

**Garant**
**Solid carbide HPC micro-drill, TiAlN, Ø DC +0.004: 2,49 mm**

**Order data**

Order number	121220 2,49
GTIN	4045197353436
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  $L_2$ : 11.3 mm

Overall length L: 46 mm

Shank Ø  $D_s$ : 3 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.05 mm/rev.

**Technical description**

Number of cutting edges Z	2
Feed f in steel < 1100 N/mm <sup>2</sup>	0.05 mm/rev.
Shank tolerance	h6
Nominal Ø $D_c$	2.49 mm
Flute length $L_c$	15 mm
Tolerance nominal Ø	0 / 0.004

Shank $\varnothing D_s$	3 mm
Overall length L	46 mm
Standard	Manufacturer's standard
recommended maximum drilling depth $L_2$	11.3 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