

Garant
Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC h7: 12mm


Order data

Order number	122380 12
GTIN	4045197046000
Item class	11E

Description

Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

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. 122385**.

Form **HE**: order with **No. 122380 + 12900HE**.

Technical description

Flute length L_c	55 mm
Feed f in stainless steel $< 900 \text{ N/mm}^2$	0.18 mm/rev.
Number of cutting edges Z	2
Nominal $\varnothing D_c$	12 mm
Shank tolerance	h6
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	12 mm
Overall length L	102 mm
Standard	DIN 6537 K
recommended maximum drilling depth L_2	37 mm

Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	blue
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	245 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	35 m/min	P
INOX < 900 N/mm ²	suitable	55 m/min	M
INOX > 900 N/mm ²	suitable	50 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		

Services

Shank grinding Type HE	129100 HE
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