

Machine reamer H7, uncoated, Nominal Ø DC: 13mm



Order data

Order number	163000 13
GTIN	4045197253200
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 \varnothing) 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

Nominal Ø D _c	13 mm	
Overhang L ₁	110 mm	
Feed f in steel < 750 N/mm ²	0.25 mm/rev.	
Shank tolerance	h9	
Shank Ø D _s	10 mm	
Overall length L	151 mm	
Flute length L _c	44 mm	
Number of cutting edges Z	6	

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	\mathbf{V}_{c}	ISO code
Aluminium	suitable	20 m/min	N
Aluminium (short chipping)	suitable	20 m/min	N
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/mm ²	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	М
INOX > 900 N/mm ²	suitable only under restricted conditions	5 m/min	М
Ti > 850 N/mm ²	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	N

Uni	suitable	
Oil	suitable	
wet maximum	suitable	