | 0.900    | 32.00    |
| 0.0358        |                | 64               | 0.910    | 32.00    |
| 0.0362        |                |                  | 0.920    | 32.00    |
| 0.0366        |                |                  | 0.930    | 32.00    |
| 0.0370        |                | 63               | 0.940    | 32.00    |
| 0.0374        |                |                  | 0.950    | 32.00    |
| 0.0378        |                |                  | 0.960    | 34.00    |
| 0.0382        |                | 62               | 0.970    | 34.00    |
| 0.0386        |                |                  | 0.980    | 34.00    |
| 0.0390        |                | 61               | 0.990    | 34.00    |
| 0.0394        |                |                  | 1.000    | 34.00    |
| 0.0398        |                |                  | 1.010    | 34.00    |
| 0.0402        |                | 60               | 1.020    | 34.00    |
| 0.0406        |                |                  | 1.030    | 34.00    |
| 0.0409        |                | 59               | 1.040    | 34.00    |
| 0.0413        |                |                  | 1.050    | 34.00    |
| 0.0417        |                |                  | 1.060    | 34.00    |
| 0.0421        |                | 58               | 1.070    | 36.00    |
| 0.0425        |                |                  | 1.080    | 36.00    |
| 0.0429        |                | 57               | 1.090    | 36.00    |
| 0.0433        |                |                  | 1.100    | 36.00    |
| 0.0437        |                |                  | 1.110    | 36.00    |
| 0.0441        |                |                  | 1.120    | 36.00    |
| 0.0445        |                |                  | 1.130    | 36.00    |
| 0.0449        |                |                  | 1.140    | 36.00    |
| 0.0453        |                |                  | 1.150    | 36.00    |
| 0.0457        |                |                  | 1.160    | 36.00    |
| 0.0461        |                |                  | 1.170    | 36.00    |
| 0.0465        |                | 56               | 1.180    | 36.00    |
| 0.0469        | 3/64           |                  | 1.190    | 38.00    |
| 0.0472        |                |                  | 1.200    | 38.00    |
| 0.0476        |                |                  | 1.210    | 38.00    |
| 0.0480        |                |                  | 1.220    | 38.00    |
| 0.0484        |                |                  | 1.230    | 38.00    |
| 0.0488        |                |                  | 1.240    | 38.00    |
| 0.0492        |                |                  | 1.250    | 38.00    |
| 0.0496        |                |                  | 1.260    | 38.00    |
| 0.0500        |                |                  | 1.270    | 38.00    |

| Diameter (d1) |                |                  | l1<br>mm | l2<br>mm |
|---------------|----------------|------------------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch | Wire /<br>letter |          |          |
| 0.0504        |                |                  | 1.280    | 38.00    |
| 0.0508        |                |                  | 1.290    | 38.00    |
| 0.0512        |                |                  | 1.300    | 38.00    |
| 0.0516        |                |                  | 1.310    | 38.00    |
| 0.0520        |                | 55               | 1.320    | 38.00    |
| 0.0524        |                |                  | 1.330    | 40.00    |
| 0.0528        |                |                  | 1.340    | 40.00    |
| 0.0531        |                |                  | 1.350    | 40.00    |
| 0.0535        |                |                  | 1.360    | 40.00    |
| 0.0539        |                |                  | 1.370    | 40.00    |
| 0.0543        |                |                  | 1.380    | 40.00    |
| 0.0547        |                |                  | 1.390    | 40.00    |
| 0.0551        |                | 54               | 1.400    | 40.00    |
| 0.0555        |                |                  | 1.410    | 40.00    |
| 0.0559        |                |                  | 1.420    | 40.00    |
| 0.0563        |                |                  | 1.430    | 40.00    |
| 0.0567        |                |                  | 1.440    | 40.00    |
| 0.0571        |                |                  | 1.450    | 40.00    |
| 0.0575        |                |                  | 1.460    | 40.00    |
| 0.0579        |                |                  | 1.470    | 40.00    |
| 0.0583        |                |                  | 1.480    | 40.00    |
| 0.0587        |                |                  | 1.490    | 40.00    |
| 0.0591        |                |                  | 1.500    | 40.00    |
| 0.0594        |                | 53               | 1.510    | 43.00    |
| 0.0598        |                |                  | 1.520    | 43.00    |
| 0.0602        |                |                  | 1.530    | 43.00    |
| 0.0606        |                |                  | 1.540    | 43.00    |
| 0.0610        |                |                  | 1.550    | 43.00    |
| 0.0614        |                |                  | 1.560    | 43.00    |
| 0.0618        |                |                  | 1.570    | 43.00    |
| 0.0622        |                |                  | 1.580    | 43.00    |
| 0.0626        | 1/16           |                  | 1.590    | 43.00    |
| 0.0630        |                |                  | 1.600    | 43.00    |
| 0.0634        |                | 52               | 1.610    | 43.00    |
| 0.0638        |                |                  | 1.620    | 43.00    |
