

# tooling pin

## FS-2,90-DK-24-03-B

Item 50248



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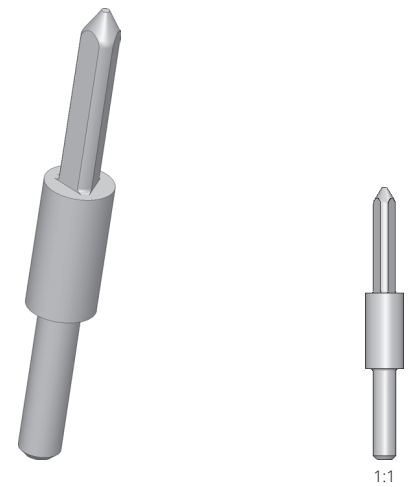
- Trusted tooling pin for reliable retention of the PCB via the tooling holes
- Chisel, round with collar
- Rigid design
- Quick, easy installation
- Suitable for inline interchangeable kits WS ASYS/ATH01...

### Application

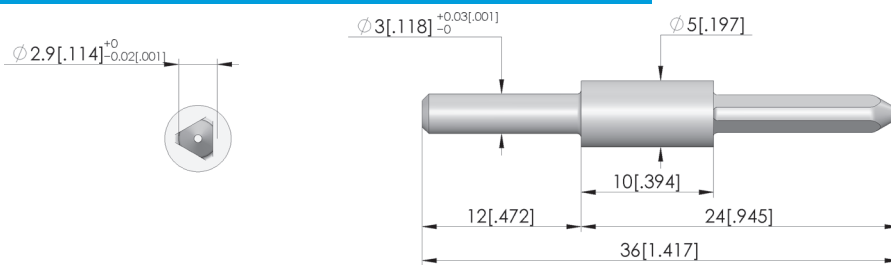
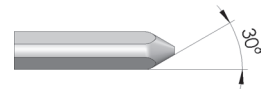
Tooling pins (FS) are used to ensure reliable retention of PCBs via the tooling holes and precise centring in the probe field. Tooling pins are typically installed in the probe plate.

#### Note:

For precise centring of the circuit board in the probe field, we recommend a combination of triangular and sword-shaped tooling pins, each with a precisely fitting tip diameter. The long side of the sword must always be aligned perpendicular to the distance between the triangular pins.



1:1



### General data

Product group: Tooling pins  
 Series: FS-ST  
 Type: Chisel, round with collar ( D5.0 x 10)  
 Version: Plate (NHP/KTP), 12 mm thick  
 Accessory type: Customising accessories  
 Material: 1.4305, hardened  
 Weight: 0.01 kg [.022 lbs]  
 Min. temperature: 10 °C [50 °F]  
 Max. temperature: 60 °C [140 °F]  
 RoHS-compliant: Yes

### Compatible with

Interchangeable kits (WS):

WS ASYS/ATH01/...

### Technical data

Tip diameter: 2.9 mm [.114 in]  
 Installation: Bore D = 3.0 mm  
 Length: 36 mm [1.41 in]  
 Tip height: 14 mm [.551 in]  
 Diameter: 5 mm [.196 in]  
 Pin diameter: 3 mm [.118 in]

tooling pin  
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#### Tooling pins

Part no. EN	Designation	Tip version EN
60804	FS-2,90-SW-24-03-B-G	tooling pin

#### Inline interchangeable kit

Part no. EN	Designation	Tip version EN
116630	WS ASYS/ATH01/173,5	Interchangeable kit
116641	WS ASYS/ATH01/210,5	Interchangeable kit

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