

Garant
Solid carbide slot drill, TiAlN, Ø DC: 5mm

Order data

Order number	201645 5
GTIN	4045197229045
Item class	11X

Description
Version:
Eccentric relief ground for stronger cutting edges.

Dimensions similar to DIN 6527.

Technical description

Feed f_z for side milling in steel < 750 N/mm ²	0.023 mm
Feed f_z for slot milling in steel < 750 N/mm ²	0.02 mm
Cutting edge Ø D_c	5 mm
No. of teeth Z	2
Recess Ø D_1	4.8 mm
Overhang length L_1 incl. recess	21 mm
Corner chamfer width at 45°	0.1 mm
Shank Ø D_s	6 mm
Overall length L	57 mm
Flute length L_c	13 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal Ø	e8
Helix angle	45 degrees

Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
Steel < 500 N/mm ²	suitable	120 m/min	P
Steel < 750 N/mm ²	suitable	105 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable	60 m/min	M
GG(G)	suitable only under restricted conditions	90 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