


Solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 6mm

Order data

Order number	GG2010 6
GTIN	4067263119340
Item class	GGN

Description
Version:

Solid carbide milling cutter for machining steels and corrosion-resistant steels.

Dimensions similar to DIN 6527.

Same as No. 202770.

Technical description

Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.02 mm
Shank	DIN 6535 HB to h6
Cutting edge Ø D_c	6 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.03 mm
Helix angle	42 degrees
Overall length L	57 mm
Shank Ø D_s	6 mm
Corner chamfer width at 45°	0.1 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.045 mm
Direction of infeed	horizontal, oblique and vertical

Data sheet

Flute length L_c	14 mm
Corner chamfer angle	45 degrees
Tolerance nominal $\varnothing$	e8
Contents	10
Feed f_z for side milling in INOX > 900 N/mm ²	0.025 mm
No. of teeth Z	4
Coating	TiAlN
Tool material	Solid carbide
Standard	Works standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	230 m/min	N
Steel < 500 N/mm ²	suitable	220 m/min	P
Steel < 750 N/mm ²	suitable	200 m/min	P
Steel < 900 N/mm ²	suitable	160 m/min	P
Steel < 1100 N/mm ²	suitable	150 m/min	P
Steel < 1400 N/mm ²	suitable	120 m/min	P
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable	70 m/min	M

Data sheet

Ti > 850 N/mm ²	suitable only under restricted conditions	30 m/min	S
GG(G)	suitable	220 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/GG2010-6>