



## Solid carbide high performance drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m7: 16,5mm



### Order data

|              |               |
|--------------|---------------|
| Order number | 122666 16,5   |
| GTIN         | 4045197426123 |
| 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  $L_c = L_2 + 1.5 \times D_c$ .

Through-coolant: yes, with 25 bar

Standard: DIN 6537

Tolerance nominal Ø: m7

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 68.3 mm

Tolerance nominal Ø: m7

Overall length L: 143 mm

Shank Ø  $D_s$ : 18 mm

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.16 mm/rev.

### Technical description

|   |              |
|---|--------------|
| Feed f in stainless steel < 900 N/mm <sup>2</sup> | 0.16 mm/rev. |
| Shank tolerance                                   | h6           |
| Flute length $L_c$                                | 93 mm        |
| Number of cutting edges Z                         | 2            |
| Nominal Ø $D_c$                                   | 16.5 mm      |

|  |                   |
|--|-------------------|
| Tolerance nominal $\varnothing$          | m7                |
| Shank $\varnothing D_s$                  | 18 mm             |
| Overall length L                         | 143 mm            |
| Standard                                 | DIN 6537          |
| recommended maximum drilling depth $L_2$ | 68.3 mm           |
| Coating                                  | TiAlN             |
| Tool material                            | Solid carbide     |
| Version                                  | 6xD               |
| Point angle                              | 140°              |
| Shank                                    | DIN 6535 HB to h6 |
| Through-coolant                          | yes, with 25 bar  |
| Colour ring                              | blue              |
| Type of product                          | Jobber drill      |

## User data

|                                | Suitability                               | $V_c$     | 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                                  | 32 m/min  | S        |

|             |   |          |   |
|-------------|---|----------|---|
| GG          | suitable only under restricted conditions | 70 m/min | K |
| Uni         | suitable                                  |          |   |
| wet maximum | suitable                                  |          |   |
| wet minimum | suitable                                  |          |   |
| Air         | suitable                                  |          |   |