

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

Order data

Order number	202305 12
GTIN	4045197931511
Item class	11X

Description
Version:

Dimensions similar to **DIN 6527**.

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

Note:

Successor product to No. 202210.

Technical description

Overall length L	73 mm
Corner chamfer width at 45°	0.1 mm
Feed f_z for side milling in steel < 750 N/mm ²	0.1 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	45 degrees
Feed f_z for slot milling in steel < 750 N/mm ²	0.07 mm
Shank Ø D_s	12 mm
Overhang length L_1 incl. recess	26 mm
Shank	DIN 6535 HB to h6
Recess Ø D_1	11.8 mm
Shank form	HB
Cutting edge Ø D_c	12 mm

No. of teeth Z	3
Tolerance nominal \varnothing	e8
Flute length L_c	16 mm
Corner chamfer angle	45 degrees
Coating	AlCrN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
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	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