

**Garant**
**Solid carbide milling cutter, uncoated, Ø e8 DC: 13 mm**

**Order data**

Order number	202640 13
GTIN	4045197117663
Item class	11X

**Description**
**Version:**

Double relief ground side clearance angle.  
 Through-coolant: no  
 Tolerance nominal Ø: e8  
 No. of teeth Z: 4  
 Helix angle: 30 degrees  
 Direction of infeed: horizontal, oblique and vertical  
 Shank: DIN 6535 HA to h6  
 No. of teeth Z: 4  
 Flute length  $L_c$ : 25 mm  
 Overhang length  $L_1$  incl. recess: 35 mm  
 Recess Ø  $D_1$ : 12.8 mm  
 Overall length L: 75 mm  
 Shank Ø  $D_s$ : 13 mm

**Technical description**

Shank form	HA
Recess Ø $D_1$	12.8 mm
Corner chamfer width at 45°	0.14 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.08 mm
No. of teeth Z	4
Overhang length $L_1$ incl. recess	35 mm
Cutting edge Ø $D_c$	13 mm

Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.06 mm
Shank $\varnothing D_s$	13 mm
Overall length L	75 mm
Flute length $L_c$	25 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	e8
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	without
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
------------------------	-------------