



## Solid carbide high performance drill Weldon shank DIN 6535 HB, TiN, Ø DC h7: 6,5mm



### Order data

Order number	123307 6,5
GTIN	4045197450005
Item class	12E

### Description

#### Version:

**Strong core and special point geometry** ensure the cutting chisel edges maintain **high self-centring accuracy**.

**Straight cutting edges** with slight edge hone and a special flute profile produce **short chips**.

#### Note:

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

For process reliability when using the 12xD deep-hole drill, an initial centre drilling with No. 121068 – 121130 or 3xD pilot drilling operation with No. 122736 is necessary.

### Technical description

Feed f in steel < 1100 N/mm <sup>2</sup>	0.15 mm/rev.
Shank tolerance	h6
Nominal Ø D <sub>c</sub>	6.5 mm
Flute length L <sub>c</sub>	108 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h7
Shank Ø D <sub>s</sub>	8 mm
Overall length L	146 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L <sub>2</sub>	98.3 mm

Coating	TiN
Tool material	Solid carbide
Version	12xD
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Pilot drill required	yes, pilot drill
Colour ring	green
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	175 m/min	N
Alu > 10% Si	suitable only under restricted conditions	135 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	105 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	75 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	45 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	30 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	35 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	M
GG(G)	suitable	65 m/min	K
Uni	suitable		
wet maximum	suitable		

