

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

**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:**

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

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

**Technical description**

Overhang length $L_1$ incl. recess	55 mm
Cutting edge $\varnothing D_c$	16 mm
No. of teeth $Z$	5
Recess $\varnothing D_1$	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	$0.05 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	red
Type of product	End / face mill

### User data

	Suitability	$V_c$	ISO code
Steel < 1400 N/mm <sup>2</sup>	suitable	150 m/min	P
Steel < 50 HRC	suitable	140 m/min	H
Steel < 55 HRC	suitable	125 m/min	H
Steel < 60 HRC	suitable	110 m/min	H
dry	Suitable only under restricted conditions		
Air	suitable		