

## Garant

### GARANT Master Steel PickPocket solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 17,5 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 202406 17,5   |
| GTIN         | 4045197781505 |
| Item class   | 11X           |

#### Description

##### Version:

For **roughing and finishing**

With corner radii similar to torus cutters.

Up to 1xD into solid material **at very high feed rates** with smooth cutting action.

##### Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Tolerance nominal Ø: f8

No. of teeth Z: 3

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length  $L_c$ : 36 mm

Overhang length  $L_1$  incl. recess: 67 mm

Recess Ø  $D_1$ : 17 mm

Overall length L: 117 mm

Shank Ø  $D_s$ : 18 mm

#### Technical description

|  |         |
|--|---------|
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.13 mm |
| No. of teeth Z   | 3       |
| Overall length L   | 117 mm  |
| Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup> | 0.1 mm  |

|   |                                  |
|---|----------------------------------|
| Overhang length $L_1$ incl. recess        | 67 mm                            |
| Shank $\varnothing D_s$                   | 18 mm                            |
| Recess $\varnothing D_1$                  | 17 mm                            |
| Shank                                     | DIN 6535 HB to h6                |
| Cutting edge $\varnothing D_c$            | 17.5 mm                          |
| Tolerance nominal $\varnothing$           | f8                               |
| Flute length $L_c$                        | 36 mm                            |
| Direction of infeed                       | horizontal, oblique and vertical |
| Helix angle                               | 38 degrees                       |
| Corner rounding $r_v$                     | 0.88 mm                          |
| Series                                    | GARANT Master Steel              |
| Coating                                   | TiAlN                            |
| Tool material                             | Solid carbide                    |
| Standard                                  | Manufacturer's standard          |
| Type                                      | N                                |
| Helix angle characteristic                | unequal spacing                  |
| Spacing of the cutters                    | unequal spacing                  |
| Cutting width $a_e$ for milling operation | 0.4xD for side milling           |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1xD      |
| Through-coolant                           | no                               |
| Machining strategy                        | HPC                              |
| Colour ring                               | green                            |
| Type of product                           | End mill                         |