

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 20 mm

Order data

Order number	123102 20
GTIN	4045197459046
Item class	11E

Description
Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**.

Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!

Convex cutting edges with honed edges and special flute profile for **short chips**, even on long chipping materials.

Advantage:

High process reliability and surface quality of the hole.

Recommendation:
Maximum drilling depth:

clamping slot length (see table) less $1.5 \times \text{nominal } \varnothing$.

Note:

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

NEW GENERATION AVAILABLE!

Recommended successor products are No. 123026 and 123036.

Standard: Manufacturer's standard

Tolerance nominal \varnothing : h7

Number of cutting edges Z: 2

Tolerance nominal \varnothing : h7

recommended maximum drilling depth L_2 : 160 mm

Overall length L: 243 mm

Shank $\varnothing D_s$: 20 mm

Feed f in steel < 1100 N/mm^2 : 0.32 mm/rev.

Technical description

Feed f in steel < 1100 N/mm^2	0.32 mm/rev.
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Nominal $\varnothing D_c$	20 mm
Number of cutting edges Z	2
Flute length L_c	190 mm
Shank tolerance	h6
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	20 mm
Overall length L	243 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L_2	160 mm
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8×D
Point angle	135 degrees
Cutting direction	right-hand
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill