

**Garant**
**Hand reamer Configurable, uncoated, Nominal Ø DC: 19mm**

**Order data**

Order number	160200 19
GTIN	4045197927125
Item class	10N

**Description**
**Version:**

With **left-hand helix** 7 – 8° and long taper lead, more than 1/4 of the cutting length. An even number of teeth with irregular spacing for accurately round holes, free of chatter. The cylindrical ground chamfer on the plain cutting section smooths the hole and guides the reamer.

Hand reamers **finish ground to match your specifications.**

**Application:**

For through holes (not for blind holes). Also very suitable for interrupted holes.

**Technical description**

Shank square □	14.5 mm
Number of cutting edges Z	8
Ø range	18.201 - 19.1 mm
Nominal Ø D <sub>c</sub>	19 mm
Flute length L <sub>c</sub>	93 mm
Overhang L <sub>1</sub>	118 mm
Overall length L	188 mm
Coating	uncoated
Tool material	HSS
Standard	DIN 206 B
Helix angle	7-8 degrees
Through-coolant	no

Application for type of drilling	for through holes
Colour ring	without
Type of product	Phillips bit

**User data**

	<b>Suitability</b>	<b>V<sub>c</sub></b>	<b>ISO code</b>
Aluminium (short chipping)	suitable		
Steel < 500 N/mm <sup>2</sup>	suitable		
Steel < 750 N/mm <sup>2</sup>	suitable		
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions		
Oil	suitable		
dry	suitable only under restricted conditions		