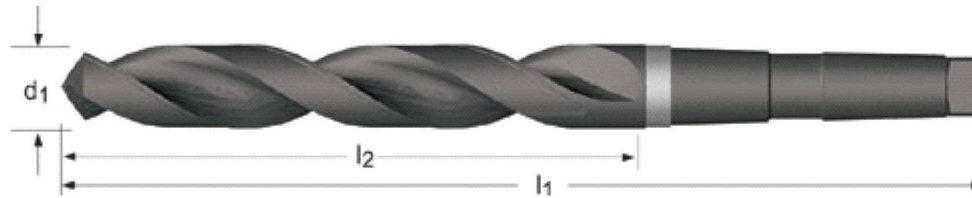


## A130

Taper Shank Drill



Above 14.0mm - Point Thinned



| $d_1$<br>Øh <sub>8</sub><br>Inch | $d_1$<br>Øh <sub>8</sub><br>mm | $d_1$<br>decimal<br>Inch | $l_2$<br>mm | $l_1$<br>mm | MK | e-code    |
|----------------------------------|--------------------------------|--------------------------|-------------|-------------|----|-----------|
|                                  | 2.00                           | 0.0787                   | 24          | 105         | 1  | A1302.0   |
|                                  | 2.50                           | 0.0984                   | 30          | 111         | 1  | A1302.5   |
|                                  | 3.00                           | 0.1181                   | 33          | 114         | 1  | A1303.0   |
| 1/8                              | 3.18                           | 0.1252                   | 36          | 117         | 1  | A1301/8   |
|                                  | 3.20                           | 0.1260                   | 36          | 117         | 1  | A1303.2   |
|                                  | 3.25                           | 0.1280                   | 36          | 117         | 1  | A1303.25  |
|                                  | 3.30                           | 0.1299                   | 36          | 117         | 1  | A1303.3   |
|                                  | 3.50                           | 0.1378                   | 39          | 120         | 1  | A1303.5   |
| 9/64                             | 3.57                           | 0.1406                   | 39          | 120         | 1  | A1309/64  |
|                                  | 3.75                           | 0.1476                   | 39          | 120         | 1  | A1303.75  |
| 5/32                             | 3.97                           | 0.1563                   | 43          | 124         | 1  | A1305/32  |
|                                  | 4.00                           | 0.1575                   | 43          | 124         | 1  | A1304.0   |
|                                  | 4.10                           | 0.1614                   | 43          | 124         | 1  | A1304.1   |
|                                  | 4.20                           | 0.1654                   | 43          | 124         | 1  | A1304.2   |
|                                  | 4.25                           | 0.1673                   | 43          | 124         | 1  | A1304.25  |
| 11/64                            | 4.37                           | 0.1720                   | 47          | 128         | 1  | A13011/64 |
|                                  | 4.50                           | 0.1772                   | 47          | 128         | 1  | A1304.5   |
|                                  | 4.75                           | 0.1870                   | 52          | 128         | 1  | A1304.75  |
| 3/16                             | 4.76                           | 0.1874                   | 52          | 133         | 1  | A1303/16  |
|                                  | 4.80                           | 0.1890                   | 52          | 133         | 1  | A1304.8   |
|                                  | 4.90                           | 0.1929                   | 52          | 133         | 1  | A1304.9   |
|                                  | 5.00                           | 0.1969                   | 52          | 133         | 1  | A1305.0   |
|                                  | 5.10                           | 0.2008                   | 52          | 133         | 1  | A1305.1   |
| 13/64                            | 5.16                           | 0.2031                   | 52          | 133         | 1  | A13013/64 |
|                                  | 5.20                           | 0.2047                   | 52          | 133         | 1  | A1305.2   |
|                                  | 5.25                           | 0.2067                   | 52          | 133         | 1  | A1305.25  |
|                                  | 5.40                           | 0.2126                   | 57          | 138         | 1  | A1305.4   |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
|   | 5.50                                    | 0.2165                            | 57                   | 138                  | 1  | A1305.5   |
| 7/32                                      | 5.56                                    | 0.2189                            | 57                   | 138                  | 1  | A1307/32  |
|   | 5.70                                    | 0.2244                            | 57                   | 138                  | 1  | A1305.7   |
|   | 5.75                                    | 0.2264                            | 57                   | 138                  | 1  | A1305.75  |
|   | 5.80                                    | 0.2283                            | 57                   | 138                  | 1  | A1305.8   |
|   | 5.90                                    | 0.2323                            | 57                   | 138                  | 1  | A1305.9   |
| 15/64                                     | 5.95                                    | 0.2343                            | 57                   | 138                  | 1  | A13015/64 |
|   | 6.00                                    | 0.2362                            | 57                   | 138                  | 1  | A1306.0   |
|   | 6.10                                    | 0.2402                            | 63                   | 144                  | 1  | A1306.1   |
|   | 6.20                                    | 0.2441                            | 63                   | 144                  | 1  | A1306.2   |
|   | 6.25                                    | 0.2461                            | 63                   | 144                  | 1  | A1306.25  |
|   | 6.30                                    | 0.2480                            | 63                   | 144                  | 1  | A1306.3   |
| 1/4                                       | 6.35                                    | 0.2500                            | 63                   | 144                  | 1  | A1301/4   |
|   | 6.40                                    | 0.2520                            | 63                   | 144                  | 1  | A1306.4   |
|   | 6.50                                    | 0.2559                            | 63                   | 144                  | 1  | A1306.5   |
|   | 6.60                                    | 0.2598                            | 63                   | 144                  | 1  | A1306.6   |
|   | 6.70                                    | 0.2638                            | 63                   | 144                  | 1  | A1306.7   |
| 17/64                                     | 6.75                                    | 0.2657                            | 69                   | 150                  | 1  | A13017/64 |
