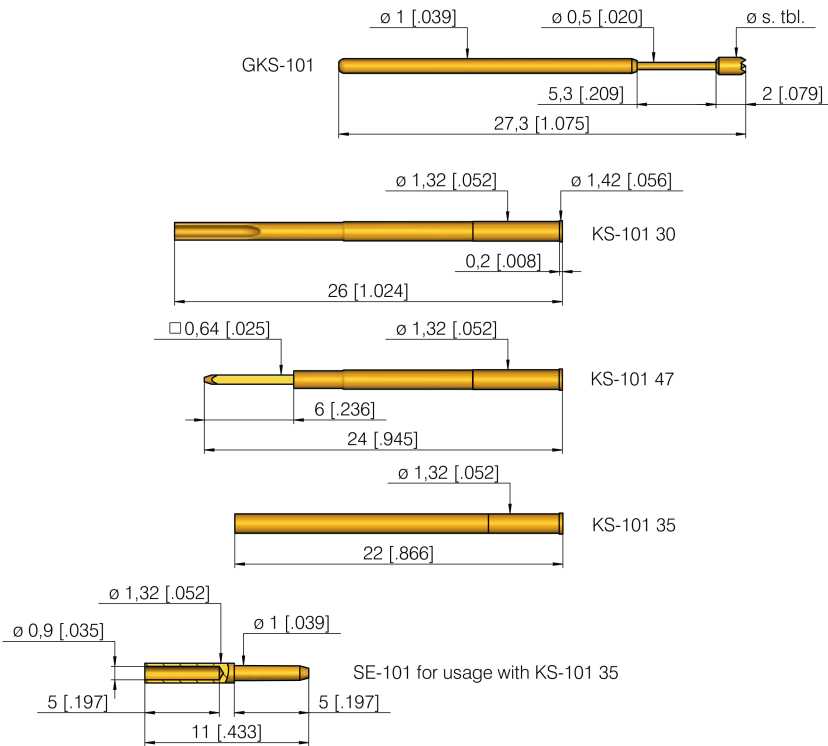


**Grid:**  
 ≥ 1,91 mm  
 ≥ 75 Mil

**Installation height with KS:** 12,5 / 14,0 mm (.492 / .551)  
**Recommended stroke:** 4,0 mm (.157)

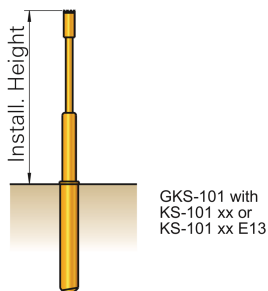
## Mounting and functional dimensions



### Collar height an installation height

The installation height of the test probe is determined by the collar height of the receptacle (KS).

Designation	Install. height with KS
KS-101 30/35/47	12,5 mm (.492)
KS-101 xx E13	14,0 mm (.551)
Further installation heights on request.	



### Mechanical data

**Working stroke:** 4,0 mm (.157)  
**Maximum stroke:** 5,3 mm (.209)  
**Spring force at work. stroke:** 0,8 N (2.9oz)  
**Alternative:** 0,5 N (1.8oz); 1,5 N (5.4oz)

### Electrical data

**Current rating:** 3 - 4 A  
**R<sub>i</sub> typical:** < 20 mΩ (\* < 100 mΩ)

### Operating temperature

**Standard:** -40° up to +80° C  
**\* with spec. designation"C":** -100° up to +200° (0,8 N)

### Materials

**Plunger:** BeCu or steel, gold-plated  
**Barrel:** Nickel-silver, gold-plated  
**Spring:** Steel, gold-plated or stainless steel\* (C)  
**Receptacle:** Brass or Nickel-silver, gold-plated

### Mounting hole size

**in CEM1:** ∅ 1,29 - 1,31 mm (.0508 - .0516)  
**in FR4:** ∅ 1,30 - 1,32 mm (.0512 - .0520)

Material		Tip style	Plating	Further versions	
				∅	∅ (inch)
3	01		∅ 0,50 (.020)	A	
3	02		∅ 1,15 (.045)	A	0,50 (.020)
3	03		∅ 1,15 (.045)	A	1,50 (.059)
3	04		∅ 1,15 (.045)	A	
3	05		∅ 1,15 (.045)	A	
3	06		∅ 1,15 (.045)	A	1,50 (.059)
3	07		∅ 1,30 (.051)	A	
3	08		∅ 1,15 (.045)	A	
3	14		∅ 1,30 (.051)	A	
2	24**		∅ 1,15 (.045)	A	
3	51		∅ 0,50 (.020)	A	

\*\* higher middle tip plus 0,5 mm

## Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)
Test probe:	G K S	1 0 1	3	0 1	0 5 0	A	0 8 0 0
Receptacles:	K S - 1 0 1 4 7	K S - 1 0 1 3 5	K S - 1 0 1 3 0 E 1 3				
Plug:	S E - 1 0 1						