



## Solid carbide slot drill, TiAlN, Ø DC: 12 mm



### Order data

Order number	201645 12
GTIN	4045197229083
Item class	11X

### Description

#### Version:

#### Eccentric relief ground for stronger cutting edges.

Dimensions similar to DIN 6527.

Through-coolant: no

Tolerance nominal Ø: e8

No. of teeth Z: 2

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Schaft: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_3$ : 26 mm

Overhang  $L_4$  incl. recess: 38 mm

Recess Ø  $D_4$ : 11.8 mm

Overall length  $L_{tot}$ : 83 mm

Shank Ø: 12 mm

### Technical description

Corner chamfer width at 45°	0.1 mm
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.06 mm
Cutter Ø $D_c$	12 mm
No. of teeth Z	2
Recess Ø $D_4$	11.8 mm
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.08 mm

Overhang $L_4$ incl. recess	38 mm
Shank $\varnothing$	12 mm
Overall length $L_{tot}$	83 mm
Flute length $L_s$	26 mm
Direction of infeed	horizontal, oblique and vertical
Skaft	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	e8
Correction factor $f_z$	1.25
Helix angle	45 degrees
maximum cutting depth $a_{p,max}$ when slot milling from solid	6 mm
maximum cutting depth $a_{p,max}$ when side milling	26 mm
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Norm	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
Shank tolerance	h6
Colour ring	green

## Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB