

# Spring-loaded tooling pin

## GFS-5,98-SW-12-08-B-G

Item 25217



GO TO PRODUCT

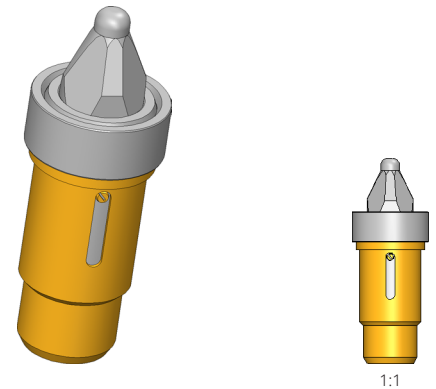
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- Trusted tooling pin for reliable, spring-loaded mounting of the PCB via the guide holes
- High-precision and low-wear
- Optimum tolerance compensation
- Compact design with internal spring

### Application

Spring-loaded tooling pins (GFS) are used to spring-load the PCB to be tested via the guide holes and position it precisely in the probe field on the contacting plane.



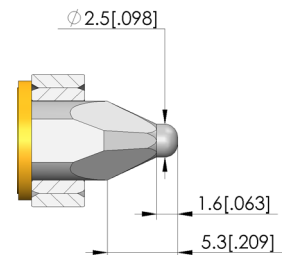
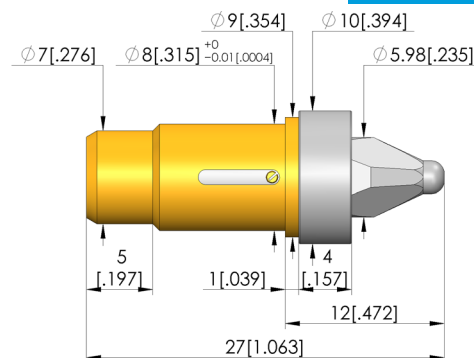
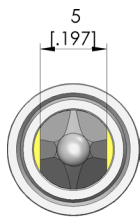
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#### Note:

The spring-loaded tooling pin is mounted in the moving plate (ADP) and must be positioned with the collar flush to the surface of the moving plate.

#### Note:

Depending on the shape and tolerance accuracy of the PCB, tooling pin combinations with round/round or round/blade tip styles are used. The long side of the blade must always be aligned perpendicular to the distance of the hole.



### General data

Product group:  
Series:  
Type:  
Version:  
Accessory type:  
Scope of delivery:  
Weight:  
Min. temperature:  
Max. temperature:  
RoHS-compliant:

Tooling pins  
FS-GF  
Spring-loaded  
Sword with collar (D9x1), moving plate (ADP)  
Customising accessories  
Incl. friction bearing  
0.01 kg [.022 lbs]  
10 °C [50 °F]  
60 °C [140 °F]  
Yes

### Compatible with

Exchangeable kits version:  
Manual test fixtures (MA):  
Vacuum test fixtures (VA):  
MA exchangeable kits (ATS MA):  
PA exchangeable kits (ATS PA):  
For dual-stage contacting:

No limitations  
MA 2012  
VA 30xx  
ATS MAxx  
ATS PAZxxx  
Yes

### Technical data

Stroke:  
Tip diameter:  
Force:  
Installation:  
Spring force:  
Length:  
Tip height:  
Diameter:  
Pin diameter:

5 mm [.196 in]  
5.98 mm [.235 in]  
3 N [10.7 ozf]  
Plugged  
3 N [10.7 ozf]  
27 mm [1.06 in]  
5.3 mm [.208 in]  
10 mm [.393 in]  
8 mm [.314 in]

Spring-loaded tooling pin

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#### Accessories

| Part no. | Designation           | Version                                            |
|----------|-----------------------|----------------------------------------------------|
| 25215    | GFS-5,98-RD-12-08-B-G | Spring-loaded tooling pin, tip style: round shaped |

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