

**Garant****Woodruff keyseating cutter, uncoated, Ø DC × LC h11 × e8: 19,5X5mm**

## Order data

Order number	194010 19,5X5
GTIN	4045197109262
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.

## Technical description

Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.06 mm
for Woodruff keyways to DIN 6888	5.0×7.5 mm
Cutting edge Ø D <sub>c</sub>	19.5 mm
No. of teeth Z	10
Shank Ø D <sub>s</sub>	10 mm
Overall length L	63 mm
Flute length L <sub>c</sub>	5 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	Slot milling cutter

## User data

	Suitability	V <sub>c</sub>	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		