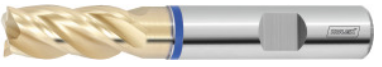
HOLEX

Solid carbide torus cutter HPC DIN 6535 HB, TiSi, ⌀ DC / R1: 10/1,0mm



Order data

Order number	206353 10/1,0
GTIN	4045197540294
Item class	12X

Description

Version:
Dimensions to factory standard and 35° spiral.
Special TiSi coating.
With balancing speed G 2.5.
Note:
NEW GENERATION AVAILABLE!
Recommended successor product is No. 206348

Technical description

Cutting edge ⌀ D_C	10 mm
Feed f_z for copy milling in stainless steel > 900 N/mm^2	0.06 mm
Corner radius R_1	1 mm
Overhang length L_1 incl. recess	30 mm
Recess ⌀ D_1	9.7 mm
No. of teeth Z	4
Feed f_z for side milling in INOX > 900 N/mm^2	0.048 mm
Shank ⌀ D_s	10 mm
Flute length L_c	22 mm
Overall length L	72 mm
Shank	DIN 6535 HB to h6

Helix angle	35 degrees
Coating	TiSi
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
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	0.05×D for copy milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	blue
Type of product	Torus cutter

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	250 m/min	P
Steel < 750 N/mm²	suitable	230 m/min	P
Steel < 900 N/mm²	suitable	200 m/min	P
Steel < 1100 N/mm²	suitable	180 m/min	P
Steel < 1400 N/mm²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm²	suitable	90 m/min	M
INOX > 900 N/mm²	suitable	80 m/min	M

Uni	suitable only under restricted conditions
wet maximum	suitable
wet minimum	Suitable
dry	Suitable only under restricted conditions
Air	suitable only under restricted conditions