| 0.0642        |                |                  | 1.630    | 43.00    |
| 0.0646        |                |                  | 1.640    | 43.00    |
| 0.0650        |                |                  | 1.650    | 43.00    |
| 0.0654        |                |                  | 1.660    | 43.00    |
| 0.0657        |                |                  | 1.670    | 43.00    |
| 0.0661        |                |                  | 1.680    | 43.00    |
| 0.0665        |                |                  | 1.690    | 43.00    |
| 0.0669        |                | 51               | 1.700    | 43.00    |
| 0.0673        |                |                  | 1.710    | 46.00    |
| 0.0677        |                |                  | 1.720    | 46.00    |
| 0.0681        |                |                  | 1.730    | 46.00    |
| 0.0685        |                |                  | 1.740    | 46.00    |
| 0.0689        |                |                  | 1.750    | 46.00    |
| 0.0693        |                |                  | 1.760    | 46.00    |
| 0.0697        |                |                  | 1.770    | 46.00    |
| 0.0701        |                | 50               | 1.780    | 46.00    |
| 0.0705        |                |                  | 1.790    | 46.00    |
| 0.0709        |                |                  | 1.800    | 46.00    |
| 0.0713        |                |                  | 1.810    | 46.00    |

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| Diameter (d1) |             |               |       |       |       |
|---------------|-------------|---------------|-------|-------|-------|
| Dec. inch     | Fract. inch | Wire / letter | mm    | I1 mm | I2 mm |
| 0.0717        |             |               | 1.820 | 46.00 | 22.00 |
| 0.0720        |             |               | 1.830 | 46.00 | 22.00 |
| 0.0724        |             |               | 1.840 | 46.00 | 22.00 |
| 0.0728        |             | 49            | 1.850 | 46.00 | 22.00 |
| 0.0732        |             |               | 1.860 | 46.00 | 22.00 |
| 0.0736        |             |               | 1.870 | 46.00 | 22.00 |
| 0.0740        |             |               | 1.880 | 46.00 | 22.00 |
| 0.0744        |             |               | 1.890 | 46.00 | 22.00 |
| 0.0748        |             |               | 1.900 | 46.00 | 22.00 |
| 0.0752        |             |               | 1.910 | 49.00 | 24.00 |
| 0.0756        |             |               | 1.920 | 49.00 | 24.00 |
| 0.0760        |             | 48            | 1.930 | 49.00 | 24.00 |
| 0.0764        |             |               | 1.940 | 49.00 | 24.00 |
| 0.0768        |             |               | 1.950 | 49.00 | 24.00 |
| 0.0772        |             |               | 1.960 | 49.00 | 24.00 |
| 0.0776        |             |               | 1.970 | 49.00 | 24.00 |
| 0.0780        | 5/64        |               | 1.980 | 49.00 | 24.00 |
| 0.0783        |             | 47            | 1.990 | 49.00 | 24.00 |
| 0.0787        |             |               | 2.000 | 49.00 | 24.00 |
| 0.0795        |             |               | 2.020 | 49.00 | 24.00 |
| 0.0799        |             |               | 2.030 | 49.00 | 24.00 |
| 0.0807        |             |               | 2.050 | 49.00 | 24.00 |
| 0.0811        |             | 46            | 2.060 | 49.00 | 24.00 |
| 0.0815        |             |               | 2.070 | 49.00 | 24.00 |
| 0.0819        |             | 45            | 2.080 | 49.00 | 24.00 |
| 0.0823        |             |               | 2.090 | 49.00 | 24.00 |
| 0.0827        |             |               | 2.100 | 49.00 | 24.00 |
| 0.0831        |             |               | 2.110 | 49.00 | 24.00 |
| 0.0839        |             |               | 2.130 | 53.00 | 27.00 |
| 0.0843        |             |               | 2.140 | 53.00 | 27.00 |
| 0.0846        |             |               | 2.150 | 53.00 | 27.00 |
| 0.0854        |             |               | 2.170 | 53.00 | 27.00 |
| 0.0858        |             | 44            | 2.180 | 53.00 | 27.00 |
| 0.0866        |             |               | 2.200 | 53.00 | 27.00 |
| 0.0882        |             |               | 2.240 | 53.00 | 27.00 |
| 0.0886        |             |               | 2.250 | 53.00 | 27.00 |
| 0.0890        |             | 43            | 2.260 | 53.00 | 27.00 |
| 0.0894        |             |               | 2.270 | 53.00 | 27.00 |
| 0.0902        |             |               | 2.290 | 53.00 | 27.00 |
| 0.0906        |             |               | 2.300 | 53.00 | 27.00 |
| 0.0913        |             |               | 2.320 | 53.00 | 27.00 |
| 0.0921        |             |               | 2.340 | 53.00 | 27.00 |
| 0.0925        |             |               | 2.350 | 53.00 | 27.00 |
| 0.0929        |             |               | 2.360 | 53.00 | 27.00 |
| 0.0933        |             | 42            | 2.370 | 57.00 | 30.00 |
| 0.0937        | 3/32        |               | 2.380 | 57.00 | 30.00 |
| 0.0941        |             |               | 2.390 | 57.00 | 30.00 |
| 0.0945        |             |               | 2.400 | 57.00 | 30.00 |
| 0.0953        |             |               | 2.420 | 57.00 | 30.00 |
| 0.0957        |             |               | 2.430 | 57.00 | 30.00 |
| 0.0961        |             | 41            | 2.440 | 57.00 | 30.00 |
| 0.0965        |             |               | 2.450 | 57.00 | 30.00 |
| 0.0969        |             |               | 2.460 | 57.00 | 30.00 |
| 0.0972        |             |               | 2.470 | 57.00 | 30.00 |
| 0.0976        |             |               | 2.480 | 57.00 | 30.00 |
| 0.0980        |             | 40            | 2.490 | 57.00 | 30.00 |
