

Garant**Solid carbide high feed rate milling cutter HFC, AlTiSiN, Ø h8 DC: 3mm****Order data**

Order number	206269 3
GTIN	4067263132653
Item class	11Z

Description**Version:**

Innovative ultra-fine grain substrate, especially for hard machining up to 70 HRC. Newly developed high-performance coating for outstanding tool life and optimum metal removal rate. Tolerance: Corner radius **R1 = +/- 0.01mm**

Application:

Especially for HFC machining in mould and tool making, for copy and traverse milling. Very high machining volume in hard machining.

Note:

Successor product to No. 206273.

Technical description

Setting angle κ	10.5 degrees
Overhang length L_1 incl. recess	8 mm
Cutting edge $\varnothing D_c$	3 mm
Flute length L_c	3 mm
Dimension $a_{p\max}$ transverse	0.28 mm
Programming radius	0.308 mm
No. of teeth Z	4
Overall length L	57 mm
Recess $\varnothing D_1$	2.9 mm
Shank $\varnothing D_s$	6 mm

Corner radius R_1	0.2 mm
End radius R_3	3.6 mm
Feed f_z for side milling in steel < 55 HRC	0.111 mm
Coating	AlTiSiN
Tool material	solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h8
Helix angle	20 degrees
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HFC
Colour ring	red
Type of product	End torus mill

User data

	Suitability	V_c	ISO code
Steel < 50 HRC	suitable	105 m/min	H
Steel < 55 HRC	suitable	105 m/min	H
Steel < 60 HRC	suitable	75 m/min	H
Steel < 65 HRC	suitable	64 m/min	H
Steel < 67 HRC	suitable	53 m/min	H
Steel < 70 HRC	suitable	53 m/min	H
wet maximum	suitable only under restricted conditions		
dry	suitable		

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/206269-3>

