

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

**Order data**

Order number	121220 1,1
GTIN	4045197264374
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:**
**Maximum drilling depth:**

Flute length (see table) less 1.5×nominal Ø.

**Note:**

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

Machining strategy: HPC

Standard: Manufacturer's standard

Tolerance nominal Ø: 0 / 0.004

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: 0 / 0.004

recommended maximum drilling depth  $L_2$ : 8.9 mm

Overall length L: 38 mm

Shank Ø  $D_s$ : 3 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Nominal Ø $D_c$	1.1 mm
Shank tolerance	h6
Feed f in steel < 1100 N/mm <sup>2</sup>	0.03 mm/rev.
Number of cutting edges Z	2

Flute length $L_c$	10.5 mm
Tolerance nominal $\varnothing$	0 / 0.004
Shank $\varnothing D_s$	3 mm
Overall length L	38 mm
Standard	Manufacturer's standard
recommended maximum drilling depth $L_2$	8.9 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Type	N
Point angle	130 degrees
Shank	Parallel shank to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	without
Type of product	Jobber drill