| 0.0984        |             |               | 2.500 | 57.00 | 30.00 |
| 0.0988        |             |               | 2.510 | 57.00 | 30.00 |
| 0.0992        |             |               | 2.520 | 57.00 | 30.00 |
| 0.0996        |             | 39            | 2.530 | 57.00 | 30.00 |
| 0.1000        |             |               | 2.540 | 57.00 | 30.00 |
| 0.1004        |             |               | 2.550 | 57.00 | 30.00 |
| 0.1012        |             |               | 2.570 | 57.00 | 30.00 |
| 0.1016        |             | 38            | 2.580 | 57.00 | 30.00 |
| 0.1024        |             |               | 2.600 | 57.00 | 30.00 |
| 0.1031        |             |               | 2.620 | 57.00 | 30.00 |
| 0.1039        |             | 37            | 2.640 | 57.00 | 30.00 |

| Diameter (d1) |             |               |       |       |       |
|---------------|-------------|---------------|-------|-------|-------|
| Dec. inch     | Fract. inch | Wire / letter | mm    | I1 mm | I2 mm |
| 0.1043        |             |               | 2.650 | 57.00 | 30.00 |
| 0.1051        |             |               | 2.670 | 61.00 | 33.00 |
| 0.1055        |             |               | 2.680 | 61.00 | 33.00 |
| 0.1063        |             |               | 2.700 | 61.00 | 33.00 |
| 0.1067        |             | 36            | 2.710 | 61.00 | 33.00 |
| 0.1071        |             |               | 2.720 | 61.00 | 33.00 |
| 0.1075        |             |               | 2.730 | 61.00 | 33.00 |
| 0.1083        |             |               | 2.750 | 61.00 | 33.00 |
| 0.1087        |             |               | 2.760 | 61.00 | 33.00 |
| 0.1094        | 7/64        |               | 2.780 | 61.00 | 33.00 |
| 0.1098        |             | 35            | 2.790 | 61.00 | 33.00 |
| 0.1102        |             |               | 2.800 | 61.00 | 33.00 |
| 0.1110        |             | 34            | 2.820 | 61.00 | 33.00 |
| 0.1122        |             |               | 2.850 | 61.00 | 33.00 |
| 0.1130        |             | 33            | 2.870 | 61.00 | 33.00 |
| 0.1134        |             |               | 2.880 | 61.00 | 33.00 |
| 0.1142        |             |               | 2.900 | 61.00 | 33.00 |
| 0.1146        |             |               | 2.910 | 61.00 | 33.00 |
| 0.1154        |             |               | 2.930 | 61.00 | 33.00 |
| 0.1161        |             | 32            | 2.950 | 61.00 | 33.00 |
| 0.1165        |             |               | 2.960 | 61.00 | 33.00 |
| 0.1173        |             |               | 2.980 | 61.00 | 33.00 |
| 0.1177        |             |               | 2.990 | 61.00 | 33.00 |
| 0.1181        |             |               | 3.000 | 61.00 | 33.00 |
| 0.1185        |             |               | 3.010 | 65.00 | 36.00 |
| 0.1197        |             |               | 3.040 | 65.00 | 36.00 |
| 0.1201        |             | 31            | 3.050 | 65.00 | 36.00 |
| 0.1209        |             |               | 3.070 | 65.00 | 36.00 |
| 0.1213        |             |               | 3.080 | 65.00 | 36.00 |
| 0.1220        |             |               | 3.100 | 65.00 | 36.00 |
| 0.1228        |             |               | 3.120 | 65.00 | 36.00 |
| 0.1232        |             |               | 3.130 | 65.00 | 36.00 |
| 0.1240        |             |               | 3.150 | 65.00 | 36.00 |
| 0.1244        |             |               | 3.160 | 65.00 | 36.00 |
| 0.1248        | 1/8         |               | 3.170 | 65.00 | 36.00 |
| 0.1252        |             |               | 3.180 | 65.00 | 36.00 |
| 0.1260        |             |               | 3.200 | 65.00 | 36.00 |
| 0.1268        |             |               | 3.220 | 65.00 | 36.00 |
| 0.1272        |             |               | 3.230 | 65.00 | 36.00 |
| 0.1280        |             |               | 3.250 | 65.00 | 36.00 |
| 0.1283        |             | 30            | 3.260 | 65.00 | 36.00 |
| 0.1299        |             |               | 3.300 | 65.00 | 36.00 |
| 0.1307        |             |               | 3.320 | 65.00 | 36.00 |
| 0.1319        |             |               | 3.350 | 65.00 | 36.00 |
| 0.1339        |             |               | 3.400 | 70.00 | 39.00 |
| 0.1346        |             |               | 3.420 | 70.00 | 39.00 |
| 0.1358        |             | 29            | 3.450 | 70.00 | 39.00 |
| 0.1378        |             |               | 3.500 | 70.00 | 39.00 |
| 0.1386        |             |               | 3.520 | 70.00 | 39.00 |
| 0.1398        |             |               | 3.550 | 70.00 | 39.00 |
| 0.1406        | 9/64        | 28            | 3.570 | 70.00 | 39.00 |
| 0.1417        |             |               | 3.600 | 70.00 | 39.00 |
| 0.1421        |             |               | 3.610 | 70.00 | 39.00 |
| 0.1425        |             |               | 3.620 | 70.00 | 39.00 |
| 0.1437        |             |               | 3.650 | 70.00 | 39.00 |
| 0.1441        |             | 27            | 3.660 | 70.00 | 39.00 |
| 0.1449        |             |               | 3.680 | 70.00 | 39.00 |
| 0.1457        |             |               | 3.700 | 70.00 | 39.00 |
| 0.1469        |             | 26            | 3.730 | 70.00 | 39.00 |
| 0.1476        |             |               | 3.750 | 70.00 | 39.00 |
| 0.1496        |             | 25            | 3.800 | 75.00 | 43.00 |
| 0.1504        |             |               | 3.820 | 75.00 | 43.00 |
| 0.1516        |             |               | 3.850 | 75.00 | 43.00 |
| 0.1520        |             | 24            | 3.860 | 75.00 | 43.00 |
| 0.1535        |             |               | 3.900 | 75.00 | 43.00 |