|   | 6.75                                    | 0.2657                            | 69                   | 150                  | 1  | A1306.75  |
|   | 6.80                                    | 0.2677                            | 69                   | 150                  | 1  | A1306.8   |
|   | 6.90                                    | 0.2717                            | 69                   | 150                  | 1  | A1306.9   |
|   | 7.00                                    | 0.2756                            | 69                   | 150                  | 1  | A1307.0   |
| 9/32                                      | 7.14                                    | 0.2811                            | 69                   | 150                  | 1  | A1309/32  |
|   | 7.20                                    | 0.2835                            | 69                   | 150                  | 1  | A1307.2   |
|   | 7.25                                    | 0.2854                            | 69                   | 150                  | 1  | A1307.25  |
|   | 7.30                                    | 0.2874                            | 69                   | 150                  | 1  | A1307.3   |
|   | 7.40                                    | 0.2913                            | 69                   | 150                  | 1  | A1307.4   |
|   | 7.50                                    | 0.2953                            | 69                   | 150                  | 1  | A1307.5   |
| 19/64                                     | 7.54                                    | 0.2969                            | 75                   | 156                  | 1  | A13019/64 |
|   | 7.70                                    | 0.3031                            | 75                   | 156                  | 1  | A1307.7   |
|   | 7.75                                    | 0.3051                            | 75                   | 156                  | 1  | A1307.75  |
|   | 7.80                                    | 0.3071                            | 75                   | 156                  | 1  | A1307.8   |
|   | 7.90                                    | 0.3110                            | 75                   | 156                  | 1  | A1307.9   |
| 5/16                                      | 7.94                                    | 0.3126                            | 75                   | 156                  | 1  | A1305/16  |
|   | 8.00                                    | 0.3150                            | 75                   | 156                  | 1  | A1308.0   |
|   | 8.10                                    | 0.3189                            | 75                   | 156                  | 1  | A1308.1   |
|   | 8.20                                    | 0.3228                            | 75                   | 156                  | 1  | A1308.2   |
|   | 8.25                                    | 0.3248                            | 75                   | 156                  | 1  | A1308.25  |
|   | 8.30                                    | 0.3268                            | 75                   | 156                  | 1  | A1308.3   |
| 21/64                                     | 8.33                                    | 0.3280                            | 75                   | 156                  | 1  | A13021/64 |
|   | 8.40                                    | 0.3307                            | 75                   | 156                  | 1  | A1308.4   |
|   | 8.50                                    | 0.3346                            | 75                   | 156                  | 1  | A1308.5   |
|   | 8.60                                    | 0.3386                            | 81                   | 162                  | 1  | A1308.6   |
|   | 8.70                                    | 0.3425                            | 81                   | 162                  | 1  | A1308.7   |
| 11/32                                     | 8.73                                    | 0.3437                            | 81                   | 162                  | 1  | A13011/32 |
|   | 8.75                                    | 0.3445                            | 81                   | 162                  | 1  | A1308.75  |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
|   | 8.80                                    | 0.3465                            | 81                   | 162                  | 1  | A1308.8   |
|   | 8.90                                    | 0.3504                            | 81                   | 162                  | 1  | A1308.9   |
|   | 9.00                                    | 0.3543                            | 81                   | 162                  | 1  | A1309.0   |
|   | 9.10                                    | 0.3583                            | 81                   | 162                  | 1  | A1309.1   |
| 23/64                                     | 9.13                                    | 0.3594                            | 81                   | 162                  | 1  | A13023/64 |
|   | 9.20                                    | 0.3622                            | 81                   | 162                  | 1  | A1309.2   |
|   | 9.25                                    | 0.3642                            | 81                   | 162                  | 1  | A1309.25  |
|   | 9.30                                    | 0.3661                            | 81                   | 162                  | 1  | A1309.3   |
|   | 9.50                                    | 0.3740                            | 81                   | 162                  | 1  | A1309.5   |
| 3/8                                       | 9.52                                    | 0.3748                            | 87                   | 168                  | 1  | A1303/8   |
|   | 9.60                                    | 0.3780                            | 87                   | 168                  | 1  | A1309.6   |
|   | 9.70                                    | 0.3819                            | 87                   | 168                  | 1  | A1309.7   |
|   | 9.75                                    | 0.3839                            | 87                   | 168                  | 1  | A1309.75  |
|   | 9.80                                    | 0.3858                            | 87                   | 168                  | 1  | A1309.8   |
|   | 9.90                                    | 0.3898                            | 87                   | 168                  | 1  | A1309.9   |
| 25/64                                     | 9.92                                    | 0.3906                            | 87                   | 168                  | 1  | A13025/64 |
|   | 10.00                                   | 0.3937                            | 87                   | 168                  | 1  | A13010.0  |
