

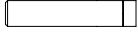
# 5xD



Steam Oxide  
>2.36 mm dia.



External Coolant



Straight Shank

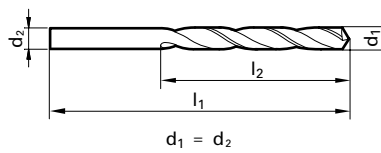
Speeds & Feeds  
information pg 432

# Series 305

## General Purpose

Cobalt, 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:



Universal Steels



Hardened Materials



Cast Iron

Twist Drills

| Dec. inch | Diameter (d1) |               |       | l1 mm | l2 mm | EDP #         |
|-----------|---------------|---------------|-------|-------|-------|---------------|
|           | Fract. inch   | Wire / letter | mm    |       |       |               |
| 0.0079    |               | 92            | 0.200 | 19.00 | 2.50  | 9003050002000 |
| 0.0083    |               | 91            | 0.210 | 19.00 | 2.50  | 9003050002100 |
| 0.0087    |               | 90            | 0.220 | 19.00 | 2.50  | 9003050002200 |
| 0.0091    |               | 89            | 0.230 | 19.00 | 2.50  | 9003050002300 |
| 0.0098    |               | 87            | 0.250 | 19.00 | 3.00  | 9003050002500 |
| 0.0102    |               |               | 0.260 | 19.00 | 3.00  | 9003050002600 |
| 0.0106    |               | 86            | 0.270 | 19.00 | 3.00  | 9003050002700 |
| 0.0110    |               | 85            | 0.280 | 19.00 | 3.00  | 9003050002800 |
| 0.0118    |               |               | 0.300 | 19.00 | 3.00  | 9003050003000 |
| 0.0122    |               | 83            | 0.310 | 19.00 | 4.00  | 9003050003100 |
| 0.0126    |               | 82            | 0.320 | 19.00 | 4.00  | 9003050003200 |
| 0.0130    |               | 81            | 0.330 | 19.00 | 4.00  | 9003050003300 |
| 0.0134    |               | 80            | 0.340 | 19.00 | 4.00  | 9003050003400 |
| 0.0138    |               |               | 0.350 | 19.00 | 4.00  | 9003050003500 |
| 0.0146    |               | 79            | 0.370 | 19.00 | 4.00  | 9003050003700 |
| 0.0150    |               |               | 0.380 | 19.00 | 4.00  | 9003050003800 |
| 0.0157    | 1/64          |               | 0.400 | 20.00 | 5.00  | 9003050004000 |
| 0.0161    |               | 78            | 0.410 | 20.00 | 5.00  | 9003050004100 |
| 0.0165    |               |               | 0.420 | 20.00 | 5.00  | 9003050004200 |
| 0.0169    |               |               | 0.430 | 20.00 | 5.00  | 9003050004300 |
| 0.0173    |               |               | 0.440 | 20.00 | 5.00  | 9003050004400 |
| 0.0177    |               |               | 0.450 | 20.00 | 5.00  | 9003050004500 |
| 0.0181    |               | 77            | 0.460 | 20.00 | 5.00  | 9003050004600 |
