


**Solid carbide mini slot drill, TiAlN, Ø e8 DC: 3,5mm**

**Order data**

Order number	201920 3,5
GTIN	4045197114822
Item class	12X

**Description**
**Version:**

**Double relief ground side clearance angle. Centre cutting teeth for plunging.**

Weldon shank **similar to DIN 6535 HB.**

**Note:**
**Save on regrinding costs:**

It is cheaper to use solid carbide mini slot drills to the wear limit than to regrind them.

**Technical description**

Shank form	HB
Cutting edge Ø D <sub>c</sub>	3.5 mm
Feed f <sub>z</sub> for slot milling in steel < 900 N/mm <sup>2</sup>	0.01 mm
Corner chamfer width at 45°	0.03 mm
No. of teeth Z	3
Feed f <sub>z</sub> for side milling in steel < 900 N/mm <sup>2</sup>	0.011 mm
Shank Ø D <sub>s</sub>	6 mm
Overall length L	45 mm
Flute length L <sub>c</sub>	6 mm
Direction of infeed	horizontal, oblique and vertical
Correction factor for v <sub>c</sub>	1.25
Shank	DIN 6535 HB to h6

Tolerance nominal $\varnothing$	e8
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
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	without
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 <sup>2</sup>	suitable	120 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	105 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	100 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	70 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	60 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		

wet minimum	suitable only under restricted conditions
dry	suitable