

Garant
GARANT Master Steel solid carbide slot drill, TiAlN, Ø DC: 20mm

Order data

Order number	201646 20
GTIN	4062406297923
Item class	11X

Description
Version:
Eccentric relief ground for stronger cutting edges.

Dimensions similar to DIN 6527.

Advantage:
Optimised flute geometry for improved chip evacuation.

Note:
Successor product to No. 201645.
Technical description

Helix angle	38 degrees
Overall length L	104 mm
Cutting edge Ø D _c	20 mm
Feed f _z for slot milling in steel < 750 N/mm ²	0.1 mm
Corner chamfer angle	45 degrees
Shank Ø D _s	20 mm
Corner chamfer width at 45°	0.1 mm
Flute length L _c	32 mm
Tolerance nominal Ø	f8
Shank	DIN 6535 HA to h6
Overhang length L ₁ incl. recess	52 mm

Feed f_z for side milling in steel < 750 N/mm ²	0.12 mm
No. of teeth Z	2
Recess $\varnothing D_1$	19.8 mm
Direction of infeed	horizontal, oblique and vertical
Series	Master Steel
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	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	260 m/min	P
Steel < 750 N/mm ²	suitable	240 m/min	P
Steel < 900 N/mm ²	suitable	190 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	150 m/min	P
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable	70 m/min	M
GG(G)	suitable	250 m/min	K
Uni	suitable		
wet maximum	suitable		

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