

Garant

GARANT Master Steel DEEP solid carbide deep-hole drill, plain shank DIN 6535 HA 25×D, TiAlN, Ø DC j6: 3mm



Order data

Order number	123893 3
GTIN	4062406266226
Item class	10E

Description

Version:

Excellent chip evacuation due to the unequal helical pitch of the flutes, guide rings and additional flute lands for very high precision when drilling. **Maximum process reliability** due to exactly matching tools within the overall system. Drilling up to the maximum depth without a pilot drill. **Significantly increased tool stability** due to the substantially strengthened core. **Increased metal removal rates** and **outstanding tool lives** lead to an economical high-end drilling process.

Note:

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

Standard: Manufacturer's standard

Tolerance nominal \varnothing : j6

Number of cutting edges Z: 2

Tolerance nominal \varnothing : j6

recommended maximum drilling depth L_2 : 83.5 mm

Overall length L: 131 mm

Shank $\varnothing D_s$: 6 mm

Feed f in steel < 900 N/mm²: 0.07 mm/rev.

Technical description

recommended maximum drilling depth L_2	83.5 mm
Flute length L_c	88 mm
Standard	Manufacturer's standard
Tolerance nominal \varnothing	j6

Shank $\varnothing D_s$	6 mm
Number of cutting edges Z	2
Overall length L	131 mm
Nominal $\varnothing D_c$	3 mm
Feed f in steel < 900 N/mm ²	0.07 mm/rev.
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	25xD
Point angle	138 °
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 40 bar
Machining strategy	HPC
Pilot drill required	yes, pilot drill
Colour ring	green
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	110 m/min	P
Steel < 750 N/mm ²	suitable	100 m/min	P
Steel < 900 N/mm ²	suitable	95 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	95 m/min	P
Steel < 1400 N/mm ²	suitable	75 m/min	P
INOX < 900 N/mm ²	suitable	60 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	55 m/min	M
GG(G)	suitable	100 m/min	K

Uni	suitable
wet maximum	suitable
wet minimum	suitable only under restricted conditions