

Machine reamer H7, uncoated, Nominal Ø DC: 4,5mm



Order data

Order number	163000 4,5
GTIN	4045197252838
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

Shank tolerance	h9	
Overhang L ₁	51 mm	
Nominal Ø D _C	4.5 mm	
Feed f in steel < 750 N/mm ²	0.15 mm/rev.	
Shank Ø D _s	4.5 mm	
Overall length L	80 mm	
Flute length L _c	21 mm	
Number of cutting edges Z	6	

Tolerance	H7	
Reaming oversize in diameter	0.1 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 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/mm ²	suitable	15 m/min	Р
Steel < 750 N/mm ²	suitable	10 m/min	Р
Steel < 900 N/mm ²	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	M
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	K
CuZn	suitable only under restricted conditions	13 m/min	N

Uni	suitable	
Oil	suitable	
wet maximum	suitable	