|   | 10.10                                   | 0.3976                            | 87                   | 168                  | 1  | A13010.1  |
|   | 10.20                                   | 0.4016                            | 87                   | 168                  | 1  | A13010.2  |
|   | 10.25                                   | 0.4035                            | 87                   | 168                  | 1  | A13010.25 |
|   | 10.30                                   | 0.4055                            | 87                   | 168                  | 1  | A13010.3  |
| 13/32                                     | 10.32                                   | 0.4063                            | 87                   | 168                  | 1  | A13013/32 |
|   | 10.50                                   | 0.4134                            | 87                   | 168                  | 1  | A13010.5  |
| 27/64                                     | 10.72                                   | 0.4220                            | 94                   | 175                  | 1  | A13027/64 |
|   | 10.75                                   | 0.4232                            | 94                   | 175                  | 1  | A13010.75 |
|   | 10.80                                   | 0.4252                            | 94                   | 175                  | 1  | A13010.8  |
|   | 10.90                                   | 0.4291                            | 94                   | 175                  | 1  | A13010.9  |
|   | 11.00                                   | 0.4331                            | 94                   | 175                  | 1  | A13011.0  |
|   | 11.10                                   | 0.4370                            | 94                   | 175                  | 1  | A13011.1  |
| 7/16                                      | 11.11                                   | 0.4374                            | 94                   | 175                  | 1  | A1307/16  |
|   | 11.20                                   | 0.4409                            | 94                   | 175                  | 1  | A13011.2  |
|   | 11.25                                   | 0.4429                            | 94                   | 175                  | 1  | A13011.25 |
|   | 11.30                                   | 0.4449                            | 94                   | 175                  | 1  | A13011.3  |
|   | 11.40                                   | 0.4488                            | 94                   | 175                  | 1  | A13011.4  |
|   | 11.50                                   | 0.4528                            | 94                   | 175                  | 1  | A13011.5  |
| 29/64                                     | 11.51                                   | 0.4531                            | 94                   | 175                  | 1  | A13029/64 |
|   | 11.60                                   | 0.4567                            | 94                   | 175                  | 1  | A13011.6  |
|   | 11.70                                   | 0.4606                            | 94                   | 175                  | 1  | A13011.7  |
|   | 11.75                                   | 0.4626                            | 94                   | 175                  | 1  | A13011.75 |
|   | 11.80                                   | 0.4646                            | 94                   | 175                  | 1  | A13011.8  |
|   | 11.90                                   | 0.4685                            | 101                  | 182                  | 1  | A13011.9  |
| 15/32                                     | 11.91                                   | 0.4689                            | 101                  | 182                  | 1  | A13015/32 |
|   | 12.00                                   | 0.4724                            | 101                  | 182                  | 1  | A13012.0  |
|   | 12.10                                   | 0.4764                            | 101                  | 182                  | 1  | A13012.1  |
|   | 12.20                                   | 0.4803                            | 101                  | 182                  | 1  | A13012.2  |
|   | 12.25                                   | 0.4823                            | 101                  | 182                  | 1  | A13012.25 |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
| 31/64                                     | 12.30                                   | 0.4843                            | 101                  | 182                  | 1  | A13031/64 |
|   | 12.30                                   | 0.4843                            | 101                  | 182                  | 1  | A13012.3  |
|   | 12.40                                   | 0.4882                            | 101                  | 182                  | 1  | A13012.4  |
|   | 12.50                                   | 0.4921                            | 101                  | 182                  | 1  | A13012.5  |
|   | 12.60                                   | 0.4961                            | 101                  | 182                  | 1  | A13012.6  |
|   | 12.70                                   | 0.5000                            | 101                  | 182                  | 1  | A13012.7  |
| 1/2                                       | 12.70                                   | 0.5000                            | 101                  | 182                  | 1  | A1301/2   |
|   | 12.75                                   | 0.5020                            | 101                  | 182                  | 1  | A13012.75 |
|   | 12.80                                   | 0.5039                            | 101                  | 182                  | 1  | A13012.8  |
|   | 12.90                                   | 0.5079                            | 101                  | 182                  | 1  | A13012.9  |
|   | 13.00                                   | 0.5118                            | 101                  | 182                  | 1  | A13013.0  |
| 33/64                                     | 13.10                                   | 0.5157                            | 101                  | 182                  | 1  | A13033/64 |
|   | 13.20                                   | 0.5197                            | 101                  | 182                  | 1  | A13013.2  |
|   | 13.25                                   | 0.5217                            | 108                  | 189                  | 1  | A13013.25 |
| 17/32                                     | 13.49                                   | 0.5311                            | 108                  | 189                  | 1  | A13017/32 |
|   | 13.50                                   | 0.5315                            | 108                  | 189                  | 1  | A13013.5  |
