

Garant
Jobber drill extra long HSS FS, uncoated, Ø DC h8: 13,5R2mm

Order data

Order number	116720 13,5R2
GTIN	4045197034816
Item class	11C

Description
Version:

High concentricity.

Large section parabolic flutes; strong due to strengthened core thickness (without core taper).

≤ 16 mm Ø: Bright finish flutes, nitrided lands; > 16 mm Ø: Specially treated surface.

Special sturdy drills **for extremely deep holes.** Up to approx. 15×Ø without drill withdrawal.

With point geometry shape A.

Recommendation:
Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c$$

Note:

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530.**

Technical description

Number of cutting edges Z	2
Nominal Ø D _c	13.5 mm
Feed f in steel < 750 N/mm ²	0.16 mm/rev.
Flute length L _c	275 mm
Tolerance nominal Ø	h8
Overall length L	410 mm
Morse taper MT size	1
Standard	DIN 1870 R2
recommended maximum drilling depth L ₂	254.8 mm

Point angle	130 degrees
Shank	Morse taper
Coating	uncoated
Tool material	HSS
Type	FS
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	40 m/min	P
Steel < 750 N/mm ²	suitable	30 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Oil	suitable		
wet maximum	suitable		