| 0.1539        |             | 23            | 3.910 | 75.00 | 43.00 |
| 0.1547        |             |               | 3.930 | 75.00 | 43.00 |

| Diameter (d1) |             |               |       |       |       |
|---------------|-------------|---------------|-------|-------|-------|
| Dec. inch     | Fract. inch | Wire / letter | mm    | I1 mm | I2 mm |
| 0.1555        |             |               | 3.950 | 75.00 | 43.00 |
| 0.1563        | 5/32        |               | 3.970 | 75.00 | 43.00 |
| 0.1571        |             | 22            | 3.990 | 75.00 | 43.00 |
| 0.1575        |             |               | 4.000 | 75.00 | 43.00 |
| 0.1579        |             |               | 4.010 | 75.00 | 43.00 |
| 0.1591        |             | 21            | 4.040 | 75.00 | 43.00 |
| 0.1594        |             |               | 4.050 | 75.00 | 43.00 |
| 0.1598        |             |               | 4.060 | 75.00 | 43.00 |
| 0.1610        |             | 20            | 4.090 | 75.00 | 43.00 |
| 0.1614        |             |               | 4.100 | 75.00 | 43.00 |
| 0.1634        |             |               | 4.150 | 75.00 | 43.00 |
| 0.1654        |             |               | 4.200 | 75.00 | 43.00 |
| 0.1661        |             | 19            | 4.220 | 75.00 | 43.00 |
| 0.1673        |             |               | 4.250 | 75.00 | 43.00 |
| 0.1681        |             |               | 4.270 | 80.00 | 47.00 |
| 0.1693        |             | 18            | 4.300 | 80.00 | 47.00 |
| 0.1701        |             |               | 4.320 | 80.00 | 47.00 |
| 0.1713        |             |               | 4.350 | 80.00 | 47.00 |
| 0.1720        | 11/64       |               | 4.370 | 80.00 | 47.00 |
| 0.1728        |             | 17            | 4.390 | 80.00 | 47.00 |
| 0.1732        |             |               | 4.400 | 80.00 | 47.00 |
| 0.1740        |             |               | 4.420 | 80.00 | 47.00 |
| 0.1752        |             |               | 4.450 | 80.00 | 47.00 |
| 0.1772        |             | 16            | 4.500 | 80.00 | 47.00 |
| 0.1780        |             |               | 4.520 | 80.00 | 47.00 |
| 0.1783        |             |               | 4.530 | 80.00 | 47.00 |
| 0.1791        |             |               | 4.550 | 80.00 | 47.00 |
| 0.1799        |             | 15            | 4.570 | 80.00 | 47.00 |
| 0.1811        |             |               | 4.600 | 80.00 | 47.00 |
| 0.1819        |             | 14            | 4.620 | 80.00 | 47.00 |
| 0.1831        |             |               | 4.650 | 80.00 | 47.00 |
| 0.1850        |             | 13            | 4.700 | 80.00 | 47.00 |
| 0.1870        |             |               | 4.750 | 80.00 | 47.00 |
| 0.1874        | 3/16        |               | 4.760 | 86.00 | 52.00 |
| 0.1890        |             | 12            | 4.800 | 86.00 | 52.00 |
| 0.1902        |             |               | 4.830 | 86.00 | 52.00 |
| 0.1909        |             | 11            | 4.850 | 86.00 | 52.00 |
| 0.1913        |             |               | 4.860 | 86.00 | 52.00 |
| 0.1929        |             |               | 4.900 | 86.00 | 52.00 |
| 0.1937        |             | 10            | 4.920 | 86.00 | 52.00 |
| 0.1949        |             |               | 4.950 | 86.00 | 52.00 |
| 0.1961        |             | 9             | 4.980 | 86.00 | 52.00 |
| 0.1969        |             |               | 5.000 | 86.00 | 52.00 |
| 0.1980        |             |               | 5.030 | 86.00 | 52.00 |
| 0.1988        |             |               | 5.050 | 86.00 | 52.00 |
| 0.1992        |             | 8             | 5.060 | 86.00 | 52.00 |
| 0.2008        |             |               | 5.100 | 86.00 | 52.00 |
| 0.2012        |             | 7             | 5.110 | 86.00 | 52.00 |
| 0.2028        |             |               | 5.150 | 86.00 | 52.00 |
| 0.2031        | 13/64       |               | 5.160 | 86.00 | 52.00 |
| 0.2039        |             | 6             | 5.180 | 86.00 | 52.00 |
| 0.2047        |             |               | 5.200 | 86.00 | 52.00 |
| 0.2055        |             | 5             | 5.220 | 86.00 | 52.00 |
| 0.2067        |             |               | 5.250 | 86.00 | 52.00 |
| 0.2087        |             |               | 5.300 | 86.00 | 52.00 |
| 0.2091        |             | 4             | 5.310 | 93.00 | 57.00 |
| 0.2106        |             |               | 5.350 | 93.00 | 57.00 |
| 0.2126        |             |               | 5.400 | 93.00 | 57.00 |
| 0.2130        |             | 3             | 5.410 | 93.00 | 57.00 |
| 0.2146        |             |               | 5.450 | 93.00 | 57.00 |
| 0.2165        |             |               | 5.500 | 93.00 | 57.00 |
| 0.2185        |             |               | 5.550 | 93.00 | 57.00 |
| 0.2189        | 7/32        |               | 5.560 | 93.00 | 57.00 |
| 0.2205        |             |               | 5.600 | 93.00 | 57.00 |
| 0.2209        |             | 2             | 5.610 | 93.00 | 57.00 |
| 0.2224        |             |               | 5.650 | 93.00 | 57.00 |
| 0.2244        |             |               | 5.700 | 93.00 | 57.00 |

# Series 205

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| Diameter (d1) |                | Wire / letter | mm    | l1<br>mm | l2<br>mm |
|---------------|----------------|---------------|-------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch |               |       |          |          |
| 0.2264        |                |               | 5.750 | 93.00    | 57.00    |
| 0.2280        |                | 1             | 5.790 | 93.00    | 57.00    |
| 0.2283        |                |               | 5.800 | 93.00    | 57.00    |
