

Garant
GARANT Diabolo solid carbide ball nose milling cutter HPC, TiAlN, Ø DC: 12mm

Order data

Order number	207424 12
GTIN	4045197600493
Item class	11X

Description
Version:

Special geometry, coating and carbide for hard machining.

3 end face edges up to the centre. Can therefore be used as a true 3-flute drill in all cutting depths.

Tolerance: Radius contour = ± 0.005 mm.

Technical description

No. of teeth Z	3
Feed f_z for copy milling in steel < 65 HRC	0.08 mm
Feed f_z for side milling in steel < 65 HRC	0.08 mm
Cutting edge Ø D_c	12 mm
Shank Ø D_s	12 mm
Overall length L	120 mm
Flute length L_c	22 mm
Helix angle	30 degrees
Radius R	6 mm
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide

Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.05×D for copy milling
Cutting width a_e for milling operation	0.2×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	Ball-nosed slot drill

User data

	Suitability	V_c	ISO code
Steel < 1400 N/mm ²	suitable	200 m/min	P
Steel < 50 HRC	suitable	190 m/min	H
Steel < 55 HRC	suitable	170 m/min	H
Steel < 60 HRC	suitable	150 m/min	H
Steel < 65 HRC	suitable	110 m/min	H
wet maximum	suitable only under restricted conditions		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

Services

Shank grinding Type HB	129100 HB
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