

Garant
Solid carbide NC precision spotting drill 90°, uncoated, Ø DC h6: 20mm

Order data

Order number	121019 20
GTIN	4045197647719
Item class	11E

Description
Version:

Self-centring with **1-cutter geometry**, achieves **very high alignment accuracy**.

Application:

Point angle **90°** for spot drilling and countersinking in one operation when a drill of smaller Ø is used afterwards.

Note:

Use the speed for the actual hole Ø (not generally the speed for the drill outer Ø).

Maintain a feed rate $f = 0.015$ mm/rev!

Technical description

Feed f in steel < 1100 N/mm ²	0.015 mm/rev.
Shank tolerance	h6
Flute length L_c	20 mm
Nominal Ø D_c	20 mm
Shank Ø D_s	20 mm
Overall length L	100 mm
Shank	DIN 6535 HA to h6
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	h6

Point angle	90 degrees
Number of cutting edges Z	1
Through-coolant	no
Colour ring	without
Type of product	Spotting drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	200 m/min	N
Aluminium (short chipping)	suitable	180 m/min	N
Steel < 500 N/mm ²	suitable	80 m/min	P
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		