|   | 13.60                                   | 0.5354                            | 108                  | 189                  | 1  | A13013.6  |
|   | 13.70                                   | 0.5394                            | 108                  | 189                  | 1  | A13013.7  |
|   | 13.75                                   | 0.5413                            | 108                  | 189                  | 1  | A13013.75 |
|   | 13.80                                   | 0.5433                            | 108                  | 189                  | 1  | A13013.8  |
| 35/64                                     | 13.89                                   | 0.5469                            | 108                  | 189                  | 1  | A13035/64 |
|   | 13.90                                   | 0.5472                            | 108                  | 189                  | 1  | A13013.9  |
|   | 14.00                                   | 0.5512                            | 108                  | 189                  | 1  | A13014.0  |
|   | 14.10                                   | 0.5551                            | 114                  | 212                  | 2  | A13014.1  |
|   | 14.20                                   | 0.5591                            | 114                  | 212                  | 2  | A13014.2  |
|   | 14.25                                   | 0.5610                            | 114                  | 212                  | 2  | A13014.25 |
| 9/16                                      | 14.29                                   | 0.5626                            | 114                  | 212                  | 2  | A1309/16  |
|   | 14.30                                   | 0.5630                            | 114                  | 212                  | 2  | A13014.3  |
|   | 14.40                                   | 0.5669                            | 114                  | 212                  | 2  | A13014.4  |
|   | 14.50                                   | 0.5709                            | 114                  | 212                  | 2  | A13014.5  |
|   | 14.60                                   | 0.5748                            | 114                  | 212                  | 2  | A13014.6  |
| 37/64                                     | 14.68                                   | 0.5780                            | 114                  | 212                  | 2  | A13037/64 |
|   | 14.70                                   | 0.5787                            | 114                  | 212                  | 2  | A13014.7  |
|   | 14.75                                   | 0.5807                            | 114                  | 212                  | 2  | A13014.75 |
|   | 14.80                                   | 0.5827                            | 114                  | 212                  | 2  | A13014.8  |
|   | 14.90                                   | 0.5866                            | 114                  | 212                  | 2  | A13014.9  |
|   | 15.00                                   | 0.5906                            | 114                  | 212                  | 2  | A13015.0  |
| 19/32                                     | 15.08                                   | 0.5937                            | 120                  | 218                  | 2  | A13019/32 |
|   | 15.10                                   | 0.5945                            | 120                  | 218                  | 2  | A13015.1  |
|   | 15.20                                   | 0.5984                            | 120                  | 218                  | 2  | A13015.2  |
|   | 15.25                                   | 0.6004                            | 120                  | 218                  | 2  | A13015.25 |
| 39/64                                     | 15.48                                   | 0.6094                            | 120                  | 218                  | 2  | A13039/64 |
|   | 15.50                                   | 0.6102                            | 120                  | 218                  | 2  | A13015.5  |
|   | 15.70                                   | 0.6181                            | 120                  | 218                  | 2  | A13015.7  |
|   | 15.75                                   | 0.6201                            | 120                  | 218                  | 2  | A13015.75 |
|   | 15.80                                   | 0.6220                            | 120                  | 218                  | 2  | A13015.8  |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
| 5/8                                       | 15.88                                   | 0.6252                            | 120                  | 218                  | 2  | A1305/8   |
|   | 15.90                                   | 0.6260                            | 120                  | 218                  | 2  | A13015.9  |
|   | 16.00                                   | 0.6299                            | 120                  | 218                  | 2  | A13016.0  |
|   | 16.10                                   | 0.6339                            | 125                  | 223                  | 2  | A13016.1  |
|   | 16.20                                   | 0.6378                            | 125                  | 223                  | 2  | A13016.2  |
|   | 16.25                                   | 0.6398                            | 125                  | 223                  | 2  | A13016.25 |
| 41/64                                     | 16.27                                   | 0.6406                            | 125                  | 223                  | 2  | A13041/64 |
|   | 16.50                                   | 0.6496                            | 125                  | 223                  | 2  | A13016.5  |
| 21/32                                     | 16.67                                   | 0.6563                            | 125                  | 223                  | 2  | A13021/32 |
|   | 16.75                                   | 0.6594                            | 125                  | 223                  | 2  | A13016.75 |
|   | 17.00                                   | 0.6693                            | 125                  | 223                  | 2  | A13017.0  |
| 43/64                                     | 17.07                                   | 0.6720                            | 130                  | 228                  | 2  | A13043/64 |
|   | 17.25                                   | 0.6791                            | 130                  | 228                  | 2  | A13017.25 |
| 11/16                                     | 17.46                                   | 0.6874                            | 130                  | 228                  | 2  | A13011/16 |
|   | 17.50                                   | 0.6890                            | 130                  | 228                  | 2  | A13017.5  |
