

Garant
Jobber drill extra long HSS FS, uncoated, Ø DC h8: 21R1mm

Order data

Order number	116720 21R1
GTIN	4045197035004
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

Feed f in steel < 750 N/mm ²	0.2 mm/rev.
Flute length L _c	260 mm
Nominal Ø D _c	21 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h8
Overall length L	385 mm
Morse taper MT size	2
Standard	DIN 1870 R1
recommended maximum drilling depth L ₂	228.5 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		