

Garant**Solid carbide milling cutter with chip separators TPC, TiAlN, Ø f8 DC: 10mm****Order data**

Order number	203083 10
GTIN	4045197609915
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

Cutting edge Ø D_c	10 mm
Overhang length L_1 incl. recess	35 mm
No. of teeth Z	5
Recess Ø D_1	9.8 mm
Average chip thickness h_{\max} for TPC milling in Inconel®	0.05 mm
Average chip thickness h_{\max} for TPC milling in titanium > 850 N/mm ²	0.06 mm
Shank Ø D_s	10 mm
Overall length L	80 mm
Flute length L_c	30 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	0.2 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/203083-10>