

GKS 112 MD

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

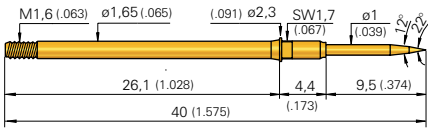
Grid:

≥ 2,54 mm
≥ 100 Mil

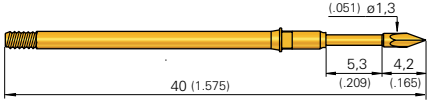
Installation Height: 14,7 - 21,6 mm (.579 - .850)

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

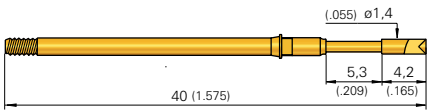
Mounting and Functional Dimensions



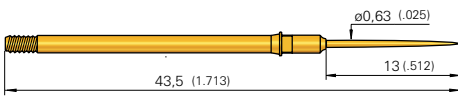
GKS-112 201 112 A xx05 MD



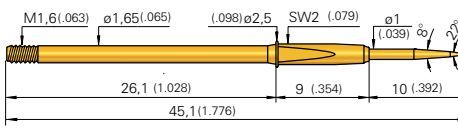
GKS-112 291 130 A xx05 MD



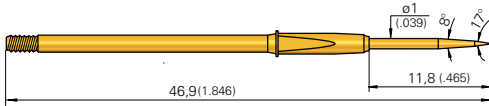
GKS-112 253 140 A xx05 MD



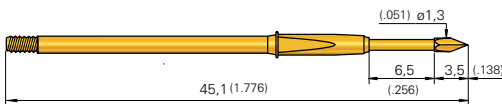
GKS-112 259 060 A xx05 MD



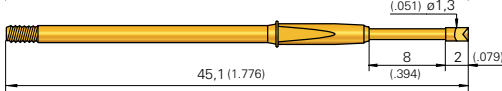
GKS-112 201 108 A xx10 MDL



GKS-112 251 108 A xx10 MDL

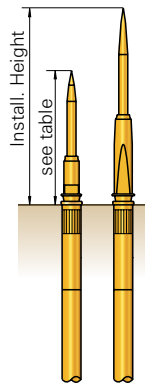


GKS-112 291 130 A xx10 MDL



GKS-112 303 130 A xx10 MDL

Type	Oper. stroke in mm (inch)	Max. Stroke in mm (inch)	Inst.- Height with KS in mm (inch)
01...05 MD	4,0 (.157)	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	4,0 (.157)	8,0 (.315)	18,2 (.717)
01...10 MDL	4,0 (.157)	8,0 (.315)	19,8 (.780)
51...10 MDL	4,0 (.157)	8,0 (.315)	21,6 (.850)
91...10 MDL	4,0 (.157)	6,5 (.256)	19,8 (.780)
03...10 MDL	4,0 (.157)	8,0 (.315)	19,8 (.780)



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	
			Ø	Ø (inch)
2 01		A	Ø 1,12 (.044)	
2 91		A	Ø 1,30 (.051)	
2 53		A	Ø 1,40 (.055)	
2 59		A	Ø 0,60 (.024)	

Available Tip Styles

Version GKS-112 ... 10 MDL

Material	Tip Style	Plating	Further Versions	
			Ø	Ø (inch)
2 01		A	Ø 1,08 (.043)	
2 51		A	Ø 1,08 (.043)	
2 91		A	Ø 1,30 (.051)	
3 03		A	Ø 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_i 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: Ø 1,99 mm (.0783)
for KS-112 xx M-R
in CEM 1 and FR 4: Ø 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