

Garant
Solid carbide milling cutter, TiAlN, Ø e8 DC: 20mm

Order data

Order number	202815 20
GTIN	4045197948113
Item class	11X

Description
Version:

Double relief ground side clearance angle.

With **high-performance coating** for general-purpose use.

Technical description

Shank	DIN 6535 HB to h6
Feed f_z for side milling in steel < 900 N/mm ²	0.12 mm
Helix angle	35 degrees
Cutting edge Ø D_c	20 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	135 mm
Tolerance nominal Ø	e8
No. of teeth Z	4
Shank Ø D_s	20 mm
Flute length L_c	60 mm
Corner chamfer width at 45°	0.2 mm
Shank form	HB
Corner chamfer angle	45 degrees
Coating	TiAlN

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width a_e for milling operation	0.3×D for side milling
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	105 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	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 only under restricted conditions		

Air

suitable only under
restricted conditions