

Garant
Solid carbide HPC drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 18,85mm

Order data

| | |
|--------------|---------------|
| Order number | 122602 18,85 |
| GTIN | 4045197761279 |
| Item class | 11E |

Description
Version:

DLC coating sp² of the latest generation with **low coefficient of friction** results in **outstanding chip clearance**. For **high-performance milling** of **aluminium materials**. **High alignment accuracy** and **roundness of the hole**, thanks to **6 guide chamfers**.

Size 1 - 1.5 with 4 guide chamfers.

Note:

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

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122603**.

Form **HE**: order with **No. 122602 + 129100HE**.

Technical description

| | |
|--|-------------|
| Tolerance nominal Ø | h7 |
| Overall length L | 153 mm |
| Flute length L_c | 101 mm |
| Shank Ø D_s | 20 mm |
| Standard | DIN 6537 |
| Feed f in aluminium short-chipping | 0.7 mm/rev. |
| Nominal Ø D_c | 18.85 mm |
| Number of cutting edges Z | 2 |
| Shank tolerance | h6 |
| recommended maximum drilling depth L_2 | 72.8 mm |

| | |
|--------------------|-------------------|
| Coating | DLC |
| Tool material | solid carbide |
| Version | 6xD |
| Type | W |
| Point angle | 135 degrees |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | yes, with 25 bar |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | yellow |
| Type of product | Jobber drill |

User data

| | Suitability | V _c | ISO code |
|----------------------------|-------------|----------------|----------|
| Alu plastics | suitable | 360 m/min | N |
| Aluminium (short chipping) | suitable | 400 m/min | N |
| Alu > 10% Si | suitable | 350 m/min | N |
| PMMA acrylic | suitable | 150 m/min | N |
| PEEK | suitable | 120 m/min | N |
| PVDF GF20 | suitable | 90 m/min | N |
| PA 66 GF30 | suitable | 80 m/min | N |
| PEEK GF30 | suitable | 70 m/min | N |
| PTFE CF25 | suitable | 80 m/min | N |
| Cu | suitable | 160 m/min | N |
| CuZn | suitable | 200 m/min | N |
| GRP | suitable | 80 m/min | N |
| CRP | suitable | 80 m/min | N |
| wet maximum | suitable | | |

wet minimum
Services

suitable

Shank grinding Type HE

129100 HE