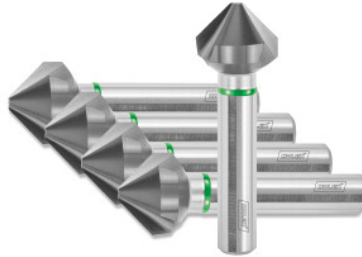




## HOLEX Pro Steel high-precision countersink with unequal spacing and 3 drive flats 90°, TiAlN, External Ø Dc: 19mm



### Order data

Order number	GG1584 19
GTIN	4067263134602
Item class	GGN

### Description

#### Version:

**All countersinks have 3 cutting edges**, radially relieved.

Flutes are ground from solid.

- **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. **Same as No. 150184**

#### Application:

High-precision countersink for chatter-free 90° countersinking.

### Technical description

Overall length L	63 mm
smallest countersink Ø for holes from	3.5 mm
External Ø	19 mm
for countersunk screws ISO 2009, 2010, 7046, 7047	M10

Number of cutting edges Z	3
Shank tolerance	h9
Feed f in steel < 500 N/mm <sup>2</sup>	0.14 mm/rev.
Shank Ø D <sub>s</sub>	10 mm
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Shank with h9 and three drive flats
Through-coolant	no
Colour ring	green
Series	Pro Steel
Type of product	Stepped drill and countersink

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	75 m/min	N
Aluminium (short chipping)	suitable	70 m/min	N
Steel < 750 N/mm <sup>2</sup>	suitable	50 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	20 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	8 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	18 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	15 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	12 m/min	S

GG(G)	suitable	20 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		

## Accessories

HOLEX Pro Steel high-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 19 mm	150184 19
HOLEX Pro Steel countersink set with 3 drive flats No. 150184 in a case 90° Number of countersinks 6	150344 6
HOLEX Pro Steel countersink set with 3 drive flats No. 150184 in a case 90° Number of countersinks 7	150344 7