



## HOLEX Pro Steel solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7 (mm or inch): 19



### Order data

Order number	122501 19
GTIN	4045197825391
Item class	12F

### Description

#### Version:

**Straight major cutting edges** and a **special flute profile** ensure a good chip evacuation. The robust cutter geometry ensures high-performance drilling with good process reliability. A wide range of applications in steel materials thanks to a combination of tough ultra-fine grain carbide and an extremely wear-resistant coating.

Up to Ø 1.9 with 4 facets, from Ø 2 with relieved cone.

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Versions with HB and HE shank available at the same price as HA.

For **HB shanks**: use order **no. 122502**.

For **HE shanks**: use order **No. 122503**.

Standard: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 50.5 mm

Overall length L: 131 mm

Shank Ø  $D_s$ : 20 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.28 mm/rev.

### Technical description

Overall length L	131 mm
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Shank $\varnothing D_s$	20 mm
Nominal $\varnothing D_c$	19 mm
Standard	DIN 6537 K
Flute length $L_c$	79 mm
Tolerance nominal $\varnothing$	h7
recommended maximum drilling depth $L_2$	50.5 mm
Feed $f$ in steel $< 900 \text{ N/mm}^2$	0.28 mm/rev.
Number of cutting edges $Z$	2
Series	Pro Steel
Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Point angle	140°
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	115 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	105 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	85 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	80 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	60 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	30 m/min	M

INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	25 m/min	M
GG	suitable	90 m/min	K
GGG	suitable	55 m/min	K
Uni	suitable		
wet maximum	suitable		
dry	suitable		