| 0.0185    |               |               | 0.470 | 20.00 | 5.00  | 9003050004700 |
| 0.0189    |               |               | 0.480 | 20.00 | 5.00  | 9003050004800 |
| 0.0193    |               |               | 0.490 | 22.00 | 6.00  | 9003050004900 |
| 0.0197    |               |               | 0.500 | 22.00 | 6.00  | 9003050005000 |
| 0.0201    |               | 76            | 0.510 | 22.00 | 6.00  | 9003050005100 |
| 0.0205    |               |               | 0.520 | 22.00 | 6.00  | 9003050005200 |
| 0.0209    |               | 75            | 0.530 | 22.00 | 6.00  | 9003050005300 |
| 0.0213    |               |               | 0.540 | 24.00 | 7.00  | 9003050005400 |
| 0.0217    |               |               | 0.550 | 24.00 | 7.00  | 9003050005500 |
| 0.0220    |               |               | 0.560 | 24.00 | 7.00  | 9003050005600 |
| 0.0224    |               | 74            | 0.570 | 24.00 | 7.00  | 9003050005700 |
| 0.0232    |               |               | 0.590 | 24.00 | 7.00  | 9003050005900 |
| 0.0236    |               |               | 0.600 | 24.00 | 7.00  | 9003050006000 |
| 0.0240    |               | 73            | 0.610 | 26.00 | 8.00  | 9003050006100 |
| 0.0244    |               |               | 0.620 | 26.00 | 8.00  | 9003050006200 |
| 0.0252    |               | 72            | 0.640 | 26.00 | 8.00  | 9003050006400 |
| 0.0256    |               |               | 0.650 | 26.00 | 8.00  | 9003050006500 |
| 0.0260    |               | 71            | 0.660 | 26.00 | 8.00  | 9003050006600 |
| 0.0264    |               |               | 0.670 | 26.00 | 8.00  | 9003050006700 |
| 0.0268    |               |               | 0.680 | 28.00 | 9.00  | 9003050006800 |
| 0.0276    |               |               | 0.700 | 28.00 | 9.00  | 9003050007000 |
| 0.0280    |               | 70            | 0.710 | 28.00 | 9.00  | 9003050007100 |
| 0.0283    |               |               | 0.720 | 28.00 | 9.00  | 9003050007200 |
| 0.0291    |               | 69            | 0.740 | 28.00 | 9.00  | 9003050007400 |
| 0.0295    |               |               | 0.750 | 28.00 | 9.00  | 9003050007500 |
| 0.0299    |               |               | 0.760 | 30.00 | 10.00 | 9003050007600 |
| 0.0303    |               |               | 0.770 | 30.00 | 10.00 | 9003050007700 |
| 0.0307    |               |               | 0.780 | 30.00 | 10.00 | 9003050007800 |
| 0.0311    | 1/32          | 68            | 0.790 | 30.00 | 10.00 | 9003050007900 |
| 0.0315    |               |               | 0.800 | 30.00 | 10.00 | 9003050008000 |
| 0.0319    |               | 67            | 0.810 | 30.00 | 10.00 | 9003050008100 |