| 0.2303        |                |               | 5.850 | 93.00    | 57.00    |
| 0.2323        |                |               | 5.900 | 93.00    | 57.00    |
| 0.2339        |                | A             | 5.940 | 93.00    | 57.00    |
| 0.2343        | 15/64          |               | 5.950 | 93.00    | 57.00    |
| 0.2350        |                |               | 5.970 | 93.00    | 57.00    |
| 0.2354        |                |               | 5.980 | 93.00    | 57.00    |
| 0.2362        |                |               | 6.000 | 93.00    | 57.00    |
| 0.2374        |                |               | 6.030 | 101.00   | 63.00    |
| 0.2378        |                | B             | 6.040 | 101.00   | 63.00    |
| 0.2382        |                |               | 6.050 | 101.00   | 63.00    |
| 0.2402        |                |               | 6.100 | 101.00   | 63.00    |
| 0.2421        |                | C             | 6.150 | 101.00   | 63.00    |
| 0.2441        |                |               | 6.200 | 101.00   | 63.00    |
| 0.2449        |                |               | 6.220 | 101.00   | 63.00    |
| 0.2461        |                | D             | 6.250 | 101.00   | 63.00    |
| 0.2480        |                |               | 6.300 | 101.00   | 63.00    |
| 0.2500        | 1/4            | E             | 6.350 | 101.00   | 63.00    |
| 0.2520        |                |               | 6.400 | 101.00   | 63.00    |
| 0.2539        |                |               | 6.450 | 101.00   | 63.00    |
| 0.2559        |                |               | 6.500 | 101.00   | 63.00    |
| 0.2571        |                | F             | 6.530 | 101.00   | 63.00    |
| 0.2579        |                |               | 6.550 | 101.00   | 63.00    |
| 0.2598        |                |               | 6.600 | 101.00   | 63.00    |
| 0.2610        |                | G             | 6.630 | 101.00   | 63.00    |
| 0.2618        |                |               | 6.650 | 101.00   | 63.00    |
| 0.2638        |                |               | 6.700 | 101.00   | 63.00    |
| 0.2657        | 17/64          | H             | 6.750 | 109.00   | 69.00    |
| 0.2661        |                |               | 6.760 | 109.00   | 69.00    |
| 0.2677        |                |               | 6.800 | 109.00   | 69.00    |
| 0.2697        |                |               | 6.850 | 109.00   | 69.00    |
| 0.2717        |                | I             | 6.900 | 109.00   | 69.00    |
| 0.2736        |                |               | 6.950 | 109.00   | 69.00    |
| 0.2756        |                |               | 7.000 | 109.00   | 69.00    |
| 0.2768        |                | J             | 7.030 | 109.00   | 69.00    |
| 0.2776        |                |               | 7.050 | 109.00   | 69.00    |
| 0.2783        |                |               | 7.070 | 109.00   | 69.00    |
| 0.2795        |                |               | 7.100 | 109.00   | 69.00    |
| 0.2811        | 9/32           | K             | 7.140 | 109.00   | 69.00    |
| 0.2815        |                |               | 7.150 | 109.00   | 69.00    |
| 0.2835        |                |               | 7.200 | 109.00   | 69.00    |
| 0.2854        |                |               | 7.250 | 109.00   | 69.00    |
| 0.2874        |                |               | 7.300 | 109.00   | 69.00    |
| 0.2894        |                |               | 7.350 | 109.00   | 69.00    |
| 0.2902        |                | L             | 7.370 | 109.00   | 69.00    |
| 0.2913        |                |               | 7.400 | 109.00   | 69.00    |
| 0.2933        |                |               | 7.450 | 109.00   | 69.00    |
| 0.2949        |                | M             | 7.490 | 109.00   | 69.00    |
| 0.2953        |                |               | 7.500 | 109.00   | 69.00    |
| 0.2969        | 19/64          |               | 7.540 | 117.00   | 75.00    |
| 0.2972        |                |               | 7.550 | 117.00   | 75.00    |
| 0.2992        |                |               | 7.600 | 117.00   | 75.00    |
| 0.3012        |                |               | 7.650 | 117.00   | 75.00    |
| 0.3020        |                | N             | 7.670 | 117.00   | 75.00    |
| 0.3031        |                |               | 7.700 | 117.00   | 75.00    |
| 0.3051        |                |               | 7.750 | 117.00   | 75.00    |
| 0.3071        |                |               | 7.800 | 117.00   | 75.00    |
| 0.3091        |                |               | 7.850 | 117.00   | 75.00    |
| 0.3110        |                |               | 7.900 | 117.00   | 75.00    |
| 0.3126        | 5/16           |               | 7.940 | 117.00   | 75.00    |
| 0.3130        |                |               | 7.950 | 117.00   | 75.00    |
| 0.3142        |                |               | 7.980 | 117.00   | 75.00    |
| 0.3150        |                |               | 8.000 | 117.00   | 75.00    |
| 0.3161        |                | O             | 8.030 | 117.00   | 75.00    |
| 0.3169        |                |               | 8.050 | 117.00   | 75.00    |

| Diameter (d1) |                | Wire / letter | mm     | l1<br>mm | l2<br>mm |
|---------------|----------------|---------------|--------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch |               |        |          |          |
| 0.3189        |                |               | 8.100  | 117.00   | 75.00    |
| 0.3201        |                |               | 8.130  | 117.00   | 75.00    |
| 0.3209        |                |               | 8.150  | 117.00   | 75.00    |
| 0.3228        |                | P             | 8.200  | 117.00   | 75.00    |
