Garant

GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, ⌀ DC h7: 6,06-Xmm

Order data

Order number	123225 6,06-X
GTIN	4062406080419
Item class	11E

Description

Version:
Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low installed power** and high speeds.
· **Clear reduction in cutting forces due to special cutter geometry.**
· **Coating for best wear resistance even at high process temperatures.**
· **Polished flutes for good chip clearance.**
A **slim chisel point** and the **special arrangement of the 4 guide chamfers** ensure **high positioning and alignment accuracy**. Optimised micro-geometry for increased working life and performance capability.
Note:
Flute length $L_C = L_2 + 1.5 \times D_C$.
For process reliability when using the 12×D drill, an initial centre drilling with NC spotting drills No. 121068 – 121130 is necessary.
Form HB and HE are supplied at the same price as HA.
Order form **HB:** with **No. 123226**.
Order form **HE:** with **No. 123225 + 129100HE**. Delivery time: 12 working weeks
Minimum order quantity: 3 pcs
Items made to order for a specific customer:
Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement. Items cannot be returned. We reserve the right to over-deliver or under-deliver by ±10% (minimum 1 piece).

Technical description

Shank ⌀ D_s	8 mm

Tolerance nominal ∅	h7
Flute length L_c	108 mm
Standard	Manufacturer's standard
Overall length L	146 mm
Number of cutting edges Z	2
∅ range	6.06 - 8.05 mm
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	12×D
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, to 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	160 m/min	P
Steel < 750 N/mm²	suitable	125 m/min	P
Steel < 900 N/mm²	suitable	115 m/min	P
Steel < 1100 N/mm²	suitable	105 m/min	P
Steel < 1400 N/mm²	suitable	65 m/min	P
INOX < 900 N/mm²	suitable only under restricted conditions	55 m/min	M
GG	suitable	100 m/min	K
GGG	suitable	95 m/min	K

Uni	suitable
wet maximum	suitable
wet minimum	suitable