

Garant
Solid carbide high precision ball nose slot drill, DLC, Ø DC: 12 mm

Order data

Order number	207097 12
GTIN	4045197859563
Item class	11X

Description
Version:

With **DLC coating sp²** of the latest generation.

High precision ball nose slot drills in respect of **radius Ø and contour variations within the µm range.**

Tolerances: radius contour = **±0.005 mm.**

For the highest demands on dimensional accuracy of the workpiece.

Note:

Successor product to No. 207095.

No. of teeth Z: 2

Helix angle: 45 degrees

No. of teeth Z: 2

Flute length L_c: 16 mm

Overhang length L₁ incl. recess: 38 mm

Recess Ø D₁: 11.4 mm

Overall length L: 73 mm

Shank Ø D_s: 12 mm

Technical description

Feed f _z for copy milling in short-chipping aluminium	0.08 mm
No. of teeth Z	2
Cutting edge Ø D _c	12 mm
Recess Ø D ₁	11.4 mm
Overhang length L ₁ incl. recess	38 mm

Overall length L	73 mm
Shank $\varnothing D_s$	12 mm
Flute length L_c	16 mm
Helix angle	45 degrees
Radius R	6 mm
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal \varnothing	-0.007 / 0.002
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.03×D for copy milling
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
Through-coolant	no
Colour ring	yellow
Type of product	End mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB