

Garant
Precision countersinks with unequal spacing 60°, TiAlN, External Ø Dc: 12,5 mm

Order data

Order number	150815 12,5
GTIN	4045197868084
Item class	11M

Description
Version:

High-precision 60° countersink with unequal spacing.

Special geometry with extremely unequal spacing and matching cutting edge preparation. Radially relief ground. Flutes ground from solid. Newly developed **special TiAlN coating** for long service life.

Advantage:

Very smooth cutting throughout the entire countersinking operation. Chatter-free running for perfect results and **optimum tool service life.**

Application:

High-precision countersinks for production of **exactly round 60° countersunk surfaces.**

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 3.2 mm

Overall length L: 56 mm

Shank Ø D_s: 8 mm

Feed f in steel < 500 N/mm²: 0.13 mm/rev.

Technical description

Number of cutting edges Z	3
Overall length L	56 mm
External Ø	12.5 mm

Feed f in steel < 500 N/mm ²	0.13 mm/rev.
Shank Ø D _s	8 mm
smallest countersink Ø for holes from	3.2 mm
Coating	TiAlN
Countersink tip angle	60 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 334
Shank	Parallel shank to h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink