

**Garant**
**Solid carbide ball nose slot drill, TiAlN, Ø DC: 16mm**

**Order data**

Order number	207381 16
GTIN	4045197551900
Item class	11X

**Description**
**Version:**

 Tolerance: Radius contour =  $\pm 0.01$  mm.

**Technical description**

Feed $f_z$ for copy milling in steel < 500 N/mm <sup>2</sup>	0.113 mm
No. of teeth Z	3
Cutting edge Ø $D_c$	16 mm
Feed $f_z$ for side milling in steel < 500 N/mm <sup>2</sup>	0.1 mm
Shank Ø $D_s$	16 mm
Overall length L	92 mm
Flute length $L_c$	26 mm
Helix angle	35 degrees
Radius R	8 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical

Cutting width $a_e$ for milling operation	0.1×D for copy milling
Cutting width $a_e$ for milling operation	0.5×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	without
Type of product	Ball-nosed slot drill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	160 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	140 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	130 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	70 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	50 m/min	S
GG(G)	suitable only under restricted conditions	120 m/min	K
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
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