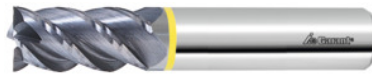


**Garant**
**Solid carbide milling cutter DIN 6535 HA, uncoated, Ø DC: 12 mm**

**Order data**

Order number	202480 12
GTIN	4045197117144
Item class	11X

**Description**
**Version:**
**Extra sharp cutting edges.**

Dimensions similar to DIN 6527.

Double relief ground side clearance angle.

Through-coolant: no

Tolerance nominal Ø: h6

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 28 mm

Overhang length  $L_1$  incl. recess: 33 mm

Recess Ø  $D_1$ : 11.8 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Cutting edge Ø $D_c$	12 mm
Recess Ø $D_1$	11.8 mm
No. of teeth Z	4
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Overhang length $L_1$ incl. recess	33 mm

Feed $f_z$ for slot milling in short-chipping aluminium	0.05 mm
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length $L_c$	28 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	h6
Helix angle	38 degrees
Corner chamfer angle	90 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
Type	W
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	yellow
Type of product	End mill

## 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