



## End mill HSS-Co8, TiAlN, Ø k10 DC: 12mm



### Order data

Order number	191590 12
GTIN	4045197103765
Item class	12W

### Description

#### Version:

Multi-flute end mill. **Eccentric relief ground.**

Economy version.

Through-coolant: no

Tolerance nominal Ø: k10

No. of teeth Z: 4

Helix angle: 30-40 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length  $L_c$ : 26 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

Feed  $f_z$  for slot milling in steel < 750 N/mm<sup>2</sup>: 0.028 mm

### Technical description

Cutting edge Ø $D_c$	12 mm
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.028 mm
No. of teeth Z	4
Shank Ø $D_s$	12 mm
Overall length L	83 mm
Flute length $L_c$	26 mm
Direction of infeed	horizontal, oblique and vertical

Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	k10
Helix angle	30-40 °
Corner chamfer angle	90 °
Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 844 B
Type	N
Through-coolant	no
Colour ring	without
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	120 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	78 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	55 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	55 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	17 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	14 m/min	M
GG(G)	suitable only under restricted conditions	46 m/min	K
CuZn	suitable only under restricted conditions	92 m/min	N
Uni	suitable		
wet maximum	suitable		