

# GKS 103 / 103 M

Universal Test Probe with high stability

## Grid:

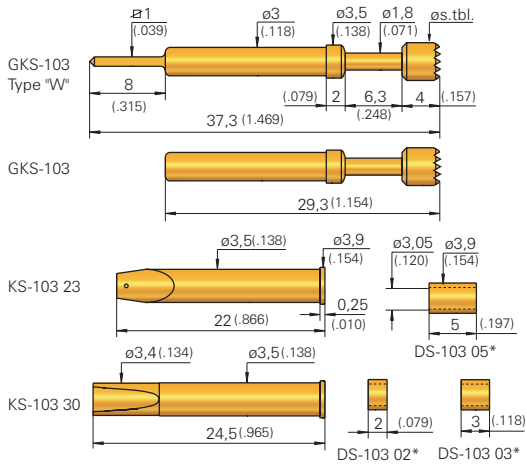
≥ 4,00 mm

≥ 160 Mil

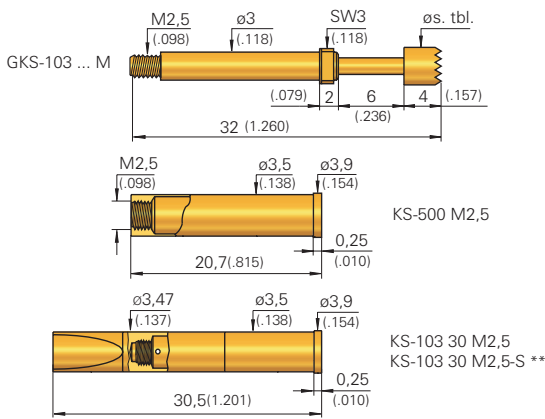
Installation Height: 12,3 mm (.484)

Recommended Stroke: 4,8 mm (.189)

## Mounting and Functional Dimensions



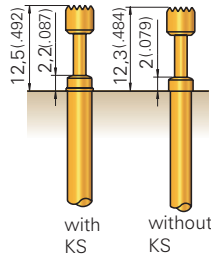
## GKS-103 ... M



## Collar Height and Installation Height

The Installation Height of the Tip is determined by the Collar Height.

Collar Height	Installation Height (without Receptacle)
02	12,3 mm (.484)



## Mechanical Data

**Working Stroke:** 4,8 mm (.189)  
**Maximum Stroke:** 6,0 mm (.236)  
**Spring Force at Work. Stroke:** 1,5 N (5.4oz)  
**alternative:** 0,8 N (2.9oz); 3,0 N (10.8oz), 5,0 N (18.1oz)

## Materials

**Plunger:** Steel or Brass, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or Stainless Steel\*\*\* (C)  
**Receptacle:** Brass, gold-plated

## Electrical Data

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

## Mounting Hole Size

**with Receptacle:** ∅ 3,48 - 3,49 mm (.1370 - .1374)  
**without Receptacle:** ∅ 3,00 mm (.1181)

## Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2 01		A		
1 02		A	4,00	(.157)
2 02		A		
1 03		A	4,00	(.157)
2 04		A	4,00	(.157)
1 05		A	4,00	(.157)
2 06		A	4,00 6,50 9,00	(.157) (.256) (.354)

## \* Note:

The Receptacle can be used from Grid 4,50 mm (177 Mil) up.

- Usage of Spacers is not possible with GKS-103 ... M.
- Usage of the Test Probe with Spacer DS-103 03 and DS-103 05 is only possible with KS-103 23-2 (i.e. Receptacle with stronger crimp in upper crimp position.)

## \*\* KS-103 30 M2,5-S:

The Test Probes is secured in the Receptacle by means of a crimp.

## Note:

GKS-103 ... M will be screwed into Receptacle KS-500 M2,5; using special tools (see Page 170/171).

Test Probes with Tip Diameter > 4,0 mm (.157) cannot be assembled with this tool. Tool upon request

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

## Operating Temperature

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

## Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type alternative
1 = Brass	2 = Steel			A = Gold			„M“, „C“, „WC“, „MC“

Test Probe:

G K S 1 0 3 2 0 1 1 8 0 A 1 5 0 2

Receptacles:

K S - 1 0 3 2 3 K S - 1 0 3 3 0

Receptacles for GKS-103 ... M:

K S - 1 0 3 3 0 M 2,5 K S - 1 0 3 3 0 M 2,5 - S K S - 5 0 0 M 2,5

Spacers\*:

D S - 1 0 3 0 2 D S - 1 0 3 0 3 D S - 1 0 3 0 5