

Garant
Solid carbide torus cutter, uncoated, \varnothing e8 DC / R1: 12/1,5mm

Order data

Order number	206040 12/1,5
GTIN	4045197122841
Item class	11X

Description
Version:

With **double relief ground side clearance angle and corner radius.**

High strength due to **strengthened core.**

Tolerance: $R_1 = \pm 0.01$ mm.

Technical description

Corner radius R_1	1.5 mm
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Cutting edge $\varnothing D_c$	12 mm
No. of teeth Z	2
Overhang length L_1 incl. recess	38 mm
Feed f_z for copy milling in short-chipping aluminium	0.079 mm
Recess $\varnothing D_1$	11 mm
Shank $\varnothing D_s$	12 mm
Flute length L_c	12 mm
Overall length L	83 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	uncoated

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.5xD for side milling
Cutting width a_e for milling operation	0.05xD for copy milling
Through-coolant	no
Shank tolerance	h6
Colour ring	yellow
Type of product	Torus cutter

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable	105 m/min	N
PMMA acrylic	Suitable	180 m/min	N
PE-HD	Suitable	130 m/min	N
PA 66	Suitable	150 m/min	N
PEEK	Suitable	130 m/min	N
PF 31	Suitable	110 m/min	N
Cu	Suitable	80 m/min	N
CuZn	Suitable	100 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