

# Machine reamer H7, uncoated, Nominal Ø DC: 12mm



## **Order data**

Order number	163000 12
GTIN	4045197253194
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**

Feed f in steel < 750 N/mm <sup>2</sup>	0.25 mm/rev.		
Overhang L <sub>1</sub>	110 mm		
Shank tolerance	h9		
Nominal Ø D <sub>c</sub>	12 mm		
Shank Ø D₅	10 mm		
Overall length L	151 mm		
Flute length L <sub>c</sub>	44 mm		
Number of cutting edges Z	6		

Tolerance	H7		
Reaming oversize in diameter	0.1 - 0.2 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
suitable	20 m/min	N
suitable	20 m/min	N
suitable	15 m/min	Р
suitable	10 m/min	Р
suitable	7 m/min	Р
suitable	5 m/min	Р
suitable only under restricted conditions	4 m/min	Р
suitable	5 m/min	М
suitable only under restricted conditions	5 m/min	М
suitable only under restricted conditions	5 m/min	S
suitable only under restricted conditions	5 m/min	К
suitable only under restricted conditions	13 m/min	N
	suitable  suitable  suitable  suitable  suitable  suitable  suitable only under restricted conditions  suitable  suitable only under restricted conditions  suitable only under	suitable 20 m/min  suitable 15 m/min  suitable 10 m/min  suitable 7 m/min  suitable 5 m/min  suitable only under restricted conditions suitable only under restricted conditions 5 m/min  suitable only under restricted conditions 13 m/min

Uni	suitable	
Oil	suitable	
wet maximum	suitable	