

**Garant**
**Narrow side milling cutter, uncoated, Ø×width js16×k11: 63X4mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 185500 63X4   |
| GTIN         | 4045197097422 |
| Item class   | 11U           |

**Description**
**Version:**

**Circular milling cutter, cutting on three faces**, with bore collar and keyway. The alternate helical tooth pattern ensures smooth cutting, even on deep cuts.

**Application:**

For **slotting or cutting-off** when the side faces of the component must have an accurate and clean surface.

**Note:**

$f_z$  for  $a_e = 0.1 \times D$ .

**Technical description**

|   |         |
|---|---------|
| No. of teeth Z                              | 28      |
| Cutting width                               | 4 mm    |
| Feed $f_z$ in steel < 750 N/mm <sup>2</sup> | 0.05 mm |
| Bore Ø H7                                   | 22 mm   |
| Cutting edge Ø $D_c$                        | 63 mm   |

|                                 |                     |
|---------------------------------|---------------------|
| Shank type                      | with bore           |
| Coating                         | uncoated            |
| Tool material                   | HSS Co 5            |
| Standard                        | DIN 1834 A          |
| Milling profile                 | staggered teeth     |
| Type                            | N                   |
| Tolerance nominal $\varnothing$ | js16                |
| Through-coolant                 | no                  |
| Colour ring                     | without             |
| Type of product                 | Side milling cutter |

## User data

|                               | Suitability                               | $V_c$     | ISO code |
|-------------------------------|---|-----------|----------|
| Aluminium (short chipping)    | suitable only under restricted conditions | 200 m/min | N        |
| Steel < 500 N/mm <sup>2</sup> | suitable                                  | 19 m/min  | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  | 19 m/min  | P        |
| Steel < 900 N/mm <sup>2</sup> | suitable                                  | 19 m/min  | P        |
| INOX < 900 N/mm <sup>2</sup>  | suitable only under restricted conditions | 9 m/min   | M        |
| CuZn                          | suitable only under restricted conditions | 180 m/min | N        |
| Uni                           | suitable only under restricted conditions |           |          |
| wet maximum                   | suitable                                  |           |          |