| Dec. inch | Diameter (d1) |               |       | l1 mm | l2 mm | EDP #         |
|-----------|---------------|---------------|-------|-------|-------|---------------|
|           | Fract. inch   | Wire / letter | mm    |       |       |               |
| 0.0323    |               |               | 0.820 | 30.00 | 10.00 | 9003050008200 |
| 0.0331    |               | 66            | 0.840 | 30.00 | 10.00 | 9003050008400 |
| 0.0335    |               |               | 0.850 | 30.00 | 10.00 | 9003050008500 |
| 0.0339    |               |               | 0.860 | 32.00 | 11.00 | 9003050008600 |
| 0.0343    |               |               | 0.870 | 32.00 | 11.00 | 9003050008700 |
| 0.0346    |               |               | 0.880 | 32.00 | 11.00 | 9003050008800 |
| 0.0350    |               | 65            | 0.890 | 32.00 | 11.00 | 9003050008900 |
| 0.0354    |               |               | 0.900 | 32.00 | 11.00 | 9003050009000 |
| 0.0358    |               | 64            | 0.910 | 32.00 | 11.00 | 9003050009100 |
| 0.0362    |               |               | 0.920 | 32.00 | 11.00 | 9003050009200 |
| 0.0370    |               | 63            | 0.940 | 32.00 | 11.00 | 9003050009400 |
| 0.0374    |               |               | 0.950 | 32.00 | 11.00 | 9003050009500 |
| 0.0378    |               |               | 0.960 | 34.00 | 12.00 | 9003050009600 |
| 0.0382    |               | 62            | 0.970 | 34.00 | 12.00 | 9003050009700 |
| 0.0390    |               | 61            | 0.990 | 34.00 | 12.00 | 9003050009900 |
| 0.0394    |               |               | 1.000 | 34.00 | 12.00 | 9003050010000 |
| 0.0398    |               |               | 1.010 | 34.00 | 12.00 | 9003050010100 |
| 0.0402    |               | 60            | 1.020 | 34.00 | 12.00 | 9003050010200 |
| 0.0406    |               |               | 1.030 | 34.00 | 12.00 | 9003050010300 |
| 0.0409    |               | 59            | 1.040 | 34.00 | 12.00 | 9003050010400 |
| 0.0413    |               |               | 1.050 | 34.00 | 12.00 | 9003050010500 |
| 0.0421    |               | 58            | 1.070 | 36.00 | 14.00 | 9003050010700 |
| 0.0425    |               |               | 1.080 | 36.00 | 14.00 | 9003050010800 |
| 0.0429    |               | 57            | 1.090 | 36.00 | 14.00 | 9003050010900 |
| 0.0433    |               |               | 1.100 | 36.00 | 14.00 | 9003050011000 |
| 0.0449    |               |               | 1.140 | 36.00 | 14.00 | 9003050011400 |
| 0.0453    |               |               | 1.150 | 36.00 | 14.00 | 9003050011500 |
| 0.0457    |               |               | 1.160 | 36.00 | 14.00 | 9003050011600 |
| 0.0461    |               |               | 1.170 | 36.00 | 14.00 | 9003050011700 |
| 0.0465    |               | 56            | 1.180 | 36.00 | 14.00 | 9003050011800 |
| 0.0469    | 3/64          |               | 1.190 | 38.00 | 16.00 | 9003050011900 |
| 0.0472    |               |               | 1.200 | 38.00 | 16.00 | 9003050012000 |
| 0.0480    |               |               | 1.220 | 38.00 | 16.00 | 9003050012200 |
| 0.0484    |               |               | 1.230 | 38.00 | 16.00 | 9003050012300 |
| 0.0492    |               |               | 1.250 | 38.00 | 16.00 | 9003050012500 |
| 0.0508    |               |               | 1.290 | 38.00 | 16.00 | 9003050012900 |
| 0.0512    |               |               | 1.300 | 38.00 | 16.00 | 9003050013000 |
| 0.0520    |               | 55            | 1.320 | 38.00 | 16.00 | 9003050013200 |
| 0.0524    |               |               | 1.330 | 40.00 | 18.00 | 9003050013300 |
| 0.0531    |               |               | 1.350 | 40.00 | 18.00 | 9003050013500 |
| 0.0535    |               |               | 1.360 | 40.00 | 18.00 | 9003050013600 |
| 0.0539    |               |               | 1.370 | 40.00 | 18.00 | 9003050013700 |
| 0.0543    |               |               | 1.380 | 40.00 | 18.00 | 9003050013800 |
| 0.0551    |               | 54            | 1.400 | 40.00 | 18.00 | 9003050014000 |
| 0.0555    |               |               | 1.410 | 40.00 | 18.00 | 9003050014100 |
| 0.0559    |               |               | 1.420 | 40.00 | 18.00 | 9003050014200 |
| 0.0563    |               |               | 1.430 | 40.00 | 18.00 | 9003050014300 |
| 0.0567    |               |               | 1.440 | 40.00 | 18.00 | 9003050014400 |
| 0.0571    |               |               | 1.450 | 40.00 | 18.00 | 9003050014500 |
| 0.0583    |               |               | 1.480 | 40.00 | 18.00 | 9003050014800 |
| 0.0591    |               |               | 1.500 | 40.00 | 18.00 | 9003050015000 |
| 0.0594    |               | 53            | 1.510 | 43.00 | 20.00 | 9003050015100 |
| 0.0598    |               |               | 1.520 | 43.00 | 20.00 | 9003050015200 |
| 0.0602    |               |               | 1.530 | 43.00 | 20.00 | 9003050015300 |

