

Garant
Solid carbide mini milling cutter, AlCrN, Ø e8 DC: 12mm

Order data

Order number	202260 12
GTIN	4045197863898
Item class	11X

Description
Version:

 Shank similar to **DIN 6535 HB**.

Improved coating for general-purpose applications in steel and cast iron.

Save on regrinding costs:

It is cheaper to use solid carbide mini milling cutters to the wear limit than to regrind them.

Technical description

Feed f_z for slot milling in steel $< 750 \text{ N/mm}^2$	0.07 mm
Shank	HB with h6
Cutting edge $\varnothing D_c$	12 mm
Overall length L	60 mm
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	15 mm
Shank form	HB
No. of teeth Z	3
Feed f_z for side milling in steel $< 750 \text{ N/mm}^2$	0.1 mm
Shank $\varnothing D_s$	12 mm
Corner chamfer width at 45°	0.3 mm

Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	AlCrN
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 / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
Steel < 500 N/mm ²	suitable	120 m/min	P
Steel < 750 N/mm ²	suitable	110 m/min	P
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 only under restricted conditions	60 m/min	P
INOX < 900 N/mm ²	suitable	70 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	50 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		

wet minimum	suitable
dry	suitable only under restricted conditions
Air	suitable