

# 11000

## HSS Morse Taper Shank DIN345 Drill



General-purpose drill, to drill steels with tensile strength up to 1000N/mm<sup>2</sup>, cast steel, grey cast iron, malleable cast iron, nickel brass and graphite.

|                |                         |
|----------------|-------------------------|
| Discount Group | 41                      |
| Material       | HSS                     |
| Standard       | DIN345                  |
| Depth Of Cut   | 4-5 x Ø                 |
| Point Angle    | 118°                    |
| Packing Unit   | All Sizes Packed in 1's |

|                       |       |
|-----------------------|-------|
| Surface Treatment     | Steam |
| Shank Type            | MTS   |
| Helix Group (Din1836) | N     |
| Cutting Direction     | RH    |
| Tolerance             | h8    |

| MTS3<br>mm Ø | Ø<br>Inch | Ø<br>Dec Inch | O/all<br>Length<br>mm | Flute<br>Length<br>mm |
|--------------|-----------|---------------|-----------------------|-----------------------|
| 23.25        |           | 0.9153        | 276.0                 | 155.0                 |
| 23.414       | 59/64"    | 0.9218        | 276.0                 | 155.0                 |
| 23.50        |           | 0.9251        | 276.0                 | 155.0                 |
| 23.75        |           | 0.9350        | 281.0                 | 160.0                 |
| 23.813       | 15/16"    | 0.9375        | 281.0                 | 160.0                 |
| 24.00        |           | 0.9448        | 281.0                 | 160.0                 |
| 24.209       | 61/64"    | 0.9531        | 281.0                 | 160.0                 |
| 24.25        |           | 0.9547        | 281.0                 | 160.0                 |
| 24.50        |           | 0.9645        | 281.0                 | 160.0                 |
| 24.605       | 31/32"    | 0.9687        | 281.0                 | 160.0                 |
| 24.75        |           | 0.9744        | 281.0                 | 160.0                 |
| 25.00        |           | 0.9842        | 281.0                 | 160.0                 |
| 25.001       | 63/64"    | 0.9843        | 286.0                 | 165.0                 |
| 25.25        |           | 0.9940        | 286.0                 | 165.0                 |
| 25.400       | 1"        | 1.0000        | 286.0                 | 165.0                 |
| 25.50        |           | 1.0039        | 286.0                 | 165.0                 |
| 25.75        |           | 1.0137        | 286.0                 | 165.0                 |
| 26.00        |           | 1.0236        | 286.0                 | 165.0                 |
| 26.192       | 1.1/32"   | 1.0312        | 286.0                 | 165.0                 |
| 26.25        |           | 1.0334        | 286.0                 | 165.0                 |
| 26.50        |           | 1.0433        | 286.0                 | 165.0                 |
| 26.75        |           | 1.0531        | 291.0                 | 170.0                 |
| 26.988       | 1.1/16"   | 1.0625        | 291.0                 | 170.0                 |
| 27.00        |           | 1.0629        | 291.0                 | 170.0                 |

| MTS3<br>mm Ø | Ø<br>Inch | Ø<br>Dec Inch | O/all<br>Length<br>mm | Flute<br>Length<br>mm |
|--------------|-----------|---------------|-----------------------|-----------------------|
| 27.25        |           | 1.0728        | 291.0                 | 170.0                 |
| 27.50        |           | 1.0826        | 291.0                 | 170.0                 |
| 27.75        |           | 1.0925        | 291.0                 | 170.0                 |
| 27.781       | 1.3/32"   | 1.0937        | 291.0                 | 170.0                 |
| 28.00        |           | 1.1023        | 291.0                 | 170.0                 |
| 28.25        |           | 1.1122        | 296.0                 | 175.0                 |
| 28.50        |           | 1.1220        | 296.0                 | 175.0                 |
| 28.575       | 1.1/8"    | 1.1250        | 296.0                 | 175.0                 |
| 28.75        |           | 1.1318        | 296.0                 | 175.0                 |
| 29.00        |           | 1.1417        | 296.0                 | 175.0                 |
| 29.25        |           | 1.1515        | 296.0                 | 175.0                 |
| 29.367       | 1.5/32"   | 1.1562        | 296.0                 | 175.0                 |
| 29.50        |           | 1.1614        | 296.0                 | 175.0                 |
| 29.75        |           | 1.1712        | 296.0                 | 175.0                 |
| 30.00        |           | 1.1811        | 296.0                 | 175.0                 |
| 30.163       | 1.3/16"   | 1.1875        | 301.0                 | 180.0                 |
| 30.25        |           | 1.1909        | 301.0                 | 180.0                 |
| 30.50        |           | 1.2007        | 301.0                 | 180.0                 |
| 30.75        |           | 1.2106        | 301.0                 | 180.0                 |
| 30.955       | 1.7/32"   | 1.2187        | 301.0                 | 180.0                 |
| 31.00        |           | 1.2204        | 301.0                 | 180.0                 |
| 31.25        |           | 1.2303        | 301.0                 | 180.0                 |
| 31.50        |           | 1.2401        | 301.0                 | 180.0                 |
| 31.750       | 1.1/4"    | 1.2500        | 306.0                 | 185.0                 |

continued on p72