\*Items listed in red are non-stocked items, and may take 2 - 6 weeks to receive

# Series 305

## Speeds & Feeds information pg 432

| Diameter (d1) |             | Wire / letter | mm    | l1 mm | l2 mm | EDP #         |
|---------------|-------------|---------------|-------|-------|-------|---------------|
| Dec. inch     | Fract. inch |               |       |       |       |               |
| 0.0610        |             |               | 1.550 | 43.00 | 20.00 | 9003050015500 |
| 0.0614        |             |               | 1.560 | 43.00 | 20.00 | 9003050015600 |
| 0.0618        |             |               | 1.570 | 43.00 | 20.00 | 9003050015700 |
| 0.0622        |             |               | 1.580 | 43.00 | 20.00 | 9003050015800 |
| 0.0626        | 1/16        |               | 1.590 | 43.00 | 20.00 | 9003050015900 |
| 0.0630        |             |               | 1.600 | 43.00 | 20.00 | 9003050016000 |
| 0.0634        |             | 52            | 1.610 | 43.00 | 20.00 | 9003050016100 |
| 0.0638        |             |               | 1.620 | 43.00 | 20.00 | 9003050016200 |
| 0.0646        |             |               | 1.640 | 43.00 | 20.00 | 9003050016400 |
| 0.0650        |             |               | 1.650 | 43.00 | 20.00 | 9003050016500 |
| 0.0654        |             |               | 1.660 | 43.00 | 20.00 | 9003050016600 |
| 0.0657        |             |               | 1.670 | 43.00 | 20.00 | 9003050016700 |
| 0.0661        |             |               | 1.680 | 43.00 | 20.00 | 9003050016800 |
| 0.0669        |             | 51            | 1.700 | 43.00 | 20.00 | 9003050017000 |
| 0.0673        |             |               | 1.710 | 46.00 | 22.00 | 9003050017100 |
| 0.0677        |             |               | 1.720 | 46.00 | 22.00 | 9003050017200 |
| 0.0681        |             |               | 1.730 | 46.00 | 22.00 | 9003050017300 |
| 0.0689        |             |               | 1.750 | 46.00 | 22.00 | 9003050017500 |
| 0.0693        |             |               | 1.760 | 46.00 | 22.00 | 9003050017600 |
| 0.0701        |             | 50            | 1.780 | 46.00 | 22.00 | 9003050017800 |
| 0.0705        |             |               | 1.790 | 46.00 | 22.00 | 9003050017900 |
| 0.0709        |             |               | 1.800 | 46.00 | 22.00 | 9003050018000 |
| 0.0713        |             |               | 1.810 | 46.00 | 22.00 | 9003050018100 |
| 0.0717        |             |               | 1.820 | 46.00 | 22.00 | 9003050018200 |
| 0.0720        |             |               | 1.830 | 46.00 | 22.00 | 9003050018300 |
| 0.0724        |             |               | 1.840 | 46.00 | 22.00 | 9003050018400 |
| 0.0728        |             | 49            | 1.850 | 46.00 | 22.00 | 9003050018500 |
| 0.0732        |             |               | 1.860 | 46.00 | 22.00 | 9003050018600 |
| 0.0748        |             |               | 1.900 | 46.00 | 22.00 | 9003050019000 |
| 0.0760        |             | 48            | 1.930 | 49.00 | 24.00 | 9003050019300 |
| 0.0768        |             |               | 1.950 | 49.00 | 24.00 | 9003050019500 |
| 0.0776        |             |               | 1.970 | 49.00 | 24.00 | 9003050019700 |
| 0.0780        | 5/64        |               | 1.980 | 49.00 | 24.00 | 9003050019800 |