|   | 17.75                                   | 0.6988                            | 130                  | 228                  | 2  | A13017.75 |
| 45/64                                     | 17.86                                   | 0.7031                            | 130                  | 228                  | 2  | A13045/64 |
|   | 18.00                                   | 0.7087                            | 130                  | 228                  | 2  | A13018.0  |
|   | 18.25                                   | 0.7185                            | 135                  | 233                  | 2  | A13018.25 |
| 23/32                                     | 18.26                                   | 0.7189                            | 135                  | 233                  | 2  | A13023/32 |
|   | 18.50                                   | 0.7283                            | 135                  | 233                  | 2  | A13018.5  |
| 47/64                                     | 18.65                                   | 0.7343                            | 135                  | 233                  | 2  | A13047/64 |
|   | 18.75                                   | 0.7382                            | 135                  | 233                  | 2  | A13018.75 |
|   | 19.00                                   | 0.7480                            | 135                  | 233                  | 2  | A13019.0  |
| 3/4                                       | 19.05                                   | 0.7500                            | 140                  | 238                  | 2  | A1303/4   |
|   | 19.25                                   | 0.7579                            | 140                  | 238                  | 2  | A13019.25 |
| 49/64                                     | 19.45                                   | 0.7657                            | 140                  | 238                  | 2  | A13049/64 |
|   | 19.50                                   | 0.7677                            | 140                  | 238                  | 2  | A13019.5  |
|   | 19.75                                   | 0.7776                            | 140                  | 238                  | 2  | A13019.75 |
| 25/32                                     | 19.84                                   | 0.7811                            | 140                  | 238                  | 2  | A13025/32 |
|   | 20.00                                   | 0.7874                            | 140                  | 238                  | 2  | A13020.0  |
| 51/64                                     | 20.24                                   | 0.7969                            | 145                  | 243                  | 2  | A13051/64 |
|   | 20.25                                   | 0.7972                            | 145                  | 243                  | 2  | A13020.25 |
|   | 20.40                                   | 0.8031                            | 145                  | 243                  | 2  | A13020.4  |
|   | 20.50                                   | 0.8071                            | 145                  | 243                  | 2  | A13020.5  |
| 13/16                                     | 20.64                                   | 0.8126                            | 145                  | 243                  | 2  | A13013/16 |
|   | 20.75                                   | 0.8169                            | 145                  | 243                  | 2  | A13020.75 |
|   | 21.00                                   | 0.8268                            | 145                  | 243                  | 2  | A13021.0  |
| 53/64                                     | 21.03                                   | 0.8280                            | 145                  | 243                  | 2  | A13053/64 |
|   | 21.25                                   | 0.8366                            | 150                  | 248                  | 2  | A13021.25 |
| 27/32                                     | 21.43                                   | 0.8437                            | 150                  | 248                  | 2  | A13027/32 |
|   | 21.50                                   | 0.8465                            | 150                  | 248                  | 2  | A13021.5  |
|   | 21.75                                   | 0.8563                            | 150                  | 248                  | 2  | A13021.75 |
| 55/64                                     | 21.83                                   | 0.8594                            | 150                  | 248                  | 2  | A13055/64 |
|   | 22.00                                   | 0.8661                            | 150                  | 248                  | 2  | A13022.0  |
| 7/8                                       | 22.22                                   | 0.8748                            | 150                  | 248                  | 2  | A1307/8   |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code     |
|---|---|-----------------------------------|----------------------|----------------------|----|------------|
|   | 22.25                                   | 0.8760                            | 150                  | 248                  | 2  | A13022.25  |
|   | 22.50                                   | 0.8858                            | 155                  | 253                  | 2  | A13022.5   |
| 57/64                                     | 22.62                                   | 0.8906                            | 155                  | 253                  | 2  | A13057/64  |
|   | 22.75                                   | 0.8957                            | 155                  | 253                  | 2  | A13022.75  |
|   | 23.00                                   | 0.9055                            | 155                  | 253                  | 2  | A13023.0   |
| 29/32                                     | 23.02                                   | 0.9063                            | 155                  | 253                  | 2  | A13029/32  |
|   | 23.25                                   | 0.9154                            | 155                  | 276                  | 3  | A13023.25  |
| 59/64                                     | 23.42                                   | 0.9220                            | 155                  | 276                  | 3  | A13059/64  |
|   | 23.50                                   | 0.9252                            | 155                  | 276                  | 3  | A13023.5   |
|   | 23.75                                   | 0.9350                            | 160                  | 281                  | 3  | A13023.75  |
| 15/16                                     | 23.81                                   | 0.9374                            | 160                  | 281                  | 3  | A13015/16  |
