



## HOLEX Pro Steel High-precision countersink with unequal spacing and 3 drive flats 90°, TiAlN, External Ø Dc: 19 mm



### Order data

Order number	150184 19
GTIN	4062406524463
Item class	12M

### Description

#### Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

#### HOLEX Pro Steel:

- Exact machining results in manual and machine use.
- Chatter-free running through extremely unequal spacing of the cutting edges for high-quality surfaces.
- Optimum tool life thanks to TiAlN high-performance coating.
- High process reliability due to optimised chip evacuation.
- Attractive cost/benefit ratio.

Three drive flats on the shank for use in a 3-jaw chuck.

#### Application:

High precision countersinks for chatter-free countersinking.

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 3.5 mm

Overall length L: 63 mm

Shank Ø D<sub>s</sub>: 10 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M10

Feed f in steel < 500 N/mm<sup>2</sup>: 0.14 mm/rev.

### Technical description

Overall length L	63 mm
smallest countersink Ø for holes from	3.5 mm
External Ø	19 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.14 mm/rev.
Shank Ø D <sub>s</sub>	10 mm
Number of cutting edges Z	3
for countersunk screws ISO 2009, 2010, 7046, 7047	M10
Shank tolerance	h9
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Three clamping flats to h9
Through-coolant	no
Colour ring	green
Series	HOLEX Pro Steel
Type of product	Stepped drill and countersink

## Accessories

HOLEX Pro Steel countersink set with 3 drive flats No. 150184 in a case 90° Number of countersinks 7	150344 7
HOLEX Pro Steel countersink set with 3 drive flats No. 150184 in a case 90° Number of countersinks 6	150344 6