



Solid carbide drill plain shank DIN 6535 HE, TiAlN, Ø DC m7 (mm or inch): 4,2



Order data

Order number	122773 4,2
GTIN	4062406150396
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:

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 : 29.7 mm

Tolerance nominal Ø: m7

Overall length L: 74 mm

Shank Ø D_s : 6 mm

Feed f in steel < 900 N/mm²: 0.16 mm/rev.

Technical description

Number of cutting edges Z	2
Nominal Ø D_c	4.2 mm
Tolerance nominal Ø	m7
Shank Ø D_s	6 mm
Overall length L	74 mm

Flute length L_c	36 mm
recommended maximum drilling depth L_2	29.7 mm
Feed f in steel $< 900 \text{ N/mm}^2$	0.16 mm/rev.
Standard	DIN 6537
Coating	TiAlN
Tool material	Solid carbide
Version	6xD
Point angle	140°
Shank	DIN 6535 HE 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