

Solid carbide end mill HPC, ZOX, Ø f8 DC: 3 mm



Order data

Order number	202548 3
GTIN	4045197271747
Item class	11X

Description

Version:

Sturdy roughing end mills without knuckle profile.

With strong core, special chip breaker recesses and large polished flutes.

Application:

For roughing milling with high demands on the component surface.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 4 Flute length L_c: 6 mm

Overhang length L₁ incl. recess: 10 mm

Recess Ø D₁: 2.7 mm Overall length L: 57 mm

Shank Ø D_s: 6 mm

Technical description

Cutting edge \emptyset D_{c}	3 mm
Recess Ø D ₁	2.7 mm
No. of teeth Z	4
Shank form	HA
Feed f _z for slot milling in short-chipping aluminium	0.035 mm

ShankDIN 6535 HA to h6Tolerance nominal Øf8Balance quality with shankG 2.5 with HAHelix angle45 degreesCorner chamfer angle45 degreesCoatingZOXTool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingSpacing of the cuttersunequal spacingCutting width ae for milling operationFull slot cutting depth 1×D	Feed f_z for side milling in short-chipping aluminium	0.045 mm
Shank Ø D₃ 6 mm Overall length L 57 mm Flute length L₂ 6 mm Direction of infeed horizontal, oblique and vertical horizontal, oblique and vertical strains of the strains of	Overhang length L ₁ incl. recess	10 mm
Overall length L 57 mm Flute length L₂ 6 mm Direction of infeed horizontal, oblique and vertical oblique and vertica	Corner chamfer width at 45°	0.1 mm
Flute length L _c Direction of infeed horizontal, oblique and vertical horizontal, oblique and vertical horizontal, oblique and vertical blank DIN 6535 HA to h6 Tolerance nominal Ø f8 Balance quality with shank Helix angle Corner chamfer angle Corner chamfer angle Coating Tool material Solid carbide Standard Manufacturer's standard Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a _e for milling operation Full slot cutting depth 1×D	Shank Ø D _s	6 mm
Direction of infeedhorizontal, oblique and verticalShankDIN 6535 HA to h6Tolerance nominal Øf8Balance quality with shankG 2.5 with HAHelix angle45 degreesCorner chamfer angle45 degreesCoatingZOXTool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingSpacing of the cuttersunequal spacingCutting width ae for milling operationFull slot cutting depth 1×D	Overall length L	57 mm
ShankDIN 6535 HA to h6Tolerance nominal Øf8Balance quality with shankG 2.5 with HAHelix angle45 degreesCorner chamfer angle45 degreesCoatingZOXTool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingSpacing of the cuttersunequal spacingCutting width ae for milling operationFull slot cutting depth 1×D	Flute length L _c	6 mm
Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Coating Tool material Solid carbide Standard Type W Helix angle characteristic Spacing of the cutters Cutting width ae for milling operation Full slot cutting depth 1×D	Direction of infeed	horizontal, oblique and vertical
Balance quality with shank Helix angle Corner chamfer angle Coating Tool material Standard Type W Helix angle characteristic Spacing of the cutters Cutting width a _e for milling operation G 2.5 with HA 45 degrees A5 degrees ZOX Tool Material Solid carbide Manufacturer's standard W Helix angle characteristic unequal spacing Full slot cutting depth 1×D	Shank	DIN 6535 HA to h6
Helix angle Corner chamfer angle Coating ZOX Tool material Solid carbide Standard Manufacturer's standard Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a _e for milling operation Full slot cutting depth 1×D	Tolerance nominal Ø	f8
Corner chamfer angle Coating ZOX Tool material Solid carbide Standard Manufacturer's standard Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a _e for milling operation Full slot cutting depth 1×D	Balance quality with shank	G 2.5 with HA
Coating ZOX Tool material Solid carbide Standard Manufacturer's standard Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a _e for milling operation Full slot cutting depth 1×D	Helix angle	45 degrees
Tool material Solid carbide Standard Manufacturer's standard W Helix angle characteristic Spacing of the cutters Cutting width a _e for milling operation Solid carbide Manufacturer's standard W Full slot cutting depth 1×D	Corner chamfer angle	45 degrees
$\begin{array}{ccc} \text{Standard} & & \text{Manufacturer's standard} \\ \text{Type} & & \text{W} \\ \text{Helix angle characteristic} & & \text{unequal spacing} \\ \text{Spacing of the cutters} & & \text{unequal spacing} \\ \text{Cutting width a_e for milling operation} & & \text{Full slot cutting depth $1\times D$} \\ \end{array}$	Coating	ZOX
Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a_e for milling operation Full slot cutting depth $1\times D$	Tool material	Solid carbide
Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width a_e for milling operation Full slot cutting depth 1×D	Standard	Manufacturer's standard
Spacing of the cutters unequal spacing Cutting width a_e for milling operation Full slot cutting depth 1×D	Туре	W
Cutting width a_e for milling operation Full slot cutting depth $1\times D$	Helix angle characteristic	unequal spacing
	Spacing of the cutters	unequal spacing
	Cutting width a _e for milling operation	Full slot cutting depth 1×D
Cutting width a _e for milling operation 0.5×D for side milling	Cutting width a _e for milling operation	0.5×D for side milling
Through-coolant no	Through-coolant	no
Machining strategy HPC	Machining strategy	HPC
Colour ring yellow	Colour ring	yellow
Type of product End mill	Type of product	End mill

Services

Shank grinding Type HB 129100 HB