



Solid carbide milling cutters, uncoated, \varnothing e8 DC: 20 mm



Order data

Order number	202239 20
GTIN	4045197965028
Item class	12X

Description

Version:

Eccentric relief ground, additionally **finish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

Application:

For roughing and finishing.

Through-coolant: no

Tolerance nominal \varnothing : e8

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 3

Flute length L_c : 40 mm

Overhang length L_1 incl. recess: 70 mm

Recess $\varnothing D_1$: 19.5 mm

Overall length L: 126 mm

Shank $\varnothing D_s$: 20 mm

Technical description

Feed f_z for slot milling in short-chipping aluminium	0.085 mm
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8
Cutting edge $\varnothing D_c$	20 mm
Flute length L_c	40 mm

Overall length L	126 mm
Shank $\varnothing D_s$	20 mm
Overhang length L_1 incl. recess	70 mm
Helix angle	45 degrees
Recess $\varnothing D_1$	19.5 mm
Feed f_z for side milling in short-chipping aluminium	0.12 mm
No. of teeth Z	3
Direction of infeed	horizontal, oblique and vertical
Corner chamfer angle	90 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Colour ring	yellow
Type of product	End mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB