

**Garant**
**Roughing end mill HSS-Co8, uncoated, Ø js14 DC: 10 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 192520 10     |
| GTIN         | 4045197106667 |
| Item class   | 11W           |

**Description**
**Version:**
**Relief ground knuckle form profile.**

Centre cutting teeth for plunging.

- **Wide, precision ground chip flutes.**
- **Special chip angle for aluminium and non-ferrous metals.**

**Advantage:**

Suitable **for high machining volumes** due to the large flutes.

Through-coolant: no

Tolerance nominal Ø: js14

No. of teeth Z: 3

Helix angle: 36 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 3

Flute length  $L_c$ : 45 mm

Overall length L: 95 mm

Shank Ø  $D_s$ : 10 mm

Corner chamfer width at 45°: 0.3 mm

Feed  $f_z$  for slot milling in short-chipping aluminium: 0.04 mm

**Technical description**

|   |         |
|---|---------|
| No. of teeth Z  | 3       |
| Corner chamfer width at 45°                             | 0.3 mm  |
| Feed $f_z$ for slot milling in short-chipping aluminium | 0.04 mm |
| Cutting edge Ø $D_c$                                    | 10 mm   |

|                                 |                                  |
|---------------------------------|----------------------------------|
| Shank $\varnothing D_s$         | 10 mm                            |
| Overall length L                | 95 mm                            |
| Flute length $L_c$              | 45 mm                            |
| Direction of infeed             | horizontal, oblique and vertical |
| Shank                           | DIN 1835 B to h6                 |
| Tolerance nominal $\varnothing$ | js14                             |
| Helix angle                     | 36 degrees                       |
| Corner chamfer angle            | 45 degrees                       |
| Coating                         | uncoated                         |
| Tool material                   | HSS Co 8                         |
| Standard                        | DIN 844 B                        |
| Milling profile                 | WR                               |
| Through-coolant                 | no                               |
| Colour ring                     | yellow                           |
| Type of product                 | End mill                         |