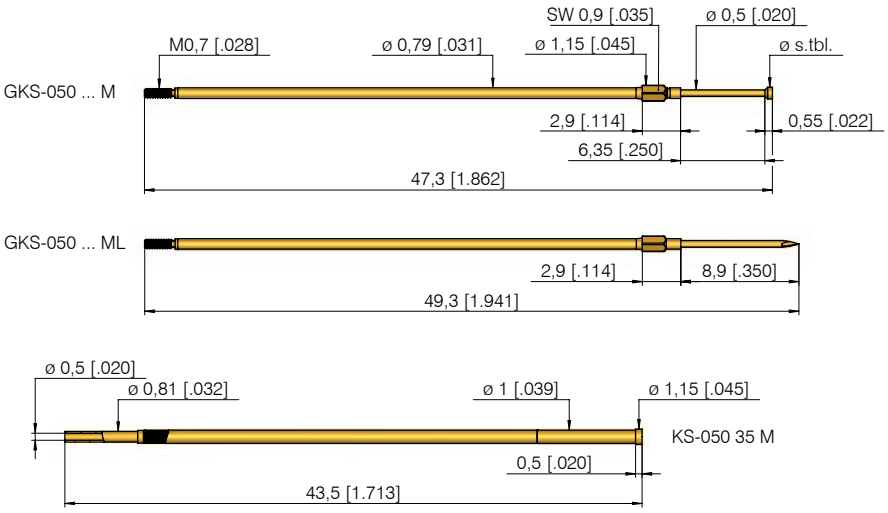
GKS 050 M

Screw-in Test Probe

Mounting and functional dimensions



Available tip styles
version GKS-050 ... M

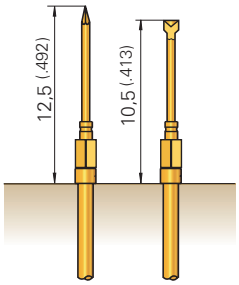
Material	Tip style		Plating	Further versions ∅	Further versions ∅ (inch)
2	01	∅ 0,50 (.020)	A		
3	02	∅ 0,60 (.023)	A		
3	03	∅ 0,50 (.020)	A	0,90	(.035)
3	05	∅ 0,50 (.020)	A		
3	06	∅ 0,90 (.035)	A		
3	07	∅ 0,50 (.020)	A	0,90	(.035)
2	14	∅ 0,50 (.020)	A		
NEW 3	19	∅ 0,90 (.035)			
2	22 *	∅ 0,40 (.020)	A		
2	31	∅ 0,50 (.020)	A		
2	38	∅ 0,50 (.020)	A		
2	77	∅ 0,50 (.020)	A		
2	91	∅ 0,50 (.020)	A		
2	97	∅ 0,50 (.020)	A		

* conical down to ∅ 0,50 mm

Collar height and installation height

The installation height of the tip (measured with the receptacle) is determined by the collar height of the receptacle.

Collar height	Installation height
03 M	10,5 mm (.413)
03 ML	12,5 mm (.492)



GKS-050 ...ML GKS-050 ...M

(with KS-050...)

Available tip styles
special version GKS-050 ... ML

Material	Tip style		Plating	Further versions ∅	Further versions ∅ (inch)
2	91	∅ 0,50 (.020)	A		

Total length 49,3 mm (1.941), special designation "ML"

Mechanical data

Working stroke: 4,3 mm (.169)
Maximum stroke: 6,35 mm (.250)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 1,0 N (3.6oz); 2,0 N (7.2oz)

Materials

Plunger: BeCu or steel, gold-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated or stainless steel** (MC)
Receptacle: Brass, gold-plated

Electrical data

Current rating: 2 - 3 A
R_i typical: < 20 mΩ (** < 100 mΩ)

Mounting hole size

in CEM1: ∅1,00 - 1,02 mm (.0394-.0401)
in FR4: ∅1,01 - 1,03 mm (.0398-.0405)

Operating temperature

Standard: -40° up to +80° C
****with spec. designation "MC", "MLC":** -100° up to +200°C (2,0 N)

Recommended screw-in torque:
Min.: 0,5 cNm / Max.: 1 cNm

Note:
The KS-050 ... M receptacle is available pre-wired with 1 m AWG 30 wire (see ordering example). Minimal recommended bending radius: 10 mm (.394).

Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Special designation "M", "MC" "ML", "MLC
Test probe with Total length 47,3 mm (1.862):	GKS	2	91	050	A	15	03	M
Test probe with Total length 49,3 mm (1.941):	GKS	2	91	050	A	15	03	ML
Receptacles:	KS-05035M							KS-05035M-V-30
Insertion tool for KS-050 ... M:	SW-KS-080							