| 0.3248        |                |               | 8.250  | 117.00   | 75.00    |
| 0.3268        |                |               | 8.300  | 117.00   | 75.00    |
| 0.3280        | 21/64          |               | 8.330  | 117.00   | 75.00    |
| 0.3287        |                |               | 8.350  | 117.00   | 75.00    |
| 0.3307        |                |               | 8.400  | 117.00   | 75.00    |
| 0.3319        |                | Q             | 8.430  | 117.00   | 75.00    |
| 0.3327        |                |               | 8.450  | 117.00   | 75.00    |
| 0.3346        |                |               | 8.500  | 117.00   | 75.00    |
| 0.3366        |                |               | 8.550  | 125.00   | 81.00    |
| 0.3386        |                |               | 8.600  | 125.00   | 81.00    |
| 0.3390        |                | R             | 8.610  | 125.00   | 81.00    |
| 0.3406        |                |               | 8.650  | 125.00   | 81.00    |
| 0.3425        |                |               | 8.700  | 125.00   | 81.00    |
| 0.3437        | 11/32          |               | 8.730  | 125.00   | 81.00    |
| 0.3445        |                |               | 8.750  | 125.00   | 81.00    |
| 0.3465        |                |               | 8.800  | 125.00   | 81.00    |
| 0.3480        |                | S             | 8.840  | 125.00   | 81.00    |
| 0.3484        |                |               | 8.850  | 125.00   | 81.00    |
| 0.3504        |                |               | 8.900  | 125.00   | 81.00    |
| 0.3524        |                |               | 8.950  | 125.00   | 81.00    |
| 0.3543        |                |               | 9.000  | 125.00   | 81.00    |
| 0.3555        |                |               | 9.030  | 125.00   | 81.00    |
| 0.3563        |                |               | 9.050  | 125.00   | 81.00    |
| 0.3579        |                | T             | 9.090  | 125.00   | 81.00    |
| 0.3583        |                |               | 9.100  | 125.00   | 81.00    |
| 0.3594        | 23/64          |               | 9.130  | 125.00   | 81.00    |
| 0.3602        |                |               | 9.150  | 125.00   | 81.00    |
| 0.3622        |                |               | 9.200  | 125.00   | 81.00    |
| 0.3642        |                |               | 9.250  | 125.00   | 81.00    |
| 0.3661        |                |               | 9.300  | 125.00   | 81.00    |
| 0.3677        |                | U             | 9.340  | 125.00   | 81.00    |
| 0.3681        |                |               | 9.350  | 125.00   | 81.00    |
| 0.3701        |                |               | 9.400  | 125.00   | 81.00    |
| 0.3720        |                |               | 9.450  | 125.00   | 81.00    |
| 0.3740        |                |               | 9.500  | 125.00   | 81.00    |
| 0.3748        | 3/8            |               | 9.520  | 133.00   | 87.00    |
| 0.3760        |                |               | 9.550  | 133.00   | 87.00    |
| 0.3772        |                | V             | 9.580  | 133.00   | 87.00    |
| 0.3780        |                |               | 9.600  | 133.00   | 87.00    |
| 0.3799        |                |               | 9.650  | 133.00   | 87.00    |
| 0.3819        |                |               | 9.700  | 133.00   | 87.00    |
| 0.3839        |                |               | 9.750  | 133.00   | 87.00    |
| 0.3858        |                | W             | 9.800  | 133.00   | 87.00    |
| 0.3878        |                |               | 9.850  | 133.00   | 87.00    |
| 0.3898        |                |               | 9.900  | 133.00   | 87.00    |
| 0.3906        | 25/64          |               | 9.920  | 133.00   | 87.00    |
| 0.3917        |                |               | 9.950  | 133.00   | 87.00    |
| 0.3937        |                |               | 10.000 | 133.00   | 87.00    |
| 0.3953        |                |               | 10.040 | 133.00   | 87.00    |
| 0.3969        |                | X             | 10.080 | 133.00   | 87.00    |
| 0.3976        |                |               | 10.100 | 133.00   | 87.00    |
| 0.3996        |                |               | 10.150 | 133.00   | 87.00    |
| 0.4016        |                |               | 10.200 | 133.00   | 87.00    |
| 0.4035        |                |               | 10.250 | 133.00   | 87.00    |
| 0.4039        |                | Y             | 10.260 | 133.00   | 87.00    |
| 0.4055        |                |               | 10.300 | 133.00   | 87.00    |
| 0.4063        | 13/32          |               | 10.320 | 133.00   | 87.00    |
| 0.4075        |                |               | 10.350 | 133.00   | 87.00    |
| 0.4094        |                |               | 10.400 | 133.00   | 87.00    |
| 0.4130        |                | Z             | 10.490 | 133.00   | 87.00    |
| 0.4134        |                |               | 10.500 | 133.00   | 87.00    |
| 0.4173        |                |               | 10.600 | 133.00   | 87.00    |
| 0.4213        |                |               | 10.700 | 142.00   | 94.00    |

| Diameter (d1) |                | Wire / letter | mm     | l1<br>mm | l2<br>mm |
|---------------|----------------|---------------|--------|----------|----------|
| Dec.<br>inch  | Fract.<br>inch |               |        |          |          |
| 0.4220        | 27/64          |               | 10.720 | 142.00   | 94.00    |
| 0.4232        |                |               | 10.750 | 142.00   | 94.00    |
| 0.4252        |                |               | 10.800 | 142.00   | 94.00    |
