

# GKS 112 FP

Test Probes for Flying Probe  
Test Systems Scorpion/Acculogic and Digitaltest

## Grid:

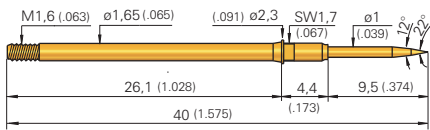
≥ 2,54 mm

≥ 100 Mil

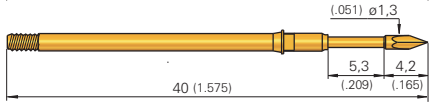
Installation Height: 14,7 - 21,6 mm (.579 - .850)

Recommended Stroke: 4,0 / 6,4 mm (.157 / .252)

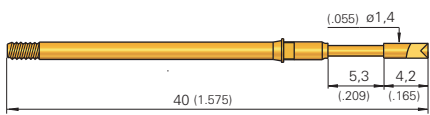
## Mounting and Functional Dimensions



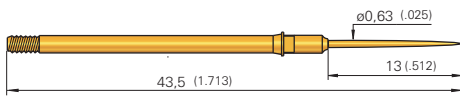
GKS-112 201 112 A xx05 MD



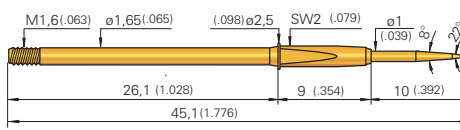
GKS-112 291 130 A xx05 MD



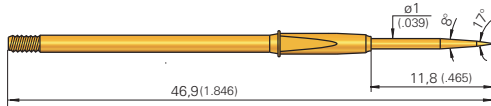
GKS-112 253 140 A xx05 MD



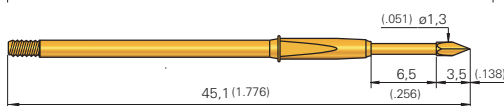
GKS-112 259 060 A xx05 MD



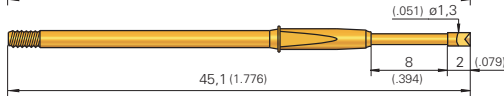
GKS-112 201 108 A xx10 MDL



GKS-112 251 108 A xx10 MDL

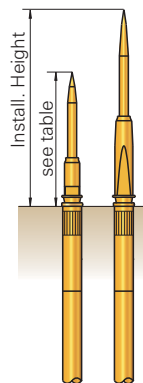


GKS-112 291 130 A xx10 MDL



GKS-112 303 130 A xx10 MDL

Type	* Working stroke in mm (inch)	Max. Stroke in mm (inch)	Inst.-Height with KS in mm (inch)
01...05 MD	6,4 (.252)	8,0 (.315)	14,7 (.579)
91...05 MD	4,0 (.157)	5,3 (.209)	14,7 (.579)
53...05 MD	4,0 (.157)	5,3 (.209)	14,7 (.579)
59...05 MD	6,4 (.252)	8,0 (.315)	18,2 (.717)
01...10 MDL	6,4 (.252)	8,0 (.315)	19,8 (.780)
51...10 MDL	6,4 (.252)	8,0 (.315)	21,6 (.850)
91...10 MDL	6,4 (.252)	6,5 (.256)	19,8 (.780)
03...10 MDL	6,4 (.252)	8,0 (.315)	19,8 (.780)



\* Working Stroke has been adjusted to 4 mm (see Technical Informations).

### Materials

**Plunger:** Steel or BeCu, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated

### Mechanical Data

**Spring Force at Work. Stroke:** 1,5 N (5.4oz)  
**alternative:** 0,6 (2.2oz); 0,8 (2.9oz); 2,25 (8.1oz); 3,0 N (10.8oz)

## Available Tip Styles

Version GKS-112 ... 05 MD

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2 01		A	∅ 1,12 (.044)	
2 91		A	∅ 1,30 (.051)	
2 53		A	∅ 1,40 (.055)	
2 59		A	∅ 0,60 (.024)	

## Available Tip Styles

Version GKS-112 ... 10 MDL

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2 01		A	∅ 1,08 (.043)	
2 51		A	∅ 1,08 (.043)	
2 91		A	∅ 1,30 (.051)	
3 03		A	∅ 1,30 (.051)	

### Note:

GKS-112 ... MD and MDL will be screwed in KS-112 ... M using special Tools > see example below and other tools on Page 170/171.

Receptacles KS-112 ... M: see Page 132.

Recommended Screw-in Torque: Min.: 3 Ncm / Max.: 5 Ncm

### Electrical Data

**Current Rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 20 mΩ

### Operating Temperature

**Standard:** -40° up to +80° C

### Mounting Hole Size

**for KS-112 xx M and KS-112 xx M-T in CEM 1 and FR 4:** ∅ 1,99 mm (.0783)  
**for KS-112 xx M-R in CEM 1 and FR 4:** ∅ 2,00 - 2,02 mm (.0787 - .0795)

## Ordering Example

Series	Tip Material	Tip Style	Tip Diameter	Plating	Spring Force	Collar Height	Special Designation
	2 = Steel 3 = BeCu		(1/100 mm)	A = Gold	(dN)	(mm)	alternative „MDL“

Test Probe:

G K S 1 1 2 2 0 1 1 1 2 A 1 5 0 5 M D

Receptacles (see Page 132):

K S - 1 1 2 3 0 M - T    K S - 1 1 2 3 0 M - R

Receptacles for Leakage test (see Page 132):

K S - 1 1 2 3 0 M

Screw-in Tool for GKS-112 ... 05 MD:

B I T - G K S 1 1 2 M - B

Screw-in Tool for GKS-112 ... 10 MDL:

B I T - G K S 1 1 2 M - B - F P