

# GKS 113

Test Probe

**Grid:**

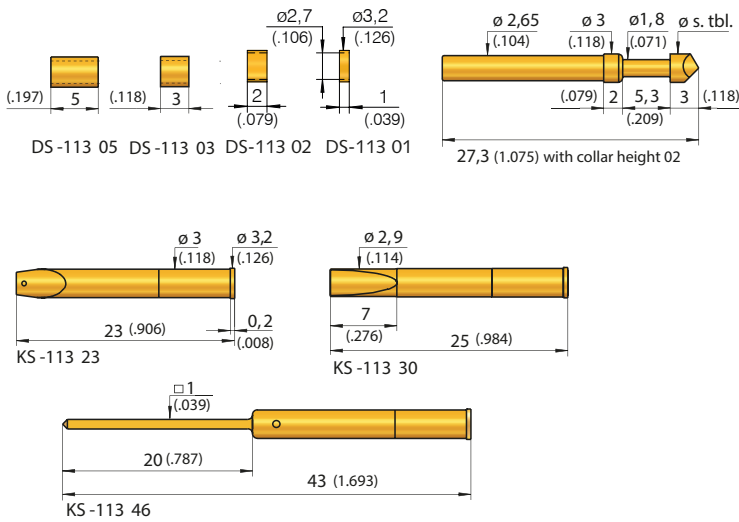
≥ 4,00 mm

≥ 160 Mil

Installation height with KS: 10,5/13,5/18,5 mm (.413/ .531/ .728)

Recommended stroke: 4,0 mm (.157)

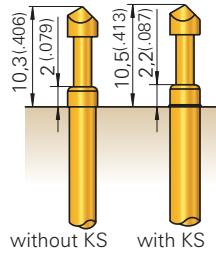
## Mounting and functional dimensions



### Collar height and installation height

The installation height of the tip (dimension measured with receptacle) is defined by the collar height.

Collar height	Installation height with receptacle
02	10,5 mm (.413)
05	13,5 mm (.531)
10	18,5 mm (.728)



### Mechanical data

**Working stroke:** 4,0 mm (.157)  
**Maximum stroke:** 5,3 mm (.209)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 0,3 (1.1oz); 0,6 (2.2oz); 1,0 (3.6oz); 2,25 (8.1oz); 3,0 (10.8oz); 5,0 N (18.1oz)

### Electrical data

**Current rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 30 mΩ (\* < 100 mΩ)

### Operating temperature

**Standard:** -40° up to +80° C  
**\*with Spec. Designations "C":** -100° up to +200° C (1,5 N; 2,25 N; 3,0 N)

### Materials

**Plunger:** BeCu or steel, gold-, rhodium- or chemically nickel-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or stainless steel\*(C)  
**Receptacles:** Brass, gold-plated

### Mounting hole size

**for GKS-113 and KS-113:**  
**with receptacle:** ∅ 2,98 - 2,99 mm (.1173 - .1177)  
**without receptacle:** ∅ 2,65 mm (.1043)

**Note:**

Screw-in version shown on page 128.

## Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2 01		R		
3 02		A	0,80 (.031) 1,00 (.039) 1,80 (.071) 3,00 (.118) 4,00 (.157)	
2 03		A		
3 03		A	4,00 R	(.157)
2 04		R	1,80 A 3,00	(.071) (.118)
3 05		A	0,80 (.031) 1,40 (.055) 3,00 R	(.118)
3 55		R		
Tip 1 mm (.0394) longer				
3 06		A	1,60 (.063) 2,30 (.091) 4,00 (.157) 8,00 (.315)	
3 06		R	2,50 (.098) 3,00 (.118) 3,50 (.138) 4,00 (.157) 6,00 (.236)	<b>NEW</b>
2 07		A		
<b>NEW</b> 3 07		R		
3 12		A		
3 13		R		
2 14		R		
2 15**		A		
Tip 2,5 mm (.0984) longer				
2 17		R	1,80 (.071) 3,00 A	(.118)
3 19		A	3,00	(.118)
3 72		A		
2 87		N	4,00	(.157)
2 88		A		

\*\* pressed-on steel Tip in base plunger made of brass

## 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 (alternative "C")
Test probe:	G K S	1	1 3	3	0 6	2 3 0	R	1 5 0 2
Receptacles:	K S - 1 1 3	2 3	K S - 1 1 3	3 0	K S - 1 1 3	4 6		
Spacers:	D S - 1 1 3	0 2	D S - 1 1 3	0 3	D S - 1 1 3	0 5		