

Garant

GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 19 mm



Order data

| | |
|--------------|---------------|
| Order number | 122416 19 |
| GTIN | 4045197791191 |
| Item class | 11E |

Description

Version:

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low installed power** and high speeds.

- **Clear reduction in cutting forces due to special cutter geometry.**
- **Coating for best wear resistance even at high process temperatures.**
- **Polished flutes for good chip clearance.**

A **slim chisel point** and the **special arrangement of the 4 guide chamfers** ensure **high positioning and alignment accuracy**. Optimised micro-geometry for increased working life and performance capability.

Recommendation:

Maximum drilling depth:

clamping slot length (see table) less 1.5×nominal Ø.

Note:

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

Standard: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 50.5 mm

Overall length L: 131 mm

Shank Ø D_s : 20 mm

Feed f in steel < 1100 N/mm²: 0.38 mm/rev.

Technical description

| | |
|-----------------|-------|
| Nominal Ø D_c | 19 mm |
|-----------------|-------|

| | |
|--|---------------------|
| Flute length L_c | 79 mm |
| Overall length L | 131 mm |
| Shank tolerance | h6 |
| Number of cutting edges Z | 2 |
| Standard | DIN 6537 K |
| Shank $\varnothing D_s$ | 20 mm |
| Feed f in steel < 1100 N/mm ² | 0.38 mm/rev. |
| Tolerance nominal \varnothing | h7 |
| recommended maximum drilling depth L_2 | 50.5 mm |
| Series | GARANT Master Steel |
| Coating | TiAlN |
| Tool material | solid carbide |
| Drill depth up to | 4xD |
| Point angle | 135 degrees |
| Shank | DIN 6535 HB to h6 |
| Through-coolant | no |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | green |
| Type of product | Jobber drill |