


**Solid carbide ball nose slot drill, TiAlN, Ø DC: 8mm**

**Order data**

Order number	207125 8
GTIN	4045197126375
Item class	12X

**Technical description**

No. of teeth Z	2
Feed $f_z$ for copy milling in steel $< 900 \text{ N/mm}^2$	0.051 mm
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.045 mm
Cutting edge $\varnothing D_c$	8 mm
Shank $\varnothing D_s$	8 mm
Overall length L	58 mm
Flute length $L_c$	12 mm
Helix angle	30 degrees
Radius R	4 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h10
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	$0.05 \times D$ for copy milling
Cutting width $a_e$ for milling operation	$0.05 \times D$ 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 <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	350 m/min	N
Alu > 10% Si	suitable only under restricted conditions	250 m/min	N
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
Steel < 1100 N/mm <sup>2</sup>	suitable	80 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 55 HRC	suitable	50 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	70 m/min	M
GG(G)	suitable	120 m/min	K
CuZn	suitable only under restricted conditions	320 m/min	N
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