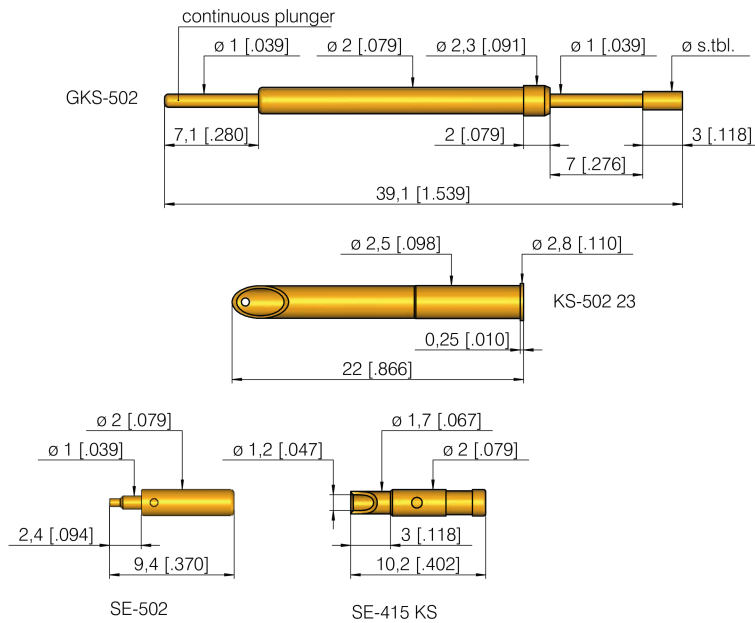


**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

**Installation height with KS:** 12,2 resp. 13,2 mm (.480/ .520)  
**Recommended stroke:** 5,6 mm (.220)

### Mounting and functional dimensions



### Available tip styles

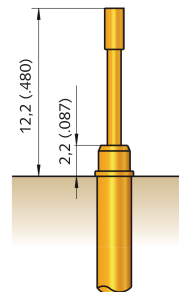
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3 02		A	$\phi 1,40$ (.055)	
3 03		A	$\phi 1,80$ (.071)	
3 04		A	$\phi 1,40$ (.055)	
2 33 ***		R	$\phi 2,50$ (.098)	
3 53 **		A	$\phi 2,50$ (.098)	
3 56 **		A	$\phi 2,50$ (.098)	2,50 R (.098)

\*\* tip length 4 mm (.157)  
 \*\*\* tip length 4 mm (.157), special designation "L"

### Collar height and installation height

The installation height of the tip (dimension without receptacle) is defined by the collar height.

Collar height	Tip style	Install. height with KS
02	02 / 03 / 04	12,2 mm (.4803)
02	33 / 53 / 56	13,2 mm (.5197)



### Mechanical data

**Working stroke:** 5,6 mm (.220)  
**Maximum stroke:** 7,0 mm (.276)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 0,8 N (2.9oz); 3,5 N (12.5oz); 5,0 N (18.1oz)

### Materials

**Plunger:** BeCu or steel, gold- or rhodium-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or stainless steel\*  
**Receptacle:** Brass, gold-plated

### Note:

The receptacle can be used from grid size 3,50 mm (140 Mil) upwards.

### Electrical data

**Current rating, conn. to plunger:** 12-15 A  
**Current rating, connection to KS:** 5 - 8 A  
**R<sub>i</sub> typical, connection to plunger:** < 10 mΩ  
**R<sub>i</sub> typical, connection to KS:** < 30 mΩ (\* < 100 mΩ)

### Mounting hole size

**in CEM1 and FR4:**  
**with receptacle:**  $\phi$  2,48 - 2,49 mm (.0976 - .0980)  
**without receptacle:**  $\phi$  2,00 mm (.0787)

### Operating temperature

**Standard:** -40° up to +80° C  
**\*with 5,0 N-spring:** -100° up to +200° C

### Ordering example

Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring force (dN)	Collar height (mm)	Special designation "L"
Test probe:	G K S	5 0 2	3 0 2	1 4 0	A	1 5	0 2
Receptacle:	K S - 5 0 2 2 3						
Plug:	S E - 5 0 2		S E - 4 1 5 K S		(for plugging onto the end of the plunger)		