



## Solid carbide roughing end mill HPC, uncoated, Ø e8 DC: 12mm



### Order data

Order number	205260 12
GTIN	4062406122485
Item class	12X

### Description

#### Version:

For roughing.  
Special profile for machining non-ferrous metals.

### Technical description

Shank Ø D <sub>s</sub>	12 mm
Overhang length L <sub>1</sub> incl. recess	36 mm
Feed f <sub>z</sub> for slot milling in short-chipping aluminium	0.15 mm
Overall length L	83 mm
Recess Ø D <sub>1</sub>	11 mm
No. of teeth Z	3
Helix angle	45 degrees
Flute length L <sub>c</sub>	26 mm
Tolerance nominal Ø	e8
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.18 mm
Cutting edge Ø D <sub>c</sub>	12 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Corner rounding r <sub>v</sub>	0.32 mm

Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	WR
Cutting width $a_e$ for milling operation	0.5×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Aluminium	Suitable	300 m/min	N
Aluminium (short chipping)	suitable	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
PA 66	suitable only under restricted conditions	120 m/min	N
PEEK	suitable only under restricted conditions	100 m/min	N
Cu	Suitable	80 m/min	N
CuZn	Suitable	100 m/min	N
wet maximum	suitable		
wet minimum	Suitable only under restricted conditions		
dry	Suitable only under restricted conditions		
Air	suitable only under restricted conditions		

## Services

Shank grinding Type HB

129100 HB