

Garant
Solid carbide HPC drill plain shank DIN 6535 HA, DLC, Ø DC p6: 2,4mm

Order data

Order number	122606 2,4
GTIN	4045197567956
Item class	11E

Description
Version:

Spiral fluted, with **6 guide chamfers** and internal cooling channels.

New generation of high performance pilot drills in the HPC range.

With **140° point angle** and special **p6 cutting edge tolerance** for optimum generation of a pilot hole. High alignment accuracy and **roundness of the pilot hole**.

Note:

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

For deep-hole drilling deeper than $16 \times D$ a pilot hole is recommended, and for deep-hole drilling from $20 \times D$ to $30 \times D$ it is essential. **The generation of a pilot hole improves process reliability.**

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

Form **HB**: order with **No. 122608**.

Form **HE**: order with **No. 122606 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: p6

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 17.4 mm

Tolerance nominal Ø: p6

Overall length L: 57 mm

Shank Ø D_s : 4 mm

Feed f in aluminium short-chipping: 0.18 mm/rev.

Technical description

Number of cutting edges Z	2
Shank tolerance	h6
Nominal Ø D_c	2.4 mm

Feed f in aluminium short-chipping	0.18 mm/rev.
Flute length L _c	21 mm
Tolerance nominal Ø	p6
Shank Ø D _s	4 mm
Overall length L	57 mm
Standard	DIN 6537
recommended maximum drilling depth L ₂	17.4 mm
Coating	DLC
Tool material	Solid carbide
Version	6×D
Type	W
Point angle	140°
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	yellow
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	360 m/min	N
Aluminium (short chipping)	suitable	400 m/min	N
Alu > 10% Si	suitable	350 m/min	N
PMMA acrylic	suitable	150 m/min	N
PEEK	suitable	120 m/min	N
PVDF GF20	suitable	90 m/min	N
PA 66 GF30	suitable	80 m/min	N

PEEK GF30	suitable	70 m/min	N
PTFE CF25	suitable	80 m/min	N
Cu	suitable	160 m/min	N
CuZn	suitable	200 m/min	N
GRP	suitable	80 m/min	N
CRP	suitable	80 m/min	N
wet maximum	suitable		
wet minimum	suitable		