



HOLEX Pro Steel solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 5,1mm



Order data

| | |
|--------------|---------------|
| Order number | 123303 5,1 |
| GTIN | 4062406090722 |
| Item class | 12F |

Description

Version:

Straight major cutting edges and a **special flute profile** ensure good chip evacuation. The robust cutter geometry ensures high-performance 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 coating.

Note:

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

For process reliability when using the 12×D drill, an initial centre drilling with NC spotting drills No. 121068 - 121130 or HOLEX Pro Steel No. 122501 is necessary.

HB and HE shanks are available at the same price as HA.

For **HB shanks**: use order **no. 123304**.

For **HE shanks**: use order **no. 123309**.

Technical description

| | |
|---|-------------------------|
| Tolerance nominal Ø | h7 |
| Standard | Manufacturer's standard |
| Feed f in steel < 900 N/mm ² | 0.13 mm/rev. |
| Nominal Ø D _c | 5.1 mm |
| Number of cutting edges Z | 2 |
| Overall length L | 116 mm |
| Shank Ø D _s | 6 mm |

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|--|-------------------|
| recommended maximum drilling depth L_2 | 70.5 mm |
| Flute length L_c | 78 mm |
| Series | Pro Steel |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Version | 12xD |
| Point angle | 135 degrees |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | yes, with 25 bar |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | green |
| Type of product | Jobber drill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-----------|----------|
| Alu plastics | suitable only under restricted conditions | 250 m/min | N |
| 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 | 125 m/min | P |
| Steel < 750 N/mm ² | suitable | 115 m/min | P |
| Steel < 900 N/mm ² | suitable | 95 m/min | P |
| Steel < 1100 N/mm ² | suitable | 90 m/min | P |
| Steel < 1400 N/mm ² | suitable | 65 m/min | P |
| INOX < 900 N/mm ² | suitable | 35 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 30 m/min | M |

| | | | |
|-------------|----------|-----------|---|
| GG | suitable | 100 m/min | K |
| GGG | suitable | 65 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable | | |