

GKS 113

Test Probe

Grid:

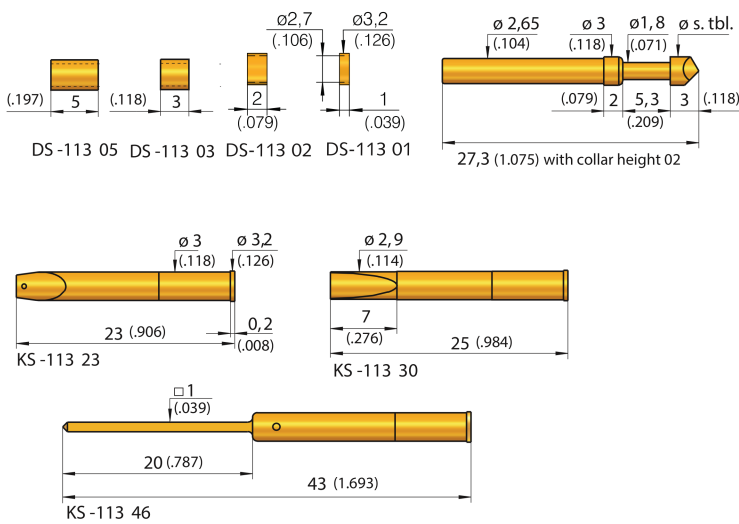
≥ 4,00 mm

≥ 160 Mil

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

Recommended stroke: 4,0 mm (.157)

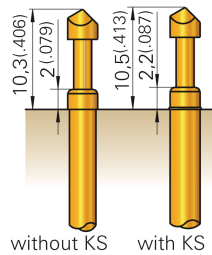
Mounting and functional dimensions



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_i 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	∅ 1,80 (.071)	
3	02	A	∅ 1,40 (.055) ∅ 2,30 (.091)	0,80 (.031) 1,00 (.039) 1,80 (.071) 3,00 (.118) 4,00 (.157)
2	03	A	∅ 3,00 (.118)	
3	03	A	∅ 2,30 (.091)	4,00 R (.157)
2	04	R	∅ 2,30 (.091)	1,80 A (.071) 3,00 (.118)
3	05	A	∅ 2,30 (.091)	0,80 (.031) 1,40 (.055) 3,00 R (.118)
3	55	R	∅ 3,00 (.118)	
Tip 1 mm (.0394) longer				
3	06	A	∅ 3,00 (.118)	1,60 (.063) 2,30 (.091) 4,00 (.157) 8,00 (.315)
3	06	R	∅ 2,30 (.091)	2,50 (.098) NEW 3,00 (.118) NEW 3,50 (.138) 4,00 (.157) 6,00 (.236)
2	07	A	∅ 3,00 (.118)	
3	07	R	∅ 4,20 (.165)	
3	12	A	∅ 1,80 (.071)	
3	13	R	∅ 1,80 (.071)	
2	14	R	∅ 1,40 (.055)	
2	15**	A	∅ 1,00 (.039)	
Tip 2,5 mm (.0984) longer				
2	17	R	∅ 2,30 (.091)	1,80 (.071) 3,00 A (.118)
3	19	A	∅ 4,00 (.157)	3,00 (.118)
3	72	A	∅ 1,80 (.071)	
2	87	N	∅ 2,60 (.102)	4,00 (.157)
2	88	A	∅ 2,30 (.091)	

** 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		