


Solid carbide end mill, TiAlN, Ø h10 DC: 20mm

Order data

Order number	203320 20
GTIN	4045197119216
Item class	12X

Description
Version:

Strengthened core and geometry for hard machining, without dynamic helical pitch.

Application:

For profile milling as finishing.

(Plunge cutting only to shallow depths).

Technical description

No. of teeth Z	8
Feed f_z for side milling in steel < 55 HRC	0.055 mm
Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Overall length L	126 mm
Flute length L_c	60 mm
Direction of infeed	horizontal and oblique
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	h10
Helix angle	50 degrees
Corner chamfer angle	90 degrees
Coating	TiAlN
Tool material	Solid carbide

Standard	Manufacturer's standard
Type	H
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	$0.05 \times D$ for side milling
Through-coolant	no
Colour ring	red
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 900 N/mm ²	suitable	160 m/min	P
Steel < 1100 N/mm ²	suitable	95 m/min	P
Steel < 1400 N/mm ²	suitable	85 m/min	P
Steel < 50 HRC	suitable	75 m/min	H
Steel < 55 HRC	suitable	65 m/min	H
Steel < 60 HRC	suitable	50 m/min	H
Steel < 65 HRC	suitable only under restricted conditions	30 m/min	H
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

Services

Shank grinding Type HB	129100 HB
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