| 0.4291        |                |               | 10.900 | 142.00   | 94.00    |
| 0.4331        |                |               | 11.000 | 142.00   | 94.00    |
| 0.4350        |                |               | 11.050 | 142.00   | 94.00    |
| 0.4370        |                |               | 11.100 | 142.00   | 94.00    |
| 0.4374        | 7/16           |               | 11.110 | 142.00   | 94.00    |
| 0.4390        |                |               | 11.150 | 142.00   | 94.00    |
| 0.4409        |                |               | 11.200 | 142.00   | 94.00    |
| 0.4429        |                |               | 11.250 | 142.00   | 94.00    |
| 0.4449        |                |               | 11.300 | 142.00   | 94.00    |
| 0.4469        |                |               | 11.350 | 142.00   | 94.00    |
| 0.4488        |                |               | 11.400 | 142.00   | 94.00    |
| 0.4528        |                |               | 11.500 | 142.00   | 94.00    |
| 0.4531        | 29/64          |               | 11.510 | 142.00   | 94.00    |
| 0.4567        |                |               | 11.600 | 142.00   | 94.00    |
| 0.4606        |                |               | 11.700 | 142.00   | 94.00    |
| 0.4626        |                |               | 11.750 | 142.00   | 94.00    |
| 0.4646        |                |               | 11.800 | 142.00   | 94.00    |
| 0.4685        |                |               | 11.900 | 151.00   | 101.00   |
| 0.4689        | 15/32          |               | 11.910 | 151.00   | 101.00   |
| 0.4724        |                |               | 12.000 | 151.00   | 101.00   |
| 0.4744        |                |               | 12.050 | 151.00   | 101.00   |
| 0.4764        |                |               | 12.100 | 151.00   | 101.00   |
| 0.4783        |                |               | 12.150 | 151.00   | 101.00   |
| 0.4803        |                |               | 12.200 | 151.00   | 101.00   |
| 0.4823        |                |               | 12.250 | 151.00   | 101.00   |
| 0.4843        | 31/64          |               | 12.300 | 151.00   | 101.00   |
| 0.4882        |                |               | 12.400 | 151.00   | 101.00   |
| 0.4921        |                |               | 12.500 | 151.00   | 101.00   |
| 0.4961        |                |               | 12.600 | 151.00   | 101.00   |
| 0.4980        |                |               | 12.650 | 151.00   | 101.00   |
| 0.5000        | 1/2            |               | 12.700 | 151.00   | 101.00   |
| 0.5020        |                |               | 12.750 | 151.00   | 101.00   |
| 0.5039        |                |               | 12.800 | 151.00   | 101.00   |
| 0.5059        |                |               | 12.850 | 151.00   | 101.00   |
| 0.5079        |                |               | 12.900 | 151.00   | 101.00   |
| 0.5118        |                |               | 13.000 | 151.00   | 101.00   |
| 0.5157        | 33/64          |               | 13.100 | 151.00   | 101.00   |
| 0.5177        |                |               | 13.150 | 151.00   | 101.00   |
| 0.5197        |                |               | 13.200 | 151.00   | 101.00   |
| 0.5217        |                |               | 13.250 | 160.00   | 108.00   |
| 0.5236        |                |               | 13.300 | 160.00   | 108.00   |
| 0.5276        |                |               | 13.400 | 160.00   | 108.00   |
| 0.5311        | 17/32          |               | 13.490 | 160.00   | 108.00   |
| 0.5315        |                |               | 13.500 | 160.00   | 108.00   |
| 0.5354        |                |               | 13.600 | 160.00   | 108.00   |
| 0.5394        |                |               | 13.700 | 160.00   | 108.00   |
| 0.5413        |                |               | 13.750 | 160.00   | 108.00   |
| 0.5433        |                |               | 13.800 | 160.00   | 108.00   |
| 0.5469        | 35/64          |               | 13.890 | 160.00   | 108.00   |
| 0.5472        |                |               | 13.900 | 160.00   | 108.00   |
| 0.5512        |                |               | 14.000 | 160.00   | 108.00   |
| 0.5531        |                |               | 14.050 | 169.00   | 114.00   |
| 0.5551        |                |               | 14.100 | 169.00   | 114.00   |
| 0.5591        |                |               | 14.200 | 169.00   | 114.00   |
| 0.5610        |                |               | 14.250 | 169.00   | 114.00   |
| 0.5626        | 9/16           |               | 14.290 | 169.00   | 114.00   |
| 0.5630        |                |               | 14.300 | 169.00   | 114.00   |
| 0.5669        |                |               | 14.400 | 169.00   | 114.00   |
| 0.5709        |                |               | 14.500 | 169.00   | 114.00   |
| 0.5748        |                |               | 14.600 | 169.00   | 114.00   |
| 0.5780        | 37/64          |               | 14.680 | 169.00   | 114.00   |
| 0.5787        |                |               | 14.700 | 169.00   | 114.00   |
| 0.5807        |                |               | 14.750 | 169.00   | 114.00   |
| 0.5827        |                |               | 14.800 | 169.00   | 114.00   |

# Series 205

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| Diameter (d1) |             |               |        |        |        |
|---------------|-------------|---------------|--------|--------|--------|
| Dec. inch     | Fract. inch | Wire / letter | mm     | I1 mm  | I2 mm  |
| 0.5846        |             |               | 14.850 | 169.00 | 114.00 |
| 0.5866        |             |               | 14.900 | 169.00 | 114.00 |
| 0.5906        |             |               | 15.000 | 169.00 | 114.00 |
