

Garant

Solid carbide milling cutter TPC, TiAlN, Ø f8 DC: 16 mm



Order data

Order number	203077 16
GTIN	4045197657299
Item class	11X

Description

Version:

High-performance slot drill for machining materials up to 60 HRC, **specially designed for TPC applications.**

Strengthened core. With corner radii similar to torus cutters.

Note:

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

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

Tolerance nominal Ø: f8

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 5

Flute length L_c : 48 mm

Overhang length L_1 incl. recess: 55 mm

Recess Ø D_1 : 15.8 mm

Overall length L: 108 mm

Shank Ø D_s : 16 mm

Technical description

Overhang length L_1 incl. recess	55 mm
Cutting edge Ø D_c	16 mm
No. of teeth Z	5
Recess Ø D_1	15.8 mm

Average chip thickness h_{\max} for TPC milling in steel < 60 HRC	0.049 mm
Shank $\varnothing D_s$	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 \varnothing	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	H
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.05×D
Through-coolant	no
Machining strategy	TPC
Colour ring	red
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 16 mm	SZ2025 16