

**Garant**
**Roughing end mill HSS-Co8, uncoated, Ø k12 DC: 8mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 192600 8      |
| GTIN         | 4045197106957 |
| Item class   | 11W           |

**Description**
**Version:**

**With relief ground knuckle profile.** The wide teeth lands permit multiple re-grinding without losing the profile.

Up to size 20 end cutting teeth profile for plunging.

**Technical description**

|   |                                  |
|---|----------------------------------|
| Corner chamfer width at 45°                                 | 0.5 mm                           |
| Feed $f_z$ for slot milling in steel $< 750 \text{ N/mm}^2$ | 0.09 mm                          |
| No. of teeth Z  | 4                                |
| Cutting edge $\varnothing D_c$                              | 8 mm                             |
| Shank $\varnothing D_s$                                     | 10 mm                            |
| Overall length L  | 69 mm                            |
| Flute length $L_c$  | 19 mm                            |
| Direction of infeed   | horizontal, oblique and vertical |
| Shank   | DIN 1835 B to h6                 |
| Tolerance nominal $\varnothing$                             | k12                              |
| Helix angle   | 30 degrees                       |
| Corner chamfer angle  | 45 degrees                       |
| Coating   | uncoated                         |

|                 |                 |
|-----------------|-----------------|
| Tool material   | HSS Co 8        |
| Standard        | DIN 844 B       |
| Milling profile | NR              |
| Through-coolant | no              |
| Colour ring     | without         |
| Type of product | End / face mill |

### User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping)     | suitable only under restricted conditions | 83 m/min       | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 30 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 25 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 25 m/min       | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable only under restricted conditions | 12 m/min       | P        |
| GG(G)                          | suitable only under restricted conditions | 23 m/min       | K        |
| Uni                            | suitable                                  |                |          |
| wet maximum                    | suitable                                  |                |          |