

**Garant**
**T-slot semi-roughing cutter, uncoated,  $\varnothing$  DC  $\times$  LC d11  $\times$  d11: 21X9mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 194050 21X9   |
| GTIN         | 4045197109705 |
| Item class   | 11W           |

**Description**
**Version:**

Cuts on all three sides.

Alternate set teeth with ground chip breaker on flutes.

**Note:**

For milling T-slots to DIN 650.

**Technical description**

|  |                 |
|--|-----------------|
| for T-slots DIN 650                                  | 12 mm           |
| Cutting edge $\varnothing$ D <sub>c</sub>            | 21 mm           |
| Feed f <sub>z</sub> in steel < 750 N/mm <sup>2</sup> | 0.08 mm         |
| No. of teeth Z                                       | 8               |
| Recess $\varnothing$ D <sub>1</sub>                  | 10 mm           |
| Shank $\varnothing$ D <sub>s</sub>                   | 12 mm           |
| Overall length L                                     | 74 mm           |
| Flute length L <sub>c</sub>                          | 9 mm            |
| Number of effective inserts Z <sub>eff</sub>         | 4               |
| Coating  | uncoated        |
| Tool material  | HSS Co 5        |
| Milling profile                                      | staggered teeth |

|                                 |                     |
|---------------------------------|---------------------|
| Tolerance nominal $\varnothing$ | d11                 |
| Helix angle                     | 15 degrees          |
| 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                 | Slot milling cutter |

### User data

|                               | Suitability                               | $V_c$     | ISO code |
|-------------------------------|---|-----------|----------|
| Alu plastics                  | suitable only under restricted conditions | 250 m/min | N        |
| Aluminium (short chipping)    | suitable                                  | 70 m/min  | N        |
| Steel < 500 N/mm <sup>2</sup> | suitable                                  | 35 m/min  | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  | 28 m/min  | P        |
| GG(G)                         | suitable only under restricted conditions | 22 m/min  | K        |
| CuZn                          | suitable only under restricted conditions | 35 m/min  | N        |
| Uni                           | suitable                                  |           |          |
| wet maximum                   | suitable                                  |           |          |