| 0.5937        | 19/32       |               | 15.080 | 178.00 | 120.00 |
| 0.5945        |             |               | 15.100 | 178.00 | 120.00 |
| 0.5984        |             |               | 15.200 | 178.00 | 120.00 |
| 0.6004        |             |               | 15.250 | 178.00 | 120.00 |
| 0.6024        |             |               | 15.300 | 178.00 | 120.00 |
| 0.6063        |             |               | 15.400 | 178.00 | 120.00 |
| 0.6094        | 39/64       |               | 15.480 | 178.00 | 120.00 |
| 0.6102        |             |               | 15.500 | 178.00 | 120.00 |
| 0.6142        |             |               | 15.600 | 178.00 | 120.00 |
| 0.6181        |             |               | 15.700 | 178.00 | 120.00 |
| 0.6201        |             |               | 15.750 | 178.00 | 120.00 |
| 0.6220        |             |               | 15.800 | 178.00 | 120.00 |
| 0.6248        | 5/8         |               | 15.870 | 178.00 | 120.00 |
| 0.6260        |             |               | 15.900 | 178.00 | 120.00 |
| 0.6299        |             |               | 16.000 | 178.00 | 120.00 |
| 0.6339        |             |               | 16.100 | 184.00 | 125.00 |
| 0.6378        |             |               | 16.200 | 184.00 | 125.00 |
| 0.6398        |             |               | 16.250 | 184.00 | 125.00 |
| 0.6406        | 41/64       |               | 16.270 | 184.00 | 125.00 |
| 0.6417        |             |               | 16.300 | 184.00 | 125.00 |
| 0.6457        |             |               | 16.400 | 184.00 | 125.00 |
| 0.6496        |             |               | 16.500 | 184.00 | 125.00 |
| 0.6535        |             |               | 16.600 | 184.00 | 125.00 |

| Diameter (d1) |             |               |        |        |        |
|---------------|-------------|---------------|--------|--------|--------|
| Dec. inch     | Fract. inch | Wire / letter | mm     | I1 mm  | I2 mm  |
| 0.6563        | 21/32       |               | 16.670 | 184.00 | 125.00 |
| 0.6575        |             |               | 16.700 | 184.00 | 125.00 |
| 0.6594        |             |               | 16.750 | 184.00 | 125.00 |
| 0.6614        |             |               | 16.800 | 184.00 | 125.00 |
| 0.6654        |             |               | 16.900 | 184.00 | 125.00 |
| 0.6693        |             |               | 17.000 | 184.00 | 125.00 |
| 0.6720        | 43/64       |               | 17.070 | 191.00 | 130.00 |
| 0.6732        |             |               | 17.100 | 191.00 | 130.00 |
| 0.6772        |             |               | 17.200 | 191.00 | 130.00 |
| 0.6791        |             |               | 17.250 | 191.00 | 130.00 |
| 0.6811        |             |               | 17.300 | 191.00 | 130.00 |
| 0.6850        |             |               | 17.400 | 191.00 | 130.00 |
| 0.6874        | 11/16       |               | 17.460 | 191.00 | 130.00 |
| 0.6890        |             |               | 17.500 | 191.00 | 130.00 |
| 0.6929        |             |               | 17.600 | 191.00 | 130.00 |
| 0.6969        |             |               | 17.700 | 191.00 | 130.00 |
| 0.6988        |             |               | 17.750 | 191.00 | 130.00 |
| 0.7008        |             |               | 17.800 | 191.00 | 130.00 |
| 0.7031        | 45/64       |               | 17.860 | 191.00 | 130.00 |
| 0.7047        |             |               | 17.900 | 191.00 | 130.00 |
| 0.7087        |             |               | 18.000 | 191.00 | 130.00 |
| 0.7126        |             |               | 18.100 | 198.00 | 135.00 |
| 0.7165        |             |               | 18.200 | 198.00 | 135.00 |
| 0.7185        |             |               | 18.250 | 198.00 | 135.00 |
| 0.7189        | 23/32       |               | 18.260 | 198.00 | 135.00 |
| 0.7205        |             |               | 18.300 | 198.00 | 135.00 |

| Diameter (d1) |             |               |        |        |        |
|---------------|-------------|---------------|--------|--------|--------|
| Dec. inch     | Fract. inch | Wire / letter | mm     | I1 mm  | I2 mm  |
| 0.7244        |             |               | 18.400 | 198.00 | 135.00 |
| 0.7283        |             |               | 18.500 | 198.00 | 135.00 |
| 0.7323        |             |               | 18.600 | 198.00 | 135.00 |
| 0.7343        | 47/64       |               | 18.650 | 198.00 | 135.00 |
| 0.7382        |             |               | 18.750 | 198.00 | 135.00 |
| 0.7402        |             |               | 18.800 | 198.00 | 135.00 |
| 0.7441        |             |               | 18.900 | 198.00 | 135.00 |
| 0.7480        |             |               | 19.000 | 198.00 | 135.00 |
| 0.7500        | 3/4         |               | 19.050 | 205.00 | 140.00 |
| 0.7520        |             |               | 19.100 | 205.00 | 140.00 |
| 0.7559        |             |               | 19.200 | 205.00 | 140.00 |
| 0.7579        |             |               | 19.250 | 205.00 | 140.00 |
| 0.7638        |             |               | 19.400 | 205.00 | 140.00 |
| 0.7677        |             |               | 19.500 | 205.00 | 140.00 |
| 0.7717        |             |               | 19.600 | 205.00 | 140.00 |
| 0.7776        |             |               | 19.750 | 205.00 | 140.00 |
| 0.7811        | 25/32       |               | 19.840 | 205.00 | 140.00 |
| 0.7874        |             |               | 20.000 | 205.00 | 140.00 |

## Alternative Drill Series:

#651 HSS, GP, 5xD, 118 pt, TiN  
 #305 Cobalt, GP, 5xD, 118 pt, Oxide  
 #732 Carbide, GP, 5xD, 130 pt, Bright  
 #5523 Cobalt, GU500, 5xD, 118 pt, Bright  
 #5519 Cobalt, GU500, 5xD, 118 pt, TiN