


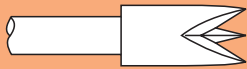
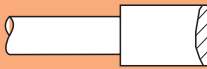



Test Probe with continuous Plunger
 Installation Height: 12,0 resp. 13,0 mm (.472/.512)
 Recommended Stroke: 5,6 mm (.220)

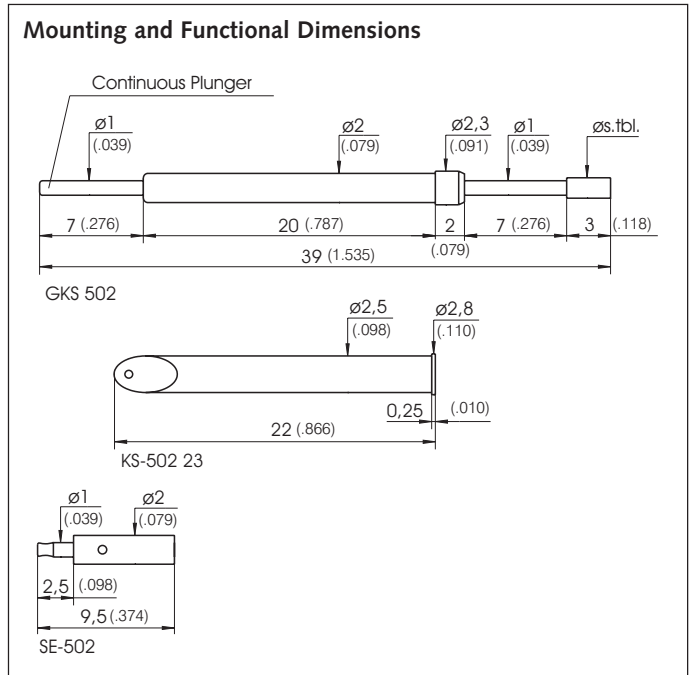
Grid:
 ≥ 2,54 mm
 ≥ 100 Mil

GKS 502

Available Tip Styles					
Material	Tip Style	Standard Plating	Special Versions		
			Ø	Ø(inch)	
3	02 	A	Ø 1,40 (.055)		
3	03 	A	Ø 1,80 (.071)		
3	04 	A	Ø 1,40 (.055)		
2	33*** 	R	Ø 2,50 (.098)		
3	53** 	A	Ø 2,50 (.098)		
3	56** 	A	Ø 2,50 (.098)	2,50 R	(.098)

**Tip Length 4 mm (.157)
 ***Tip Length 4 mm (.157) > Special Designation "L"

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



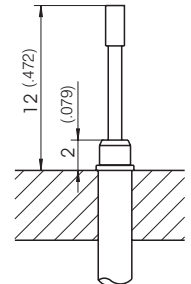
Mechanical Data

Working Stroke: 5,6 mm (.220)
 Maximum Stroke: 7,0 mm (.276)
 Spring Force at Working Stroke: 1,5 N (5.4oz)
 alternative: 0,8 N (2.9oz); 3,5 N (12.5oz); 5,0 N (18.1oz)
 Test Point Size: ≥ Ø 1,2 mm (.047)

Collar Height and Installation Height

The Installation Height of the Tip (Dimension without Receptacle) is defined by the Collar Height.

Collar Height	Tip Style	Installation Height (without KS)
02	04 / 03 / 02	12,0 mm (.472)
02	56 / 53 / 33	13,0 mm (.512)



Electrical Data

Current Rating
 Connection to Plunger: 12-15 A
 Connection to KS: 5-8 A
 R_i typical
 Connection to Plunger: < 10 mΩ
 Connection to KS: < 30 mΩ (* > 100 mΩ)

Operating Temperature

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

Mounting Hole Size

in Material CEM 1 and FR 4
 without Receptacle: Ø 2,00 mm (.0787)
 with Receptacle: Ø 2,48 - 2,49 mm (.0976 - .0980)

Note:
 The Receptacle can be used from Grid 3,50 mm (140 Mil) up.

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

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
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Test Probe: **G K S 5 0 2 3 0 2 1 4 0 A 1 5 0 2**
 Receptacle: **KS - 5 0 2 2 3**
 Plug : **SE - 5 0 2** (for plugging onto the end of the Plunger)

All specifications are subject to change without prior notification