

GKS 103 / 103 M

Universal Test Probe with high stability

Grid:

≥ 4,00 mm

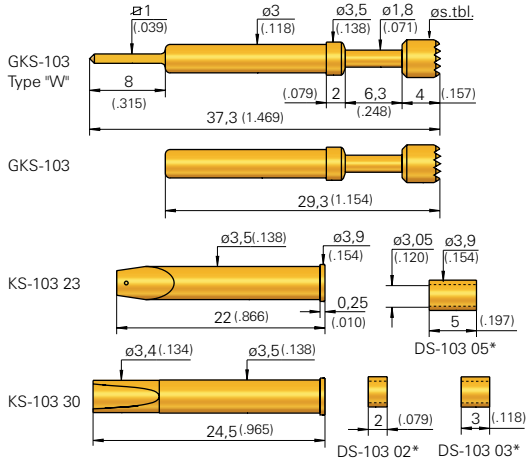
≥ 160 Mil

Installation Height: 12,3 mm (.484)

Recommended Stroke: 4,8 mm (.189)

Mounting and Functional Dimensions

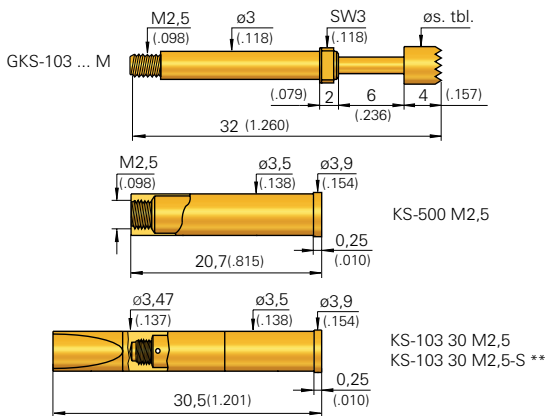
GKS-103 Type „W“



Note:

The Receptacle KS-103 30 is not compatible with GKS-103 Typ „W“.

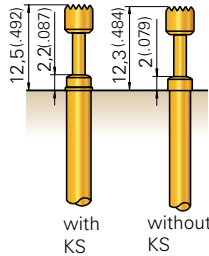
GKS-103 ... M



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_i typical: < 30 mΩ (*** < 100 mΩ)

Mounting Hole Size

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

Operating Temperature

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

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			Ø	Ø (inch)
2	01	A	Ø 1,80 (.071)	
1	02	A	Ø 2,30 (.091)	4,00 (.157)
2	02	A	Ø 6,50 (.256)	
1	03	A	Ø 2,30 (.091)	4,00 (.157)
2	04	A	Ø 2,30 (.091)	4,00 (.157)
1	05	A	Ø 2,30 (.091)	4,00 (.157)
2	06	A	Ø 2,30 (.091)	4,00 (.157) 6,50 (.256) 9,00 (.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

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type alternative „W“
G K S	1 = Brass 2 = Steel			A = Gold			„M“, „C“, „WC“, „MC“
103							
2							
01							
180							
A							
15							
02							
KS-103 23							
KS-103 30							
KS-103 30 M2,5							
KS-103 30 M2,5-S							
KS-500 M2,5							
DS-103 02							
DS-103 03							
DS-103 05							