

Garant
Solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 20mm

Order data

Order number	203026 20
GTIN	4045197858009
Item class	11X

Description
Note:
Successor product to No. 203025.
Technical description

Recess Ø D_1	19 mm
Shank Ø D_s	20 mm
Tolerance nominal Ø	e8
Cutting edge Ø D_c	20 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.5 mm
Overall length L	175 mm
Flute length L_c	40 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.1 mm
Overhang length L_1 incl. recess	98 mm
Helix angle	38 degrees
Corner chamfer angle	45 degrees
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	$0.1 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	120 m/min	P
Steel < 750 N/mm ²	suitable	110 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	90 m/min	P
Steel < 1400 N/mm ²	suitable	80 m/min	P
TOOLOX 33	suitable	70 m/min	H
TOOLOX 44	suitable	60 m/min	H
INOX < 900 N/mm ²	suitable	55 m/min	M
INOX > 900 N/mm ²	suitable	45 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	35 m/min	S
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	Suitable		
dry	suitable only under restricted conditions		

