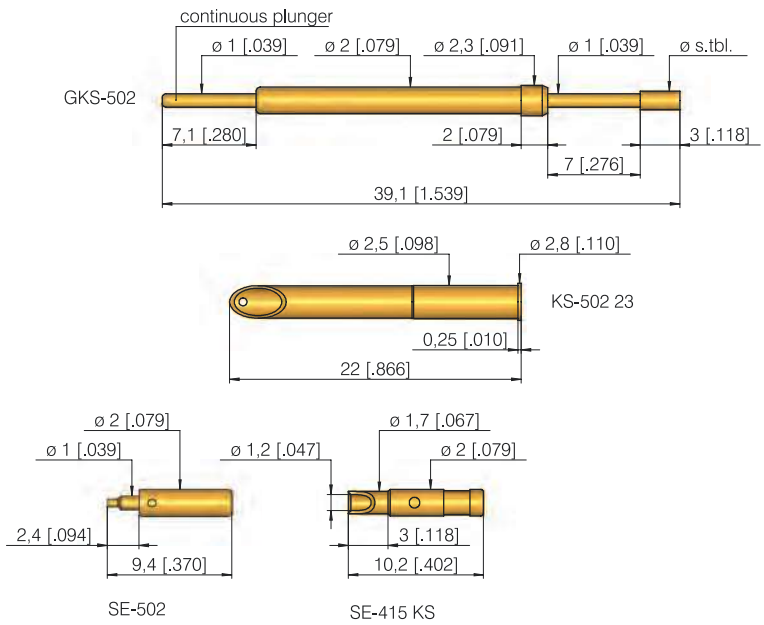
Grid:
≥ 2,54 mm
≥ 100 Mil
Installation height with KS: 12,2 resp. 13,2 mm (.480/ .520)
Recommended stroke: 5,6 mm (.220)

GKS 502

Test Probe with Continuous Plunger

Mounting and functional dimensions



Available tip styles

Material	Tip style		Plating	Further versions ∅	Further versions ∅ (inch)
3	02	∅ 1,40 (.055)	A		
3	03	∅ 1,80 (.071)	A		
3	04	∅ 1,40 (.055)	A		
2	33 ***	∅ 2,50 (.098)	R		
3	53 **	∅ 2,50 (.098)	A		
3	56 **	∅ 2,50 (.098)	A	2,50 R	(.098)

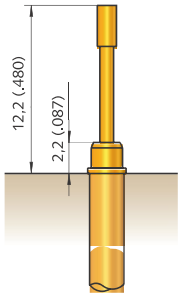
** tip length 4 mm (.157)
*** tip length 4 mm (.157), special designation "L"

Metric
Stand. GKS

Collar height and installation height

The installation height of the tip (dimension without receptacle) is defined by the collar height.

Collar height	Tip style	Install. height with KS
02	02 / 03 / 04	12,2 mm (.4803)
02	33 / 53 / 56	13,2 mm (.5197)



Mechanical data

Working stroke: 5,6 mm (.220)
Maximum stroke: 7,0 mm (.276)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 0,8 N (2.9oz); 3,5 N (12.5oz); 5,0 N (18.1oz)

Materials

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

Note:
The receptacle can be used from grid size 3,50 mm (140 Mil) upwards.

Electrical data

Current rating, conn. to plunger: 12-15 A
Current rating, connection to KS: 5 - 8 A
R_i typical, connection to plunger: < 10 mΩ
R_i typical, connection to KS: < 30 mΩ (*< 100 mΩ)

Mounting hole size

in CEM1 and FR4:
with receptacle: ∅ 2,48 - 2,49 mm (.0976 - .0980)
without receptacle: ∅ 2,00 mm (.0787)

Operating temperature

Standard: -40° up to +80° C
***with 5,0 N-spring:** -100° up to +200° C

Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring force (dN)	Collar height (mm)	Special designation "L"
Test probe:	GKS	5	02	3	02	140	A	15	02	
Receptacle:	KS-502 23							
Plug:	SE-502 / SE-415 KS (for plugging onto the end of the plunger)							