



## Solid carbide drill plain shank DIN 6535 HA, AlTiN-Si, Ø DC m7 (mm or inch): 12



### Order data

Order number	122771 12
GTIN	4062406148218
Item class	12F

### Description

#### Version:

Tool specially matched to drilling holes without through-coolant. **Concave major cutting edges** and a **special flute profile** ensure a good chip evacuation. The sturdy cutter geometry with **special point geometry** and 4 cutting edges ensures drilling with good process reliability. A wide range of applications in steel materials thanks to a combination of tough ultra-fine grain carbide and extremely **wear-resistant** and **heat-resistant coating**.

#### Note:

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122772**.

Form **HE**: order with **No. 122773**.

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Through-coolant: no

Standard: DIN 6537

Tolerance nominal Ø: m7

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 53 mm

Tolerance nominal Ø: m7

Overall length L: 118 mm

Shank Ø  $D_s$ : 12 mm

Feed  $f$  in steel < 900 N/mm<sup>2</sup>: 0.2 mm/rev.

### Technical description

Overall length L	118 mm
Tolerance nominal Ø	m7

Shank $\varnothing D_s$	12 mm
recommended maximum drilling depth $L_2$	53 mm
Flute length $L_c$	71 mm
Feed $f$ in steel $< 900 \text{ N/mm}^2$	0.2 mm/rev.
Nominal $\varnothing D_c$	12 mm
Standard	DIN 6537
Number of cutting edges $Z$	2
Coating	AlTiN-Si
Tool material	Solid carbide
Version	6xD
Point angle	140°
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	green
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	200 m/min	N
Alu $> 10\% \text{ Si}$	suitable only under restricted conditions	160 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	110 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	90 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	80 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	70 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable only under restricted conditions	60 m/min	P
GG	suitable	90 m/min	K

GGG	suitable only under restricted conditions	60 m/min	K
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		