



Solid carbide drill plain shank DIN 6535 HE, TiAlN, Ø DC m7 (mm or inch): 7,1



Order data

| | |
|--------------|---------------|
| Order number | 122773 7,1 |
| GTIN | 4062406150723 |
| Item class | 12F |

Description

Version:

Tool specially matched to drilling holes without through-coolant. **Concave major cutting edges** and a **special flute profile** ensure a good chip evacuation. The sturdy cutter geometry with **special point geometry** and 4 cutting edges ensures drilling with good process reliability. A wide range of applications in steel materials thanks to a combination of tough ultra-fine grain carbide and extremely **wear-resistant** and **heat-resistant coating**.

Note:

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

Through-coolant: no

Standard: DIN 6537

Tolerance nominal Ø: m7

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 42.35 mm

Tolerance nominal Ø: m7

Overall length L: 91 mm

Shank Ø D_s : 8 mm

Feed f in steel < 900 N/mm²: 0.18 mm/rev.

Technical description

| | |
|--|----------|
| Shank Ø D_s | 8 mm |
| Standard | DIN 6537 |
| recommended maximum drilling depth L_2 | 42.35 mm |
| Flute length L_c | 53 mm |
| Number of cutting edges Z | 2 |

| | |
|---|-------------------|
| Overall length L | 91 mm |
| Nominal $\varnothing D_c$ | 7.1 mm |
| Tolerance nominal \varnothing | m7 |
| Feed f in steel < 900 N/mm ² | 0.18 mm/rev. |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Version | 6xD |
| Point angle | 140° |
| Shank | DIN 6535 HE to h6 |
| Through-coolant | no |
| Colour ring | green |
| Type of product | Jobber drill |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 200 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 160 m/min | N |
| Steel < 500 N/mm ² | suitable | 110 m/min | P |
| Steel < 750 N/mm ² | suitable | 90 m/min | P |
| Steel < 900 N/mm ² | suitable | 80 m/min | P |
| Steel < 1100 N/mm ² | suitable | 70 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 60 m/min | P |
| GG | suitable | 90 m/min | K |
| GGG | suitable only under restricted conditions | 60 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |

dry

suitable only under
restricted conditions