| 0.0783        |             | 47            | 1.990 | 49.00 | 24.00 | 9003050019900 |
| 0.0787        |             |               | 2.000 | 49.00 | 24.00 | 9003050020000 |
| 0.0791        |             |               | 2.010 | 49.00 | 24.00 | 9003050020100 |
| 0.0795        |             |               | 2.020 | 49.00 | 24.00 | 9003050020200 |
| 0.0799        |             |               | 2.030 | 49.00 | 24.00 | 9003050020300 |
| 0.0803        |             |               | 2.040 | 49.00 | 24.00 | 9003050020400 |
| 0.0807        |             |               | 2.050 | 49.00 | 24.00 | 9003050020500 |
| 0.0811        |             | 46            | 2.060 | 49.00 | 24.00 | 9003050020600 |
| 0.0819        |             | 45            | 2.080 | 49.00 | 24.00 | 9003050020800 |
| 0.0827        |             |               | 2.100 | 49.00 | 24.00 | 9003050021000 |
| 0.0846        |             |               | 2.150 | 53.00 | 27.00 | 9003050021500 |
| 0.0858        |             | 44            | 2.180 | 53.00 | 27.00 | 9003050021800 |
| 0.0866        |             |               | 2.200 | 53.00 | 27.00 | 9003050022000 |
| 0.0878        |             |               | 2.230 | 53.00 | 27.00 | 9003050022300 |
| 0.0886        |             |               | 2.250 | 53.00 | 27.00 | 9003050022500 |
| 0.0890        |             | 43            | 2.260 | 53.00 | 27.00 | 9003050022600 |
| 0.0906        |             |               | 2.300 | 53.00 | 27.00 | 9003050023000 |
| 0.0925        |             |               | 2.350 | 53.00 | 27.00 | 9003050023500 |
| 0.0933        |             | 42            | 2.370 | 57.00 | 30.00 | 9003050023700 |
| 0.0937        | 3/32        |               | 2.380 | 57.00 | 30.00 | 9003050023800 |
| 0.0945        |             |               | 2.400 | 57.00 | 30.00 | 9003050024000 |
| 0.0961        |             | 41            | 2.440 | 57.00 | 30.00 | 9003050024400 |
| 0.0965        |             |               | 2.450 | 57.00 | 30.00 | 9003050024500 |
| 0.0972        |             |               | 2.470 | 57.00 | 30.00 | 9003050024700 |
| 0.0980        |             | 40            | 2.490 | 57.00 | 30.00 | 9003050024900 |
| 0.0984        |             |               | 2.500 | 57.00 | 30.00 | 9003050025000 |
| 0.0992        |             |               | 2.520 | 57.00 | 30.00 | 9003050025200 |
| 0.0996        |             | 39            | 2.530 | 57.00 | 30.00 | 9003050025300 |
| 0.1004        |             |               | 2.550 | 57.00 | 30.00 | 9003050025500 |
| 0.1016        |             | 38            | 2.580 | 57.00 | 30.00 | 9003050025800 |
| 0.1024        |             |               | 2.600 | 57.00 | 30.00 | 9003050026000 |
| 0.1039        |             | 37            | 2.640 | 57.00 | 30.00 | 9003050026400 |
| 0.1043        |             |               | 2.650 | 57.00 | 30.00 | 9003050026500 |
| 0.1063        |             |               | 2.700 | 61.00 | 33.00 | 9003050027000 |
| 0.1067        |             | 36            | 2.710 | 61.00 | 33.00 | 9003050027100 |
| 0.1083        |             |               | 2.750 | 61.00 | 33.00 | 9003050027500 |
| 0.1094        | 7/64        |               | 2.780 | 61.00 | 33.00 | 9003050027800 |

