

FORMAT Spiral drill bit type 1089



Design: HSS, DIN 341, type N.

Profile grinding, steam tempered surface, right cutting, with precise point geometry. Good centring characteristics due to point thinning according to DIN 1412, form A. Angle of rake, core thickness and core gradient normal.

Application: Suitable for drilling through boring bushes (important for sloped and uneven surfaces) as well as drilling deep holes up to 10 x D. Particularly suitable for alloyed and non-alloyed steels, steel casting, grey cast iron, malleable cast iron, nodular iron, sintered iron, nickel silver and graphite.

Characteristics

Cutting direction: Right

DIN standard: 341

Type: Twist drill

Point angle: 118 °

| Diameter mm | Cutting length mm | Total length mm | Model | Holding system | Material | Article |
|----------------|----------------------|--------------------|-------------|----------------|----------|---------------|
| 10 | 116 | 197 | Profile-cut | Morseconus 1 | HSS | W90A-10891000 |
| 10.5 | 116 | 197 | Profile-cut | Morseconus 1 | HSS | W90A-10891050 |
| 11 | 125 | 206 | Profile-cut | Morseconus 1 | HSS | W90A-10891100 |
| 11.5 | 125 | 206 | Profile-cut | Morseconus 1 | HSS | W90A-10891150 |
| 12 | 134 | 215 | Profile-cut | Morseconus 1 | HSS | W90A-10891200 |
| 12.5 | 134 | 215 | Profile-cut | Morseconus 1 | HSS | W90A-10891250 |
| 13 | 134 | 215 | Profile-cut | Morseconus 1 | HSS | W90A-10891300 |
| 14 | 142 | 223 | Profile-cut | Morseconus 1 | HSS | W90A-10891400 |
| 15 | 147 | 245 | Profile-cut | Morseconus 2 | HSS | W90A-10891500 |
| 15.5 | 153 | 251 | Profile-cut | Morseconus 2 | HSS | W90A-10891550 |
| 16 | 153 | 251 | Profile-cut | Morseconus 2 | HSS | W90A-10891600 |
| 17 | 159 | 257 | Profile-cut | Morseconus 2 | HSS | W90A-10891700 |
| 18 | 165 | 263 | Profile-cut | Morseconus 2 | HSS | W90A-10891800 |
| 19 | 171 | 269 | Profile-cut | Morseconus 2 | HSS | W90A-10891900 |
| 20 | 177 | 275 | Profile-cut | Morseconus 2 | HSS | W90A-10892000 |
| 21 | 184 | 282 | Profile-cut | Morseconus 2 | HSS | W90A-10892100 |
| 21.5 | 191 | 289 | Profile-cut | Morseconus 2 | HSS | W90A-10892150 |
| 22 | 191 | 289 | Profile-cut | Morseconus 2 | HSS | W90A-10892200 |
| 23 | 198 | 296 | Profile-cut | Morseconus 2 | HSS | W90A-10892300 |
| 24 | 206 | 327 | Profile-cut | Morseconus 3 | HSS | W90A-10892400 |
| 25 | 206 | 327 | Profile-cut | Morseconus 3 | HSS | W90A-10892500 |
| 26 | 214 | 335 | Profile-cut | Morseconus 3 | HSS | W90A-10892600 |
| 27 | 222 | 343 | Profile-cut | Morseconus 3 | HSS | W90A-10892700 |
| 28 | 222 | 343 | Profile-cut | Morseconus 3 | HSS | W90A-10892800 |
| 29 | 230 | 351 | Profile-cut | Morseconus 3 | HSS | W90A-10892900 |
| 30 | 230 | 351 | Profile-cut | Morseconus 3 | HSS | W90A-10893000 |
| 31 | 239 | 360 | Profile-cut | Morseconus 3 | HSS | W90A-10893100 |
| 32 | 248 | 397 | Profile-cut | Morseconus 4 | HSS | W90A-10893200 |
| 33 | 248 | 397 | Profile-cut | Morseconus 4 | HSS | W90A-10893300 |
| 34 | 257 | 406 | Profile-cut | Morseconus 4 | HSS | W90A-10893400 |
| 35 | 257 | 406 | Profile-cut | Morseconus 4 | HSS | W90A-10893500 |
| 36 | 267 | 416 | Profile-cut | Morseconus 4 | HSS | W90A-10893600 |

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| Diameter | Cutting length | Total length | Model | Holding system | Material | Article |
|----------|----------------|--------------|-------------|----------------|----------|---------------|
| mm | mm | mm | | | | |
| 37 | 267 | 416 | Profile-cut | Morseconus 4 | HSS | W90A-10893700 |
| 38 | 277 | 426 | Profile-cut | Morseconus 4 | HSS | W90A-10893800 |
| 39 | 277 | 426 | Profile-cut | Morseconus 4 | HSS | W90A-10893900 |
| 40 | 277 | 426 | Profile-cut | Morseconus 4 | HSS | W90A-10894000 |
| 45 | 298 | 447 | Profile-cut | Morseconus 4 | HSS | W90A-10894500 |
| 50 | 321 | 470 | Profile-cut | Morseconus 4 | HSS | W90A-10895000 |
| | 142 | 223 | Profile-cut | Morseconus 1 | HSS | W90A-10891350 |
| | 147 | 245 | Profile-cut | Morseconus 2 | HSS | W90A-10891450 |
| | 159 | 257 | Profile-cut | Morseconus 2 | HSS | W90A-10891650 |
| | 165 | 263 | Profile-cut | Morseconus 2 | HSS | W90A-10891750 |
| | 171 | 269 | Profile-cut | Morseconus 2 | HSS | W90A-10891850 |
| | 177 | 275 | Profile-cut | Morseconus 2 | HSS | W90A-10891950 |
| | 184 | 282 | Profile-cut | Morseconus 2 | HSS | W90A-10892050 |
| | 198 | 296 | Profile-cut | Morseconus 2 | HSS | W90A-10892250 |

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