

Garant
Solid carbide HPC drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 19mm

Order data

Order number	122306 19
GTIN	4045197752062
Item class	11E

Description
Version:

DLC coating sp² of the latest generation with **low coefficient of friction** results in **outstanding chip clearance**. For **high-performance milling** of aluminium materials. **High alignment accuracy** and **roundness of the hole**, thanks to **6 guide chamfers**.

Size 1 - 1.5 with 4 guide chamfers.

Note:

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

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

Form **HB**: order with **No. 122307**.

Form **HE**: order with **No. 122306 + 129100HE**.

Standard: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 50.5 mm

Tolerance nominal Ø: h7

Overall length L: 131 mm

Shank Ø D_s : 20 mm

Feed f in aluminium short-chipping: 0.7 mm/rev.

Technical description

Shank Ø D_s	20 mm
Feed f in aluminium short-chipping	0.7 mm/rev.
Shank tolerance	h6
Nominal Ø D_c	19 mm

Overall length L	131 mm
Number of cutting edges Z	2
Standard	DIN 6537 K
Flute length L _c	79 mm
Tolerance nominal Ø	h7
recommended maximum drilling depth L ₂	50.5 mm
Coating	DLC
Tool material	solid carbide
Version	4×D
Type	W
Point angle	135 °
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		

Services

Shank grinding Type HE

129100 HE