| Diameter (d1) |             | Wire / letter | mm    | l1 mm | l2 mm | EDP #         |
|---------------|-------------|---------------|-------|-------|-------|---------------|
| Dec. inch     | Fract. inch |               |       |       |       |               |
| 0.1098        |             | 35            | 2.790 | 61.00 | 33.00 | 9003050027900 |
| 0.1102        |             |               | 2.800 | 61.00 | 33.00 | 9003050028000 |
| 0.1110        |             | 34            | 2.820 | 61.00 | 33.00 | 9003050028200 |
| 0.1122        |             |               | 2.850 | 61.00 | 33.00 | 9003050028500 |
| 0.1130        |             | 33            | 2.870 | 61.00 | 33.00 | 9003050028700 |
| 0.1142        |             |               | 2.900 | 61.00 | 33.00 | 9003050029000 |
| 0.1150        |             |               | 2.920 | 61.00 | 33.00 | 9003050029200 |
| 0.1161        |             | 32            | 2.950 | 61.00 | 33.00 | 9003050029500 |
| 0.1169        |             |               | 2.970 | 61.00 | 33.00 | 9003050029700 |
| 0.1181        |             |               | 3.000 | 61.00 | 33.00 | 9003050030000 |
| 0.1193        |             |               | 3.030 | 65.00 | 36.00 | 9003050030300 |
| 0.1201        |             | 31            | 3.050 | 65.00 | 36.00 | 9003050030500 |
| 0.1220        |             |               | 3.100 | 65.00 | 36.00 | 9003050031000 |
| 0.1240        |             |               | 3.150 | 65.00 | 36.00 | 9003050031500 |
| 0.1248        | 1/8         |               | 3.170 | 65.00 | 36.00 | 9003050031700 |
| 0.1260        |             |               | 3.200 | 65.00 | 36.00 | 9003050032000 |
| 0.1280        |             |               | 3.250 | 65.00 | 36.00 | 9003050032500 |
| 0.1283        |             | 30            | 3.260 | 65.00 | 36.00 | 9003050032600 |
| 0.1299        |             |               | 3.300 | 65.00 | 36.00 | 9003050033000 |
| 0.1311        |             |               | 3.330 | 65.00 | 36.00 | 9003050033300 |
| 0.1319        |             |               | 3.350 | 65.00 | 36.00 | 9003050033500 |
| 0.1339        |             |               | 3.400 | 70.00 | 39.00 | 9003050034000 |
| 0.1358        |             | 29            | 3.450 | 70.00 | 39.00 | 9003050034500 |
| 0.1378        |             |               | 3.500 | 70.00 | 39.00 | 9003050035000 |
| 0.1406        | 9/64        | 28            | 3.570 | 70.00 | 39.00 | 9003050035700 |
| 0.1417        |             |               | 3.600 | 70.00 | 39.00 | 9003050036000 |
| 0.1441        |             | 27            | 3.660 | 70.00 | 39.00 | 9003050036600 |
| 0.1457        |             |               | 3.700 | 70.00 | 39.00 | 9003050037000 |
| 0.1469        |             | 26            | 3.730 | 70.00 | 39.00 | 9003050037300 |
| 0.1476        |             |               | 3.750 | 70.00 | 39.00 | 9003050037500 |
| 0.1496        |             | 25            | 3.800 | 75.00 | 43.00 | 9003050038000 |
| 0.1516        |             |               | 3.850 | 75.00 | 43.00 | 9003050038500 |
| 0.1520        |             | 24            | 3.860 | 75.00 | 43.00 | 9003050038600 |
| 0.1535        |             |               | 3.900 | 75.00 | 43.00 | 9003050039000 |