|   | 24.00                                   | 0.9449                            | 160                  | 281                  | 3  | A13024.0   |
| 61/64                                     | 24.21                                   | 0.9531                            | 160                  | 281                  | 3  | A13061/64  |
|   | 24.25                                   | 0.9547                            | 160                  | 281                  | 3  | A13024.25  |
|   | 24.50                                   | 0.9646                            | 160                  | 281                  | 3  | A13024.5   |
| 31/32                                     | 24.61                                   | 0.9689                            | 160                  | 281                  | 3  | A13031/32  |
|   | 24.75                                   | 0.9744                            | 160                  | 281                  | 3  | A13024.75  |
|   | 25.00                                   | 0.9843                            | 160                  | 281                  | 3  | A13025.0   |
| 63/64                                     | 25.00                                   | 0.9843                            | 160                  | 286                  | 3  | A13063/64  |
|   | 25.25                                   | 0.9941                            | 165                  | 286                  | 3  | A13025.25  |
| 1"  | 25.40                                   | 1.0000                            | 165                  | 286                  | 3  | A1301      |
|   | 25.50                                   | 1.0039                            | 165                  | 286                  | 3  | A13025.5   |
|   | 25.75                                   | 1.0138                            | 165                  | 286                  | 3  | A13025.75  |
|   | 26.00                                   | 1.0236                            | 165                  | 286                  | 3  | A13026.0   |
|   | 26.25                                   | 1.0335                            | 165                  | 286                  | 3  | A13026.25  |
|   | 26.50                                   | 1.0433                            | 165                  | 286                  | 3  | A13026.5   |
|   | 26.75                                   | 1.0531                            | 170                  | 291                  | 3  | A13026.75  |
| 1.1/16                                    | 26.99                                   | 1.0626                            | 170                  | 291                  | 3  | A1301.1/16 |
|   | 27.00                                   | 1.0630                            | 170                  | 291                  | 3  | A13027.0   |
|   | 27.25                                   | 1.0728                            | 170                  | 291                  | 3  | A13027.25  |
|   | 27.50                                   | 1.0827                            | 170                  | 291                  | 3  | A13027.5   |
|   | 27.75                                   | 1.0925                            | 170                  | 291                  | 3  | A13027.75  |
|   | 28.00                                   | 1.1024                            | 170                  | 291                  | 3  | A13028.0   |
|   | 28.25                                   | 1.1122                            | 175                  | 296                  | 3  | A13028.25  |
|   | 28.50                                   | 1.1220                            | 175                  | 296                  | 3  | A13028.5   |
| 1.1/8                                     | 28.58                                   | 1.1252                            | 175                  | 296                  | 3  | A1301.1/8  |
|   | 28.75                                   | 1.1319                            | 175                  | 296                  | 3  | A13028.75  |
|   | 29.00                                   | 1.1417                            | 175                  | 296                  | 3  | A13029.0   |
|   | 29.25                                   | 1.1516                            | 175                  | 296                  | 3  | A13029.25  |
| 1.5/32                                    | 29.37                                   | 1.1563                            | 175                  | 296                  | 3  | A1301.5/32 |
|   | 29.50                                   | 1.1614                            | 175                  | 296                  | 3  | A13029.5   |
|   | 29.75                                   | 1.1713                            | 175                  | 296                  | 3  | A13029.75  |
|   | 30.00                                   | 1.1811                            | 175                  | 296                  | 3  | A13030.0   |
| 1.3/16                                    | 30.16                                   | 1.1874                            | 180                  | 301                  | 3  | A1301.3/16 |
|   | 30.25                                   | 1.1909                            | 180                  | 301                  | 3  | A13030.25  |
|   | 30.50                                   | 1.2008                            | 180                  | 301                  | 3  | A13030.5   |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code      |
|---|---|-----------------------------------|----------------------|----------------------|----|-------------|
|   | 30.75                                   | 1.2106                            | 180                  | 301                  | 3  | A13030.75   |
| 1.7/32                                    | 30.96                                   | 1.2189                            | 180                  | 301                  | 3  | A1301.7/32  |
|   | 31.00                                   | 1.2205                            | 180                  | 301                  | 3  | A13031.0    |
|   | 31.25                                   | 1.2303                            | 180                  | 301                  | 3  | A13031.25   |
|   | 31.50                                   | 1.2402                            | 180                  | 301                  | 3  | A13031.5    |
|   | 31.75                                   | 1.2500                            | 185                  | 306                  | 3  | A13031.75   |
| 1.1/4                                     | 31.75                                   | 1.2500                            | 185                  | 306                  | 3  | A1301.1/4   |
|   | 32.00                                   | 1.2598                            | 185                  | 334                  | 4  | A13032.0    |
