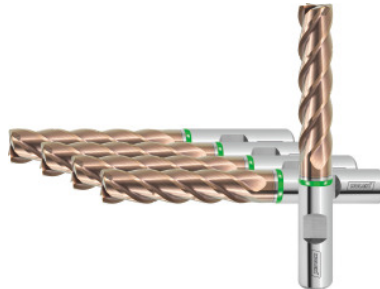




## Solid carbide milling cutter with chip separators TPC, TiSiN, Ø e8 DC: 16mm



### Order data

Order number	GG3086 16
GTIN	4062406625870
Item class	GGN

### Description

#### Version:

High-performance end mill for general-purpose applications, **specially designed for TPC applications.**

#### Strengthened core.

**Optimised bending strength** due to the use of ultra-fine grain substrates.

**Chip breaker** for controlled chip breaking.

**Same as No. 203086.**

#### Note:

$h_{max}$ : The values stated in the table are maximum values.

$a_{e\ max} = 0.05 \times D$  for TPC machining.

### Technical description

Shank Ø $D_s$	16 mm
Balance quality with shank	G 2.5 with HB
Recess Ø $D_1$	15.8 mm
Overall length L	130 mm
Direction of infeed	horizontal and oblique

Helix angle	40 degrees
Overhang length $L_1$ incl. recess	80 mm
Shank	DIN 6535 HB to h6
Flute length $L_c$	64 mm
Corner chamfer angle	45 degrees
Corner chamfer width at 45°	0.32 mm
Tolerance nominal $\varnothing$	e8
Cutting edge $\varnothing D_c$	16 mm
Average chip thickness $h_{max}$ for TPC milling in steel < 900 N/mm <sup>2</sup>	0.12 mm
No. of teeth Z	4
Contents	5
Coating	TiSiN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.07×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	350 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	320 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	280 m/min	P

Steel < 1100 N/mm <sup>2</sup>	suitable	210 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	135 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	170 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	145 m/min	M
Uni	suitable		
dry	suitable		
Air	suitable		

## Accessories

Solid carbide milling cutter with chip separators TPC Ø e8  
DC 16 mm

203086 16