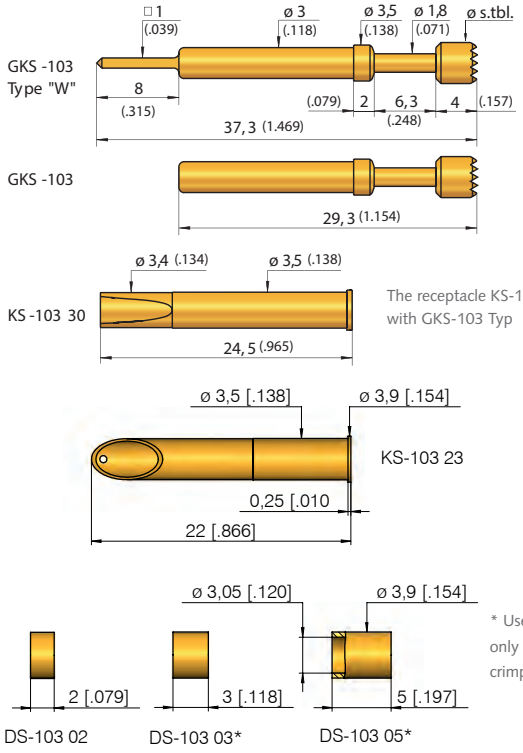
GKS 103

Universal Test Probe with High Stability

Grid:
≥ 4,00 mm
≥ 160 Mil
Installation height with KS: 12,5 mm (.492)
Recommended stroke: 4,8 mm (.189)

Mounting and functional dimensions



The receptacle KS-103 30 is **not** compatible with GKS-103 Typ "W".

* Use of test probe with DS-103 03 and DS-103 05 spacers only possible with KS-103 23-2 (receptacle with stronger crimp in upper crimp position).

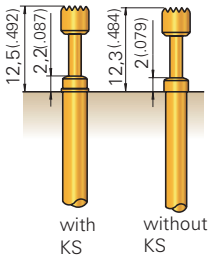
Available tip styles

Material	Tip style		Plating	Further versions ∅	Further versions ∅ (inch)
2	01	∅ 1,80 (.071)	A		
1	02	∅ 2,30 (.091)	A	4,00	(.157)
2	02	∅ 6,50 (.256)	A		
1	03	∅ 2,30 (.091)	A	4,00	(.157)
2	04	∅ 2,30 (.091)	A	4,00	(.157)
1	05	∅ 2,30 (.091)	A	4,00	(.157)
2	06	∅ 2,30 (.091)	A	4,00 6,50 9,00	(.157) (.256) (.354)

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

Note:
The receptacle can be used from grid size 4,50 mm (177 Mil) upwards.

Electrical data

Current rating: 5 - 8 A
R_i typical: < 30 mΩ (**< 100 mΩ)

Mounting hole size

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

Note:
Screw-in version shown on page 129.

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)

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" "C", "WC"
Test probe:	GKS	103	2	01	180	A	15	02	
Receptacles:	KS-103 23			KS-103 23-2			KS-103 30		
Spacers:	DS-103 02			DS-103 03			DS-103 05		