



## Solid carbide slot drill, TiAlN, Ø DC: 20 mm



### Order data

Order number	201645 20
GTIN	4045197229106
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  $L_3$ : 38 mm

Overhang  $L_4$  incl. recess: 54 mm

Recess Ø  $D_4$ : 19.7 mm

Overall length  $L_{tot}$ : 104 mm

Shank Ø: 20 mm

### Technical description

Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.1 mm
No. of teeth Z	2
Overhang $L_4$ incl. recess	54 mm
Recess Ø $D_4$	19.7 mm
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.12 mm
Corner chamfer width at 45°	0.1 mm

Cutter Ø D <sub>c</sub>	20 mm
Shank Ø	20 mm
Overall length L <sub>tot</sub>	104 mm
Flute length L <sub>s</sub>	38 mm
Direction of infeed	horizontal, oblique and vertical
Skaft	DIN 6535 HA to h6
Tolerance nominal Ø	e8
Correction factor f <sub>z</sub>	1.25
Helix angle	45 degrees
maximum cutting depth a <sub>p max</sub> when slot milling from solid	10 mm
maximum cutting depth a <sub>p max</sub> when side milling	38 mm
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Norm	DIN 6527
Type	N
Cutting width a <sub>e</sub> for milling operation	0.5×D for side milling
Cutting width a <sub>e</sub> 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 Ø tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB