

**Garant**
**Woodruff keyseating cutter, uncoated,  $\varnothing$  DC  $\times$  LC h11  $\times$  e8: 16,5X3 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 194010 16,5X3 |
| GTIN         | 4045197109217 |
| Item class   | 11W           |

**Description**
**Version:**

Peripheral cutting, alternate set teeth (staggered).

The sides of the teeth are ground to give clearance and thus cannot jam in the component.

Special surface treatment.

**Note:**

For milling Woodruff keyways to DIN 6888 or for milling small slots.

No. of teeth Z: 10

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for Woodruff keyways to DIN 6888: 3.0 $\times$ 6.5 mm

Overall length L: 56 mm

Shank  $\varnothing$  D<sub>s</sub>: 10 mm

Feed f<sub>z</sub> for slot milling in steel < 750 N/mm<sup>2</sup>: 0.06 mm

**Technical description**

|   |                     |
|---|---------------------|
| Feed f <sub>z</sub> for slot milling in steel < 750 N/mm <sup>2</sup> | 0.06 mm             |
| Cutting edge $\varnothing$ D <sub>c</sub>                             | 16.5 mm             |
| for Woodruff keyways to DIN 6888                                      | 3.0 $\times$ 6.5 mm |
| No. of teeth Z  | 10                  |
| Shank $\varnothing$ D <sub>s</sub>                                    | 10 mm               |
| Overall length L  | 56 mm               |

|                             |                  |
|-----------------------------|------------------|
| Flute length L <sub>c</sub> | 3 mm             |
| Coating                     | uncoated         |
| Tool material               | HSS Co 5         |
| Standard                    | DIN 850 D/F      |
| Milling profile             | staggered teeth  |
| Tolerance nominal Ø         | e8               |
| Direction of infeed         | horizontal       |
| Shank                       | DIN 1835 B to h6 |
| Through-coolant             | no               |
| Shank tolerance             | h6               |
| Corner chamfer angle        | 90 degrees       |
| Colour ring                 | without          |
| Type of product             | End mill         |