

Garant
Mini counterbore for through holes 90°, uncoated, Counterbore Ø D1 x pin Ø D2: 4,6X2,4mm

Order data

Order number	155600 4,6X2,4
GTIN	4045197462770
Item class	11M

Description
Version:

Spiral fluted counterbore with fixed pilot.
DIN 1866-A / ISO 4205.

Application:

For through hole quality **fine** (ISO values) to DIN 69.

For countersunk screws to ISO 2009, 2010, 7046, 7047 (DIN 963, 964, 965, 966).

Note:

Size 4.6 × 2.4 is not defined in DIN.

Technical description

for screw size	M2.2
Counterbore Ø	4.6 mm
Pin Ø	2,4 mm
Feed f in steel < 500 N/mm ²	0.07 mm/rev.
Pre-drill Ø	2.4 mm
Number of cutting edges Z	3
Shank Ø D _s	4.6 mm
Overall length L	56 mm
Step height L ₁ 1st step with chamfer	2.5 mm
Point angle	90 degrees

Cutter length l_c	10 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 1866 A
Shank	Plain shank
Countersink angle	90 degrees
Through-coolant	no
Type of product	Counterbore

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable	33 m/min	N
Steel < 500 N/mm ²	suitable	28 m/min	P
Steel < 750 N/mm ²	suitable	27 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	27 m/min	P
INOX < 900 N/mm ²	Suitable only under restricted conditions	8 m/min	M
INOX > 900 N/mm ²	Suitable only under restricted conditions	5 m/min	M
wet maximum	suitable		