

Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, DLC, Ø DC h7: 17,5 mm



Order data

| | |
|--------------|---------------|
| Order number | 123179 17,5 |
| GTIN | 4045197760517 |
| Item class | 11E |

Description

Version:

DLC coating sp^2 of the latest generation with **low coefficient of friction** results in **outstanding chip clearance**. For **high-performance milling** of **aluminium materials**. **High roundness** and **alignment accuracy of the deep hole**, thanks to **6 guide chamfers**.

Recommendation:

Maximum drilling depth:

clamping slot length (see table) less $1.5 \times \text{nominal } \varnothing$.

Note:

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

For process reliability when using the $12 \times D$ deep-hole drill, an initial centre drilling with No. 121068 – 121130 is necessary.

Standard: Manufacturer's standard

Tolerance nominal \varnothing : h7

Number of cutting edges Z: 2

Tolerance nominal \varnothing : h7

recommended maximum drilling depth L_2 : 207.8 mm

Overall length L: 285 mm

Shank $\varnothing D_s$: 18 mm

Feed f in aluminium short-chipping: 0.7 mm/rev.

Technical description

| | |
|---------------------------------|-------------------------|
| Nominal $\varnothing D_c$ | 17.5 mm |
| Tolerance nominal \varnothing | h7 |
| Overall length L | 285 mm |
| Standard | Manufacturer's standard |

| | |
|---|-------------------|
| Shank tolerance | h6 |
| Number of cutting edges Z | 2 |
| Feed f in aluminium short-chipping | 0.7 mm/rev. |
| Flute length L _c | 234 mm |
| Shank Ø D _s | 18 mm |
| recommended maximum drilling depth L ₂ | 207.8 mm |
| Coating | DLC |
| Tool material | solid carbide |
| Drill depth up to | 12xD |
| Type | W |
| Point angle | 135 degrees |
| Cutting direction | right-hand |
| Shank | DIN 6535 HB to h6 |
| Through-coolant | Yes, with 25 bar |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | yellow |
| Type of product | Jobber drill |