



**Twist drills DIN 338 type N, with reduced shank**



Ideally suitable for drilling larger drilling diameters on all commonly-used drilling machines with a clamping chuck up to 13,0 mm.

Packing unit: in plastic box



| steel (N/mm <sup>2</sup> ) |        |        | stainless steel | aluminium | brass | bronze | plastics | cast iron | titanium alloyed |
|----------------------------|--------|--------|-----------------|-----------|-------|--------|----------|-----------|------------------|
| < 900                      | < 1100 | < 1300 |                 |           |       |        |          |           |                  |
| ●                          |        |        |                 |           | ○     | ○      |          | ●         |                  |



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| ●                          | ○      |        | ○               | ○         | ○     | ○      | ○        | ○         |                  |



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| ●                          | ●      |        | ●               |           |       |        |          |           | ○                |

● Main application      ○ Other application

| Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | Ø <sub>2</sub><br>mm | L <sub>2</sub><br>mm | Article no.<br>HSS-R | Article no.<br>HSS-G | Article no.<br>HSSE-Co 5 | Cont.<br>pos. |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------------|---------------|
| 10,50                | 133,0                | 10,0                 | 30,0                 | 200 105              | 200 4 105            | 200 5 105                | 1             |
| 11,00                | 142,0                | 10,0                 | 30,0                 | 200 110              | 200 4 110            | 200 5 110                | 1             |
| 11,50                | 142,0                | 10,0                 | 30,0                 | 200 115              | 200 4 115            | 200 5 115                | 1             |
| 12,00                | 151,0                | 10,0                 | 30,0                 | 200 120              | 200 4 120            | 200 5 120                | 1             |
| 12,50                | 151,0                | 10,0                 | 30,0                 | 200 125              | 200 4 125            | 200 5 125                | 1             |
| 13,00                | 151,0                | 10,0                 | 30,0                 | 200 130              | 200 4 130            | 200 5 130                | 1             |
| 13,50                | 160,0                | 10,0                 | 30,0                 | 200 135              | 200 4 135            | 200 5 135                | 1             |
| 14,00                | 160,0                | 10,0                 | 30,0                 | 200 140              | 200 4 140            | 200 5 140                | 1             |
| 14,50                | 169,0                | 10,0                 | 30,0                 | 200 145              | 200 4 145            | 200 5 145                | 1             |
| 15,00                | 169,0                | 10,0                 | 30,0                 | 200 150              | 200 4 150            | 200 5 150                | 1             |
| 15,50                | 178,0                | 10,0                 | 30,0                 | 200 155              | 200 4 155            | 200 5 155                | 1             |
| 16,00                | 178,0                | 10,0                 | 30,0                 | 200 160              | 200 4 160            | 200 5 160                | 1             |
| 16,50                | 184,0                | 13,0                 | 35,0                 | 200 165              | 200 4 165            | 200 5 165                | 1             |
| 17,00                | 184,0                | 13,0                 | 35,0                 | 200 170              | 200 4 170            | 200 5 170                | 1             |
| 17,50                | 191,0                | 13,0                 | 35,0                 | 200 175              | 200 4 175            | 200 5 175                | 1             |
| 18,00                | 191,0                | 13,0                 | 35,0                 | 200 180              | 200 4 180            | 200 5 180                | 1             |
| 18,50                | 198,0                | 13,0                 | 35,0                 | 200 185              | 200 4 185            | 200 5 185                | 1             |
| 19,00                | 198,0                | 13,0                 | 35,0                 | 200 190              | 200 4 190            | 200 5 190                | 1             |
| 19,50                | 205,0                | 13,0                 | 35,0                 | 200 195              | 200 4 195            | 200 5 195                | 1             |
| 20,00                | 205,0                | 13,0                 | 35,0                 | 200 200              | 200 4 200            | 200 5 200                | 1             |
| 22,00                | 205,0                | 13,0                 | 35,0                 | 200 220              | —                    | —                        | 1             |
| 24,00                | 205,0                | 13,0                 | 35,0                 | 200 240              | —                    | —                        | 1             |
| 25,00                | 205,0                | 13,0                 | 35,0                 | 200 250              | —                    | —                        | 1             |