

Garant
Solid carbide milling cutter HPC / TPC, TiAlN, Ø e8 DC: 6mm

Order data

Order number	203023 6
GTIN	4045197857576
Item class	11X

Description
Version:

 Shank **similar to DIN 6535 HB.**
Note:
Successor product to No. 203018.
Technical description

Direction of infeed	horizontal, oblique and vertical
Tolerance nominal Ø	e8
Overall length L	80 mm
Cutting edge Ø D _c	6 mm
No. of teeth Z	4
Flute length L _c	32 mm
Corner chamfer width at 45°	0.4 mm
Shank Ø D _s	6 mm
Shank	DIN 6535 HB to h6
Feed f _z for side milling in INOX > 900 N/mm ²	0.04 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	0.04xD
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	210 m/min	P
Steel < 750 N/mm ²	suitable	195 m/min	P
Steel < 900 N/mm ²	suitable	170 m/min	P
Steel < 1100 N/mm ²	suitable	150 m/min	P
Steel < 1400 N/mm ²	suitable	145 m/min	P
TOOLOX 33	suitable	95 m/min	H
TOOLOX 44	suitable	70 m/min	H
INOX < 900 N/mm ²	suitable	85 m/min	M
INOX > 900 N/mm ²	suitable	75 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	50 m/min	S
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	Suitable		

dry

suitable only under
restricted conditions