



## Solid carbide high performance drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC m7: 17,7mm



### Order data

|              |               |
|--------------|---------------|
| Order number | 122406 17,7   |
| GTIN         | 4045197425126 |
| Item class   | 12E           |

### Description

#### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

### Technical description

|                                                   |              |
|---------------------------------------------------|--------------|
| Shank tolerance                                   | h6           |
| Feed f in stainless steel < 900 N/mm <sup>2</sup> | 0.16 mm/rev. |
| Number of cutting edges Z                         | 2            |
| Nominal Ø D <sub>c</sub>                          | 17.7 mm      |
| Flute length L <sub>c</sub>                       | 73 mm        |
| Tolerance nominal Ø                               | m7           |
| Shank Ø D <sub>s</sub>                            | 18 mm        |
| Overall length L                                  | 123 mm       |
| Standard                                          | DIN 6537 K   |
| recommended maximum drilling depth L <sub>2</sub> | 46.5 mm      |
| Coating                                           | TiAlN        |

|                 |                   |
|-----------------|-------------------|
| Tool material   | Solid carbide     |
| Version         | 4xD               |
| Point angle     | 140 degrees       |
| Shank           | DIN 6535 HB to h6 |
| Through-coolant | yes, with 25 bar  |
| Colour ring     | blue              |
| Type of product | Jobber drill      |

### User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|-------------------------------------------|----------------|----------|
| Aluminium (short chipping)     | suitable only under restricted conditions | 140 m/min      | N        |
| Alu > 10% Si                   | suitable only under restricted conditions | 120 m/min      | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 110 m/min      | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 90 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 80 m/min       | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 60 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable only under restricted conditions | 35 m/min       | P        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 45 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable                                  | 40 m/min       | M        |
| Ti > 850 N/mm <sup>2</sup>     | suitable                                  | 30 m/min       | S        |
| GG                             | suitable only under restricted conditions | 70 m/min       | K        |
| wet maximum                    | suitable                                  |                |          |
| wet minimum                    | suitable                                  |                |          |
| Air                            | suitable                                  |                |          |