|   | 32.50                                   | 1.2795                            | 185                  | 334                  | 4  | A13032.5    |
| 1.9/32                                    | 32.54                                   | 1.2811                            | 185                  | 334                  | 4  | A1301.9/32  |
|   | 33.00                                   | 1.2992                            | 185                  | 334                  | 4  | A13033.0    |
| 1.5/16                                    | 33.34                                   | 1.3126                            | 185                  | 334                  | 4  | A1301.5/16  |
|   | 33.50                                   | 1.3189                            | 185                  | 334                  | 4  | A13033.5    |
|   | 34.00                                   | 1.3386                            | 190                  | 339                  | 4  | A13034.0    |
| 1.11/32                                   | 34.13                                   | 1.3437                            | 190                  | 339                  | 4  | A1301.11/32 |
|   | 34.50                                   | 1.3583                            | 190                  | 339                  | 4  | A13034.5    |
| 1.3/8                                     | 34.93                                   | 1.3752                            | 190                  | 339                  | 4  | A1301.3/8   |
|   | 35.00                                   | 1.3780                            | 190                  | 339                  | 4  | A13035.0    |
|   | 35.50                                   | 1.3976                            | 190                  | 339                  | 4  | A13035.5    |
| 1.13/32                                   | 35.72                                   | 1.4063                            | 195                  | 344                  | 4  | A1301.13/32 |
|   | 36.00                                   | 1.4173                            | 195                  | 344                  | 4  | A13036.0    |
|   | 36.50                                   | 1.4370                            | 195                  | 344                  | 4  | A13036.5    |
| 1.7/16                                    | 36.51                                   | 1.4374                            | 195                  | 344                  | 4  | A1301.7/16  |
|   | 37.00                                   | 1.4567                            | 195                  | 344                  | 4  | A13037.0    |
|   | 37.50                                   | 1.4764                            | 195                  | 344                  | 4  | A13037.5    |
|   | 38.00                                   | 1.4961                            | 200                  | 349                  | 4  | A13038.0    |
| 1.1/2                                     | 38.10                                   | 1.5000                            | 200                  | 349                  | 4  | A1301.1/2   |
|   | 38.50                                   | 1.5157                            | 200                  | 349                  | 4  | A13038.5    |
|   | 39.00                                   | 1.5354                            | 200                  | 349                  | 4  | A13039.0    |
|   | 39.50                                   | 1.5551                            | 200                  | 349                  | 4  | A13039.5    |
| 1.9/16                                    | 39.69                                   | 1.5626                            | 200                  | 349                  | 4  | A1301.9/16  |
|   | 40.00                                   | 1.5748                            | 200                  | 349                  | 4  | A13040.0    |
|   | 40.50                                   | 1.5945                            | 205                  | 354                  | 4  | A13040.5    |
|   | 41.00                                   | 1.6142                            | 205                  | 354                  | 4  | A13041.0    |
| 1.5/8                                     | 41.28                                   | 1.6252                            | 205                  | 354                  | 4  | A1301.5/8   |
|   | 41.50                                   | 1.6339                            | 205                  | 354                  | 4  | A13041.5    |
|   | 42.00                                   | 1.6535                            | 205                  | 354                  | 4  | A13042.0    |
|   | 42.50                                   | 1.6732                            | 205                  | 354                  | 4  | A13042.5    |
| 1.11/16                                   | 42.86                                   | 1.6874                            | 210                  | 359                  | 4  | A1301.11/16 |
|   | 43.00                                   | 1.6929                            | 210                  | 359                  | 4  | A13043.0    |
|   | 43.50                                   | 1.7126                            | 210                  | 359                  | 4  | A13043.5    |
|   | 44.00                                   | 1.7323                            | 210                  | 359                  | 4  | A13044.0    |
| 1.3/4                                     | 44.45                                   | 1.7500                            | 210                  | 359                  | 4  | A1301.3/4   |
|   | 44.50                                   | 1.7520                            | 210                  | 359                  | 4  | A13044.5    |
|   | 45.00                                   | 1.7717                            | 210                  | 359                  | 4  | A13045.0    |
|   | 45.50                                   | 1.7913                            | 215                  | 364                  | 4  | A13045.5    |

| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
|   | 46.00                                   | 1.8110                            | 215                  | 364                  | 4  | A13046.0  |
|   | 46.50                                   | 1.8307                            | 215                  | 364                  | 4  | A13046.5  |
|   | 47.00                                   | 1.8504                            | 215                  | 364                  | 4  | A13047.0  |
|   | 47.50                                   | 1.8701                            | 215                  | 364                  | 4  | A13047.5  |
|   | 48.00                                   | 1.8898                            | 220                  | 369                  | 4  | A13048.0  |
|   | 48.50                                   | 1.9094                            | 220                  | 369                  | 4  | A13048.5  |
