

Garant

Solid carbide HPC drill type FS Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 4,5 mm



Order data

Order number	122675 4,5
GTIN	4045197397805
Item class	11E

Description

Version:

Particularly strong due to strengthened core and **special profile**. Special point geometry.

High concentricity and **long tool life**.

Precision drilling qualities.

Recommendation:

Maximum drilling depth:

Flute length (see table) less 1.5×nominal Ø.

Note:

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

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 37.3 mm

Overall length L: 82 mm

Shank Ø D_s : 6 mm

Feed f in titanium > 850 N/mm²: 0.04 mm/rev.

Technical description

Number of cutting edges Z	2
Feed f in titanium > 850 N/mm ²	0.04 mm/rev.
Nominal Ø D_c	4.5 mm
Flute length L_c	44 mm

Shank tolerance	h6
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	6 mm
Overall length L	82 mm
Standard	DIN 6537
recommended maximum drilling depth L_2	37.3 mm
Coating	TiAlN
Tool material	Solid carbide
	6×D
Type	FS
Point angle	140°
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	pink
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	260 m/min	N
Aluminium (short chipping)	suitable	240 m/min	N
Alu > 10% Si	suitable	160 m/min	N
Steel < 500 N/mm ²	suitable	110 m/min	P
Steel < 750 N/mm ²	suitable	90 m/min	P
Steel < 900 N/mm ²	suitable	85 m/min	P
Steel < 1100 N/mm ²	suitable	60 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	30 m/min	P

INOX < 900 N/mm ²	suitable	40 m/min	M
INOX > 900 N/mm ²	suitable	35 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		