Garant

Solid carbide torus cutter HPC, ZOX, ∅ f8 DC / R1: 12/0,5mm

Order data

Order number	206260 12/0,5
GTIN	4045197300935
Item class	11X

Description

Version:
With strong core, **special chip breaker recesses** and **large polished flutes.**
New generation of high performance end mills in the HPC machining range.
Application:
Especially for **high speed machining** in **mould and tool making** for **copy milling.**
Note:
NEW GENERATION AVAILABLE! Recommended successor product is No. 206255.

Technical description

No. of teeth Z	3
Feed f_z for copy milling in short-chipping aluminium	0.07 mm
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Corner radius R_1	0.5 mm
Recess ∅ D_1	11 mm
Cutting edge ∅ D_C	12 mm
Overhang length L_1 incl. recess	36 mm
Shank ∅ D_s	12 mm
Flute length L_c	26 mm
Overall length L	83 mm
Balance quality with shank	G 2.5 with HA

Shank	DIN 6535 HA to h6
Helix angle	45 degrees
Coating	ZOX
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal ∅	f8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	0.03×D for copy milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	yellow
Type of product	Torus cutter

User data

	Suitability	V_c	ISO code
Aluminium	suitable only under restricted conditions	500 m/min	N
Aluminium (short chipping)	suitable	480 m/min	N
Alu > 10% Si	suitable	240 m/min	N
Cu	Suitable	200 m/min	N
CuZn	suitable	240 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

dry	suitable only under restricted conditions
Air	suitable only under restricted conditions

Services

Shank grinding Type HB	129100 HB