

Garant
Solid carbide HPC micro-drill, TiAlN, Ø DC +0.004: 1,9 mm

Order data

Order number	121220 1,9
GTIN	4045197353238
Item class	11E

Description
Version:

High performance miniature drill **with extra long flutes.**

Shank Ø 3 h6 for shrink-fit chucks.

High concentricity, precision ground for **HPC applications in steel.**

Recommendation:

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

Note:

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

Standard: Manufacturer's standard

Tolerance nominal Ø: 0 / 0.004

Number of cutting edges Z: 2

Tolerance nominal Ø: 0 / 0.004

recommended maximum drilling depth L_2 : 9.2 mm

Overall length L: 38 mm

Shank Ø D_s : 3 mm

Feed f in steel < 1100 N/mm²: 0.05 mm/rev.

Technical description

Feed f in steel < 1100 N/mm ²	0.05 mm/rev.
Shank tolerance	h6
Nominal Ø D_c	1.9 mm
Flute length L_c	12 mm
Number of cutting edges Z	2
Tolerance nominal Ø	0 / 0.004

Shank $\varnothing D_s$	3 mm
Overall length L	38 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L_2	9.2 mm
Coating	TiAlN
Tool material	Solid carbide
Type	N
Point angle	130 degrees
Shank	Parallel shank to h6
Through-coolant	no
Machining strategy	HPC
Semi-Standard	yes
Colour ring	without
Type of product	Jobber drill