

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

Order data

Order number	202720 13
GTIN	4045197117922
Item class	11X

Description
Version:

Double relief ground side clearance angle.

Technical description

Overhang length L_1 incl. recess	35 mm
Recess $\varnothing D_1$	12.8 mm
Cutting edge $\varnothing D_c$	13 mm
Shank form	HA
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Corner chamfer width at 45°	0.14 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
No. of teeth Z	4
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	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
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 / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	70 m/min	P
Steel < 1400 N/mm ²	suitable	60 m/min	P
Steel < 55 HRC	suitable	35 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	60 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	Suitable		
wet minimum	Suitable only under restricted conditions		
dry	suitable		
Air	Suitable		

