

# GKS 102

Universal Test Probe for Direct Wiring

## Grid:

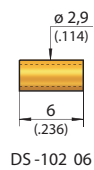
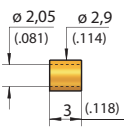
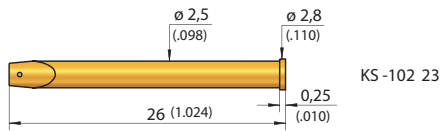
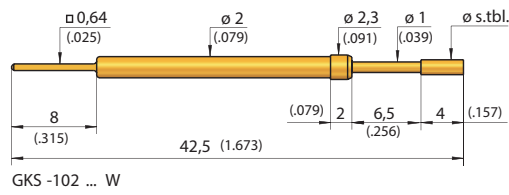
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 12,7 resp. 13,7 mm (.500/ .531)

Recommended stroke: 4,8 mm (.189)

## Mounting and functional dimensions



## Available tip styles

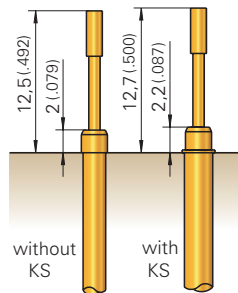
Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2 01		A		
1 02		A	2,30	(.091)
1 03		A		
2 04		A		
3 05		A		
3 06		A		
2 50*		P		

\* PCB support probe: insulating tip made of PVC  
installation height 13,5 mm (.531), Total length 43,5 mm

## Collar height and installation height

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

Collar height	Installation height without receptacle
02 Tip style 01 to 06	12,5 mm (.492)
02 Tip style 50*	13,5 mm (.531)



## Mechanical data

**Working stroke:** 4,8 mm (.189)  
**Maximum stroke:** 6,5 mm (.256)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 3,0 N (10.8oz); 5,0 N (18.1oz)

## Materials

**Plunger:** Brass or steel, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated

## Note:

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

## Electrical data

**Current rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 20 mΩ

## Mounting hole size

**with receptacle:** ∅ 2,48 - 2,49 mm (.0976 - .0980)

## Operating temperature

**Standard:** -40° up to +80° C

## without receptacle:

**in CEM1:** ∅ 1,98 - 2,00 mm (.0780 - .0787)  
**in FR4:** ∅ 1,99 - 2,01 mm (.0783 - .0791)

## Ordering example

Series	Tip material 1 = Brass 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold P = PVC	Spring force (dN)	Collar height (mm)	Type
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Test probe:

G K S 1 0 2 1 0 2 1 4 0 A 1 5 0 2 W

Receptacle:

K S - 1 0 2 2 3

Spacers:

D S - 1 0 2 0 3      D S - 1 0 2 0 6