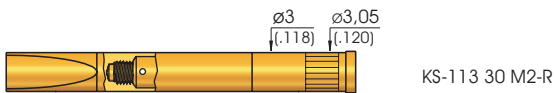
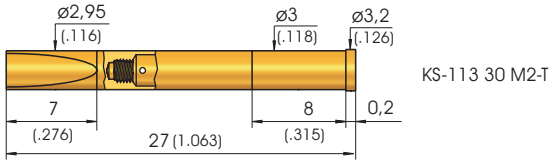
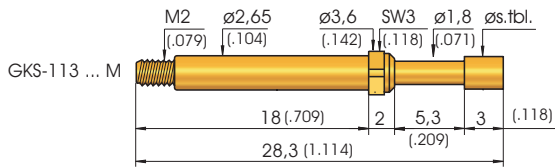


**Grid:**  
 ≥ 4,0 mm  
 ≥ 160 Mil

**Installation Height:** 10,5 mm (.413)  
**Recommended Stroke:** 4,0 mm (.157)

### Mounting and Functional Dimensions



\*\*\* axially positioned trough-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.

#### Collar Height and Installation Height

The Installation Height of the Tip is always 10,5 mm (.413). The Test Probe can only be used with a Receptacle.

#### 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 N (1.1oz); 0,6 N (2.2oz); 1,0 N (3.6oz); 2,25 (8.1oz); 3,0 N (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. Design. „MC“:** -100° up to +200° C  
 (1,5 N; 2,25 N; 3,0 N)

#### Materials

**Plunger:** Steel or BeCu, gold-, rhodium or chemically nickel-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or Stainless Steel\*\* (MC)  
**Receptacle:** Brass, gold-plated

#### Mounting Hole Size

**for KS-113 30 M2 and KS-113 30 M2-T in CEM 1 and FR 4:** ∅ 2,99 mm (.1177)  
**for KS-113 30 M2- R in CEM 1 and FR 4:** ∅ 3,00 - 3,02 mm (.1181 - .1189)

#### Note:

GKS-113 ... M will be screwed into KS-113 ... M using special tools, see Page 170/171.

**Recommended Screw-in Torque:**  
 Min.: 10 Ncm / Max.: 20 Ncm

### 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)	
3 03		A	3,00 (.118) 4,00 R (.157)	
2 04		R	1,80 A (.071) 3,00 (.118)	
3 05		A	0,80 (.031) 1,40 (.055) 3,00 R (.118)	
3 55		R		
Tip Length 4 mm (.157)				
3 06		A	1,60 (.063) 2,30 (.091) 4,00 (.157) 8,00 (.315)	
3 06		R	2,50 (.098) 3,50 (.138) 6,00 (.236)	
2 07		A		
3 07		R		
3 12		A		
3 13		R		
2 14		R		
2 15*		A		
2,5 mm 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-in Steel Tip in Base Plunger made of Brass

### Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation alternative „MC“
	2 = Steel 3 = BeCu			A = Gold N = Nickel R = Rhodium			

Test Probe:

G K S 1 1 3 3 0 6 2 3 0 R 1 5 0 2 M

Receptacles for GKS-113 ... M:

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

Receptacles for Leakage Test\*\*\*:

K S - 1 1 3 3 0 M 2