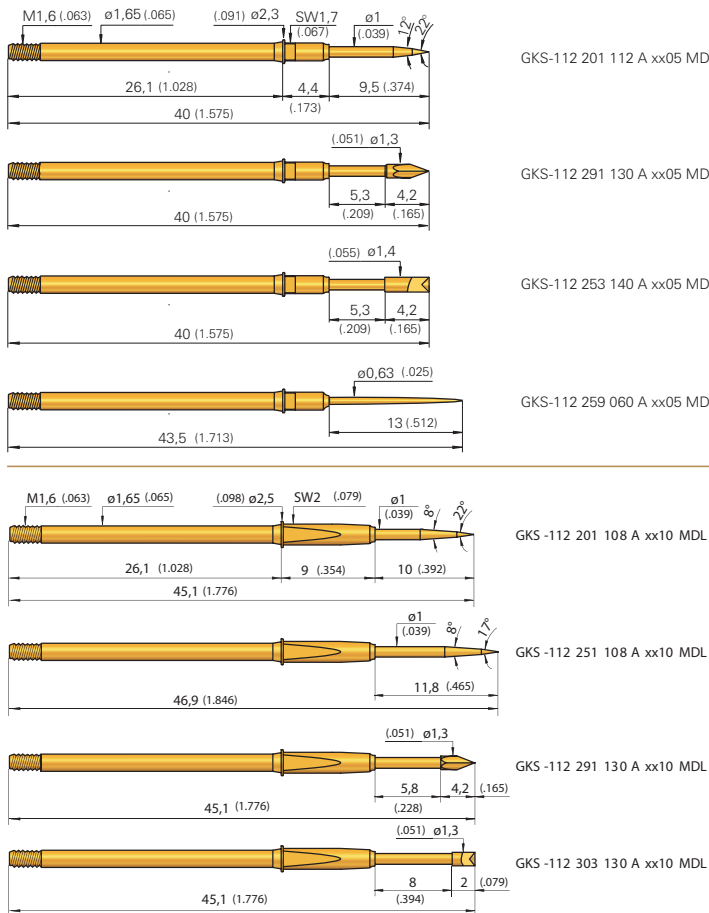


**Grid:**  
≥ 2,54 mm  
≥ 100 Mil

**Installation height with KS:** 14,7 - 21,6 mm (.579 - .850)  
**Recommended stroke:** 4,0 mm (.157)

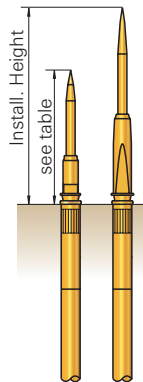
## Mounting and functional dimensions



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)	5,8 (.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 is screwed in KS-112 ... M, shown on page 125.  
 Recommended screw-in torque:  
 Min.: 3 cNm / Max.: 5 cNm

**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 CEM1 and FR4:** Ø 1,98 - 1,99 mm (.0780 - .0783)  
**for KS-112 xx M-R in CEM1 and FR4:** Ø 2,00 - 2,02 mm (.0787 - .0795)

## Ordering example

Series	Tip material	Tip style	Tip diameter	Plating	Spring force	Collar height	Special designation alternative
	2 = Steel 3 = BeCu		(1/100 mm)	A = Gold	(dN)	(mm)	"MDL"

Test probe:

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

Receptacles (shown on page 125):

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

Receptacles for leakage test (shown on page 125):

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