

## Garant

### Solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 25 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 203041 25     |
| GTIN         | 4045197510648 |
| Item class   | 11X           |

#### Description

##### Version:

For **roughing and finishing**.

Up to 1.5×D into solid material **at very high feed rates** with smooth cutting action.

##### Advantage:

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

##### Note:

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 203035.**

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 68 mm

Overhang length  $L_1$  incl. recess: 80 mm

Recess Ø  $D_1$ : 24.5 mm

Overall length L: 136 mm

Shank Ø  $D_s$ : 25 mm

#### Technical description

|  |         |
|--|---------|
| No. of teeth Z   | 4       |
| Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup> | 0.12 mm |
| Overhang length $L_1$ incl. recess                           | 80 mm   |

|  |                                  |
|--|----------------------------------|
| Corner chamfer width at 45°                                  | 0.5 mm                           |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.16 mm                          |
| Cutting edge $\varnothing D_c$                               | 25 mm                            |
| Recess $\varnothing D_1$                                     | 24.5 mm                          |
| Shank $\varnothing D_s$                                      | 25 mm                            |
| Overall length L   | 136 mm                           |
| Flute length $L_c$   | 68 mm                            |
| Direction of infeed  | horizontal, oblique and vertical |
| Shank  | DIN 6535 HB to h6                |
| Tolerance nominal $\varnothing$                              | f8                               |
| Helix angle  | 38 degrees                       |
| Corner chamfer angle   | 45 degrees                       |
| Coating  | TiAlN                            |
| Tool material  | Solid carbide                    |
| Standard   | DIN 6527                         |
| Type   | N                                |
| Helix angle characteristic                                   | unequal spacing                  |
| Spacing of the cutters                                       | unequal spacing                  |
| Cutting width $a_e$ for milling operation                    | 0.3×D for side milling           |
| Cutting width $a_e$ for milling operation                    | Full slot cutting depth 1×D      |
| Through-coolant  | no                               |
| Machining strategy   | HPC                              |
| Colour ring  | green                            |
| Type of product  | End mill                         |

## Services

|                        |             |
|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
|------------------------|-------------|