Garant

Machine reamer H7, uncoated, Nominal Ø DC: 19mm



Order data

Order number	163000 19
GTIN	4045197253262
Item class	110

Description

Version:

With long flutes and left-hand helix.

From size 1.8 even number of teeth and uneven spacing.

Up to size 3.7 both ends with external centres;

from size 3.9 both ends with internal centres.

Reamers finish ground for fit H7.

Application:

For reaming through holes. Also suitable for blind holes (from 3.9 mm Ø) due to short chamfer lead.

Note:

• Straight flute machine chucking reamers – available ex-stock.

· For reamers with other diameters and fits see No. 162951.

Technical description

Overhang L ₁	140 mm	
Nominal Ø D _c	19 mm	
Shank tolerance	h9	
Feed f in steel < 750 N/mm ²	0.3 mm/rev.	
Shank Ø Ds	16 mm	
Overall length L	189 mm	
Flute length L _c	58 mm	
Number of cutting edges Z	8	

Tolerance	H7	
Reaming oversize in diameter	0.2 - 0.3 mm	
Coating	uncoated	
Tool material	HSS E	
Standard	DIN 212 B	
Through-coolant	no	
Shank	Plain shank with h9	
Application for type of drilling	for through holes	
Colour ring	without	
Type of product	Phillips bit	

User data

	Suitability	V _c	ISO code
Aluminium	suitable	20 m/min	Ν
Aluminium (short chipping)	suitable	20 m/min	Ν
Steel < 500 N/mm²	suitable	15 m/min	Р
Steel < 750 N/mm²	suitable	10 m/min	Р
Steel < 900 N/mm²	suitable	7 m/min	Р
Steel < 1100 N/mm²	suitable	5 m/min	Р
Steel < 1400 N/mm ²	suitable only under restricted conditions	4 m/min	Р
INOX < 900 N/mm ²	suitable	5 m/min	Μ
INOX > 900 N/mm ²	suitable only under restricted conditions	5 m/min	М
Ti > 850 N/mm²	suitable only under restricted conditions	5 m/min	S
GG(G)	suitable only under restricted conditions	5 m/min	К
CuZn	suitable only under restricted conditions	13 m/min	Ν

Uni	suitable	
Oil	suitable	
wet maximum	suitable	