

Garant
GARANT Master INOX solid carbide slot drill HPC, TiAlN, Ø e8 DC: 1mm

Order data

Order number	201647 1
GTIN	4062406112943
Item class	11X

Description
Version:

Double relief ground **2 chamfers hollow ground** for use in **HPC applications**.

Greater oxidation resistance and high-temperature hardness.

Can be used at high cutting speeds, particularly suitable even for Toolox®.

Note:

Successor product to No. 201644.

Technical description

Feed f_z for side milling in INOX < 900 N/mm ²	0.01 mm
Flute length L_c	3 mm
Feed f_z for slot milling in stainless steel < 900 N/mm ²	0.008 mm
Cutting edge Ø D_c	1 mm
Shank	DIN 6535 HA to h6
Tolerance nominal Ø	e8
Helix angle	50 degrees
Shank Ø D_s	6 mm
Direction of infeed	horizontal, oblique and vertical
Recess Ø D_1	0.95 mm
Overall length L	57 mm

No. of teeth Z	2
Overhang length L_1 incl. recess	13 mm
Corner chamfer width at 45°	0.02 mm
Corner chamfer angle	45 degrees
Series	Master INOX
Coating	TiAlN
Tool material	solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
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	250 m/min	P
Steel < 750 N/mm ²	suitable	230 m/min	P
Steel < 900 N/mm ²	suitable	200 m/min	P
Steel < 1100 N/mm ²	suitable	170 m/min	P
Steel < 1400 N/mm ²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm ²	suitable	110 m/min	M
INOX > 900 N/mm ²	suitable	90 m/min	M
Uni	Suitable only under restricted conditions		

wet maximum	suitable
wet minimum	suitable only under restricted conditions
Air	suitable only under restricted conditions
Services	
Shank grinding Type HB	129100 HB