GKS 103 / M

Grid:
≥ 4,00 mm
≥ 160 Mil

Universal Test Probe with high stability
Installation Height: 12,0 mm (.472)
Recommended Stroke: 4,8 mm (.189)

Available Tip Styles

Material	Tip Style	Standard Plating	Special Versions Ø	Special Versions Ø(inch)
2	01 Ø 1,80 (.071)	A		
1	02 Ø 2,30 (.091)	A	4,00	(.157)
2	02 Ø 6,50 (.256)	A		
1	03 Ø 2,30 (.091)	A	4,00	(.157)
2	04 Ø 2,30 (.091)	A	4,00	(.157)
1	05 Ø 2,30 (.091)	A	4,00	(.157)
2	06 Ø 2,30 (.091)	A	4,00 6,50 9,00	(.157) (.256) (.354)

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

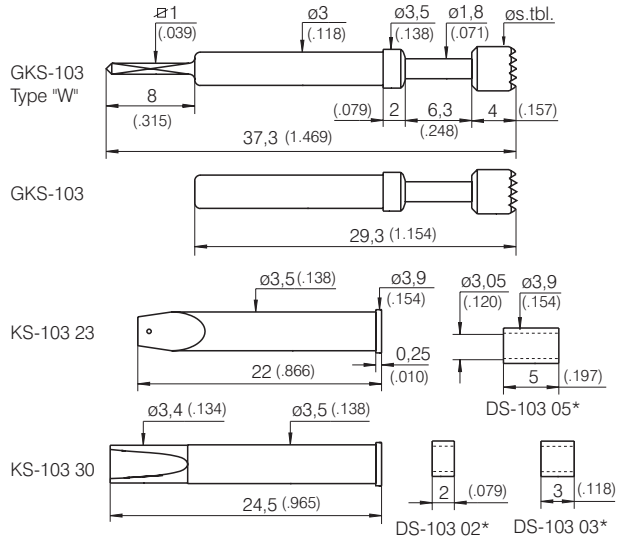
Materials
Plunger: Steel or Brass, gold-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated or stainless Steel** (C)
Receptacle: Brass, gold-plated

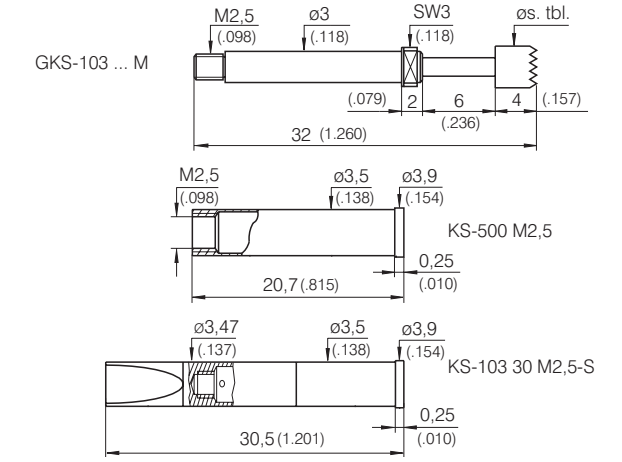
Note:
The Receptacle can be used from Grid 4,50 mm (180 Mil) up.
* Usage of Spacers is not possible with GKS-103 ... M.
* Usage of the Test Probe with Spacer DS-103 03 and DS-103 05 is only possible with Receptacle KS-103 23 - 2 (i.e. Receptacle with stronger crimp in upper crimp position).

Tools:
Insertion and Extraction Tools for GKS and KS > see Page 80.

GKS-103 ... M and KS-500 M2.5 resp. KS-103 30 M2.5-S:
GKS-103 ... M will be screwed into Receptacle KS-500 M2.5 using special tools > see Page 103.
Recommended Screw-in Torque: Maximum 20 Ncm.
Test Probes with Tip Diameter > 4,0 mm (.157) cannot be assembled with this tool.

Mounting and Functional Dimensions

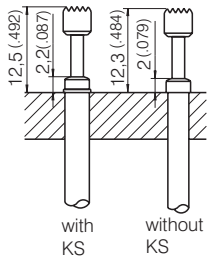




Mechanical Data
Working Stroke: 4,8 mm (.189)
Maximum Stroke: 6,0 mm (.236)
Spring Force at Work. Stroke: 1,5 N (5.4oz)
alternative: 0,8 N (2.9oz); 3,0 N (10.8oz); 5,0 N (18.1oz)

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

Collar Height	Install. Height (without KS)
02	12,3 mm (.484)



Electrical Data
Current Rating: 5-8 A
R_i typical: < 30 mΩ (** >100 mΩ)

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

Ordering Example:

Series	Tip Material 1 = Brass 2 = Steel	Tip Style	Tip Diameter ($^1/_{100}$ mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)	Type alternative "W", "M", "C", "WC", "MC"
GKS	103	2 01	180	A	15	02	

Test Probe: GKS 103 2 01 180 A 15 02
Receptacles: KS-103 23 | KS-103 30 | KS-500 M2.5
Spacers*: DS-103 02 | *DS-103 03 | *DS-103 05

All specifications are subject to change without prior notification