Garant

Jobber drill extra long HSS FS, uncoated, Ø DC h8 × overall length L: 3,5X165mm

Order data

Order number	116240 3,5X165
GTIN	4045197028648
Item class	11B

Description

Version:

With precision ground point.

Significantly strengthened core without core taper. Bright finish flutes, nitrided chamfers. With point geometry shape C.

Advantage:

Special deep hole drills. For particularly deep or recessed holes. Good chip evacuation due to parabolic flutes, resulting in fewer chip evacuations even in particularly deep holes.

Recommendation:

Maximum drilling depth:

 $L_2 = L_C - 1.5 \times D_C$.

Note:

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability

Technical description

Nominal Ø D _c	3.5 mm		
Number of cutting edges Z	2		
Feed f in steel < 750 N/mm ²	0.05 mm/rev.		
Flute length L_c	115 mm		
Tolerance nominal Ø	h8		
Shank Ø D _s	3.5 mm		
Overall length L	165 mm		

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Data sheet

Standard	DIN 1869		
recommended maximum drilling depth L_2	109.8 mm		
Point angle	130 degrees		
Shank	Plain shank		
Coating	uncoated		
Tool material	HSS		
Туре	FS		
Helix angle	38 degrees		
Through-coolant	no		
Colour ring	without		
Type of product	Jobber drill		

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	50 m/min	Ν
Aluminium (short chipping)	suitable only under restricted conditions	32 m/min	Ν
Steel < 500 N/mm ²	suitable	28 m/min	Р
Steel < 750 N/mm²	suitable	21 m/min	Р
GG(G)	suitable	18 m/min	К
Oil	suitable		
wet maximum	suitable		