

Garant**Solid carbide milling cutter with chip separators TPC, TiAlN, Ø f8 DC: 16mm****Order data**

Order number	203083 16
GTIN	4045197609939
Item class	11X

Description**Version:**

High-performance miller for machining superalloys, **specially designed for TPC applications**.
Strengthened core.

Note:

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

$a_{e \max} = 0.06 \times D$ for TPC machining.

Technical description

Average chip thickness $h_{\max}$ for TPC milling in Inconel®	0.07 mm
Overhang length L_1 incl. recess	55 mm
Cutting edge Ø D_c	16 mm
Recess Ø D_1	15.8 mm
No. of teeth Z	5
Average chip thickness $h_{\max}$ for TPC milling in titanium > 850 N/mm ²	0.085 mm
Shank Ø D_s	16 mm
Overall length L	108 mm
Flute length L_c	48 mm
Direction of infeed	horizontal and oblique
Shank	DIN 6535 HB to h6

Tolerance nominal Ø	f8
Balance quality with shank	G 2.5 with HB
Helix angle	45 degrees
Corner rounding r_v	0.3 mm
Coating	TiAlN
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	$0.06 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	pink
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Ti > 850 N/mm ²	suitable	180 m/min	S
Inconel	suitable	90 m/min	S
wet maximum	suitable		

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/203083-16>