| 0.1539        |             | 23            | 3.910 | 75.00 | 43.00 | 9003050039100 |
| 0.1563        | 5/32        |               | 3.970 | 75.00 | 43.00 | 9003050039700 |
| 0.1571        |             | 22            | 3.990 | 75.00 | 43.00 | 9003050039900 |
| 0.1575        |             |               | 4.000 | 75.00 | 43.00 | 9003050040000 |
| 0.1591        |             | 21            | 4.040 | 75.00 | 43.00 | 9003050040400 |
| 0.1610        |             | 20            | 4.090 | 75.00 | 43.00 | 9003050040900 |
| 0.1614        |             |               | 4.100 | 75.00 | 43.00 | 9003050041000 |
| 0.1622        |             |               | 4.120 | 75.00 | 43.00 | 9003050041200 |
| 0.1634        |             |               | 4.150 | 75.00 | 43.00 | 9003050041500 |
| 0.1642        |             |               | 4.170 | 75.00 | 43.00 | 9003050041700 |
| 0.1654        |             |               | 4.200 | 75.00 | 43.00 | 9003050042000 |
| 0.1661        |             | 19            | 4.220 | 75.00 | 43.00 | 9003050042200 |
| 0.1673        |             |               | 4.250 | 75.00 | 43.00 | 9003050042500 |
| 0.1693        |             | 18            | 4.300 | 80.00 | 47.00 | 9003050043000 |
| 0.1720        | 11/64       |               | 4.370 | 80.00 | 47.00 | 9003050043700 |
| 0.1728        |             | 17            | 4.390 | 80.00 | 47.00 | 9003050043900 |
| 0.1732        |             |               | 4.400 | 80.00 | 47.00 | 9003050044000 |
| 0.1752        |             |               | 4.450 | 80.00 | 47.00 | 9003050044500 |
| 0.1772        |             | 16            | 4.500 | 80.00 | 47.00 | 9003050045000 |
| 0.1799        |             | 15            | 4.570 | 80.00 | 47.00 | 9003050045700 |
| 0.1811        |             |               | 4.600 | 80.00 | 47.00 | 9003050046000 |
| 0.1819        |             | 14            | 4.620 | 80.00 | 47.00 | 9003050046200 |
| 0.1831        |             |               | 4.650 | 80.00 | 47.00 | 9003050046500 |
| 0.1850        |             | 13            | 4.700 | 80.00 | 47.00 | 9003050047000 |
| 0.1870        |             |               | 4.750 | 80.00 | 47.00 | 9003050047500 |
| 0.1874        | 3/16        |               | 4.760 | 86.00 | 52.00 | 9003050047600 |
| 0.1890        |             | 12            | 4.800 | 86.00 | 52.00 | 9003050048000 |
| 0.1909        |             | 11            | 4.850 | 86.00 | 52.00 | 9003050048500 |
| 0.1929        |             |               | 4.900 | 86.00 | 52.00 | 9003050049000 |
| 0.1937        |             | 10            | 4.920 | 86.00 | 52.00 | 9003050049200 |
| 0.1961        |             | 9             | 4.980 | 86.00 | 52.00 | 9003050049800 |
| 0.1969        |             |               | 5.000 | 86.00 | 52.00 | 9003050050000 |
| 0.1992        |             | 8             | 5.060 | 86.00 | 52.00 | 9003050050600 |
| 0.2008        |             |               | 5.100 | 86.00 | 52.00 | 9003050051000 |
| 0.2012        |             | 7             | 5.110 | 86.00 | 52.00 | 9003050051100 |
| 0.2031        | 13/64       |               | 5.160 | 86.00 | 52.00 | 9003050051600 |