|   | 49.00                                   | 1.9291                            | 220                  | 369                  | 4  | A13049.0  |
|   | 49.50                                   | 1.9488                            | 220                  | 369                  | 4  | A13049.5  |
|   | 50.00                                   | 1.9685                            | 220                  | 369                  | 4  | A13050.0  |
| 2"  | 50.80                                   | 2.0000                            | 225                  | 374                  | 4  | A1302     |
|   | 51.00                                   | 2.0079                            | 225                  | 412                  | 5  | A13051.0  |
|   | 52.00                                   | 2.0472                            | 225                  | 412                  | 5  | A13052.0  |
|   | 53.00                                   | 2.0866                            | 225                  | 412                  | 5  | A13053.0  |
|   | 54.00                                   | 2.1260                            | 230                  | 417                  | 5  | A13054.0  |
|   | 55.00                                   | 2.1654                            | 230                  | 417                  | 5  | A13055.0  |
|   | 56.00                                   | 2.2047                            | 230                  | 417                  | 5  | A13056.0  |
|   | 57.00                                   | 2.2441                            | 235                  | 422                  | 5  | A13057.0  |
|   | 58.00                                   | 2.2835                            | 235                  | 422                  | 5  | A13058.0  |
|   | 59.00                                   | 2.3228                            | 235                  | 422                  | 5  | A13059.0  |
|   | 60.00                                   | 2.3622                            | 235                  | 422                  | 5  | A13060.0  |
|   | 61.00                                   | 2.4016                            | 240                  | 427                  | 5  | A13061.0  |
|   | 62.00                                   | 2.4409                            | 240                  | 427                  | 5  | A13062.0  |
|   | 63.00                                   | 2.4803                            | 240                  | 427                  | 5  | A13063.0  |
| 2.1/2                                     | 63.50                                   | 2.5000                            | 245                  | 432                  | 5  | A1302.1/2 |
|   | 64.00                                   | 2.5197                            | 245                  | 432                  | 5  | A13064.0  |
|   | 65.00                                   | 2.5591                            | 245                  | 432                  | 5  | A13065.0  |
|   | 66.00                                   | 2.5984                            | 245                  | 432                  | 5  | A13066.0  |
| 2.5/8                                     | 66.68                                   | 2.6252                            | 245                  | 432                  | 5  | A1302.5/8 |
|   | 67.00                                   | 2.6378                            | 245                  | 432                  | 5  | A13067.0  |
|   | 68.00                                   | 2.6772                            | 250                  | 437                  | 5  | A13068.0  |
|   | 69.00                                   | 2.7165                            | 250                  | 437                  | 5  | A13069.0  |
| 2.3/4                                     | 69.85                                   | 2.7500                            | 250                  | 437                  | 5  | A1302.3/4 |
|   | 70.00                                   | 2.7559                            | 250                  | 437                  | 5  | A13070.0  |
|   | 71.00                                   | 2.7953                            | 250                  | 437                  | 5  | A13071.0  |
|   | 72.00                                   | 2.8346                            | 255                  | 442                  | 5  | A13072.0  |
|   | 73.00                                   | 2.8740                            | 255                  | 442                  | 5  | A13073.0  |
| 2.7/8                                     | 73.03                                   | 2.8752                            | 255                  | 442                  | 5  | A1302.7/8 |
|   | 74.00                                   | 2.9134                            | 255                  | 442                  | 5  | A13074.0  |
|   | 75.00                                   | 2.9528                            | 255                  | 442                  | 5  | A13075.0  |
|   | 76.00                                   | 2.9921                            | 260                  | 447                  | 5  | A13076.0  |
| 3"  | 76.20                                   | 3.0000                            | 260                  | 447                  | 5  | A1303     |
|   | 77.00                                   | 3.0315                            | 260                  | 514                  | 6  | A13077.0  |
|   | 78.00                                   | 3.0709                            | 260                  | 514                  | 6  | A13078.0  |
|   | 79.00                                   | 3.1102                            | 260                  | 514                  | 6  | A13079.0  |
|   | 80.00                                   | 3.1496                            | 260                  | 514                  | 6  | A13080.0  |
|   | 81.00                                   | 3.1890                            | 265                  | 519                  | 6  | A13081.0  |



| d <sub>1</sub><br>Øh <sub>8</sub><br>Inch | d <sub>1</sub><br>Øh <sub>8</sub><br>mm | d <sub>1</sub><br>decimal<br>Inch | l <sub>2</sub><br>mm | l <sub>1</sub><br>mm | MK | e-code    |
|---|---|-----------------------------------|----------------------|----------------------|----|-----------|
|   | 84.00                                   | 3.3071                            | 265                  | 519                  | 6  | A13084.0  |
|   | 85.00                                   | 3.3465                            | 265                  | 519                  | 6  | A13085.0  |
|   | 90.00                                   | 3.5433                            | 270                  | 524                  | 6  | A13090.0  |
|   | 95.00                                   | 3.7402                            | 275                  | 529                  | 6  | A13095.0  |
|   | 100.00                                  | 3.9370                            | 280                  | 534                  | 6  | A130100.0 |