# Series 305

## Speeds & Feeds information pg 432

| Dec.<br>inch | Diameter (d1)  |                  | l1<br>mm | l2<br>mm | EDP #  |               |
|--------------|----------------|------------------|----------|----------|--------|---------------|
|              | Fract.<br>inch | Wire /<br>letter |          |          |        |               |
| 0.5236       |                |                  | 13.300   | 160.00   | 108.00 | 9003050133000 |
| 0.5311       | 17/32          |                  | 13.490   | 160.00   | 108.00 | 9003050134900 |
| 0.5315       |                |                  | 13.500   | 160.00   | 108.00 | 9003050135000 |
| 0.5354       |                |                  | 13.600   | 160.00   | 108.00 | 9003050136000 |
| 0.5413       |                |                  | 13.750   | 160.00   | 108.00 | 9003050137500 |
| 0.5433       |                |                  | 13.800   | 160.00   | 108.00 | 9003050138000 |
| 0.5469       | 35/64          |                  | 13.890   | 160.00   | 108.00 | 9003050138900 |
| 0.5512       |                |                  | 14.000   | 160.00   | 108.00 | 9003050140000 |
| 0.5591       |                |                  | 14.200   | 169.00   | 114.00 | 9003050142000 |
| 0.5626       | 9/16           |                  | 14.290   | 169.00   | 114.00 | 9003050142900 |
| 0.5669       |                |                  | 14.400   | 169.00   | 114.00 | 9003050144000 |
| 0.5709       |                |                  | 14.500   | 169.00   | 114.00 | 9003050145000 |
| 0.5780       | 37/64          |                  | 14.680   | 169.00   | 114.00 | 9003050146800 |
| 0.5807       |                |                  | 14.750   | 169.00   | 114.00 | 9003050147500 |
| 0.5906       |                |                  | 15.000   | 169.00   | 114.00 | 9003050150000 |
| 0.5945       |                |                  | 15.100   | 178.00   | 120.00 | 9003050151000 |
| 0.6004       |                |                  | 15.250   | 178.00   | 120.00 | 9003050152500 |
| 0.6024       |                |                  | 15.300   | 178.00   | 120.00 | 9003050153000 |
| 0.6094       | 39/64          |                  | 15.480   | 178.00   | 120.00 | 9003050154800 |
| 0.6102       |                |                  | 15.500   | 178.00   | 120.00 | 9003050155000 |
| 0.6201       |                |                  | 15.750   | 178.00   | 120.00 | 9003050157500 |
| 0.6248       | 5/8            |                  | 15.870   | 178.00   | 120.00 | 9003050158700 |

| Dec.<br>inch | Diameter (d1)  |                  | l1<br>mm | l2<br>mm | EDP #  |               |
|--------------|----------------|------------------|----------|----------|--------|---------------|
|              | Fract.<br>inch | Wire /<br>letter |          |          |        |               |
| 0.6299       |                |                  | 16.000   | 178.00   | 120.00 | 9003050160000 |
| 0.6496       |                |                  | 16.500   | 184.00   | 125.00 | 9003050165000 |
| 0.6563       | 21/32          |                  | 16.670   | 184.00   | 125.00 | 9003050166700 |
| 0.6693       |                |                  | 17.000   | 184.00   | 125.00 | 9003050170000 |
| 0.6874       | 11/16          |                  | 17.460   | 191.00   | 130.00 | 9003050174600 |
| 0.6890       |                |                  | 17.500   | 191.00   | 130.00 | 9003050175000 |
| 0.7087       |                |                  | 18.000   | 191.00   | 130.00 | 9003050180000 |
| 0.7283       |                |                  | 18.500   | 198.00   | 135.00 | 9003050185000 |
| 0.7480       |                |                  | 19.000   | 198.00   | 135.00 | 9003050190000 |
| 0.7677       |                |                  | 19.500   | 205.00   | 140.00 | 9003050195000 |
| 0.7811       | 25/32          |                  | 19.840   | 205.00   | 140.00 | 9003050198400 |
| 0.7874       |                |                  | 20.000   | 205.00   | 140.00 | 9003050200000 |

### Alternative Drill Series:

- #651 HSS, GP, 5xD, 118 pt, TiN
- #605 Cobalt, Type Ti, 5xD, 118 pt, Bright
- #5519 Cobalt, GU500, 5xD, 118 pt, TiN
- #732 Carbide, GP, 5xD, 130 pt, Bright