

GKS 100

ICT-/FCT Test Probe

Grid:

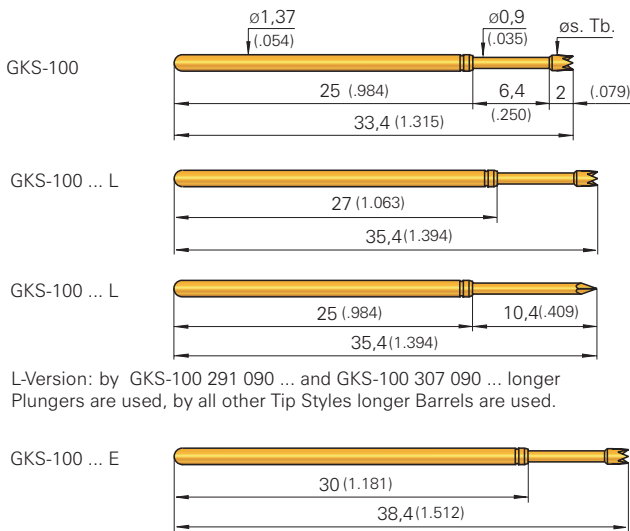
≥ 2,54 mm

≥ 100 Mil

Installation Height: 10,5 - 21,0 mm (.413 - .827)

Recommended Stroke: 4,3 mm (.169)

Mounting and Functional Dimensions



L-Version: by GKS-100 291 090 ... and GKS-100 307 090 ... longer Plungers are used, by all other Tip Styles longer Barrels are used.

Collar Height and Installations Height

To adjust the Installations Height, use Receptacles (KS) either with Collar or with Press-ring (see Usage Examples on Page 29).

	GKS-100	GKS-100 ... L	GKS-100 ... E
KS-100 47 05	10,5 (.413)	12,5 (.492)	15,5 (.610)
KS-100 47 25	13,0 (.512)	15,0 (.591)	18,0 (.709)
KS-100 47 40	14,5 (.571)	16,5 (.650)	19,5 (.768)
KS-100 30 / 47	16,0 (.630)	18,0 (.709)	21,0 (.827)
KS-100 30 / 47 G	16,0 (.630) / var.	18,0 (.709) / var.	21,0 (.827) / var.

Mechanical Data

Working Stroke: 4,3 mm (.169)
Maximum Stroke: 6,35 mm (.250)
Spring Force at Work. Stroke: 2,0 N (7.2oz)
alternative: 0,6 N (2.2oz); 1,0 N (3.6oz);
 1,5 N (5.4oz); 2,25 N (8.1oz);
 3,0 N (10.8oz), 4,0 N (14,4oz)

Electrical Data

Current Rating: 5 - 8 A
R_i typical: < 20 mΩ (**> 100 mΩ)

Operating Temperature

Standard: -40° up to +80° C
*****with Special Designation "C":** -100° up to +200° C (2,0 N; 3,0 N)
 C-Versions only available for GKS-100 with total length 33,4 mm (1.315).

Materials

Plunger: BeCu or Steel, gold-plated
Barrel: Nickel-Silver or Bronze, gold-plated
Spring: Steel, gold-plated or stainless steel*** (C)
Receptacle: Nickel-silver or Brass, gold-plated

Mounting Hole Size

For KS-100...G when pressing the Press-ring into the Mounting Hole in Material:
CEM 1 and FR 4: \varnothing 1,70 - 1,75 mm (.0669 - 0689)

For KS-100 with Collar or Press-ring as a collar-stop:
CEM 1: \varnothing 1,68 - 1,69 mm (.0661 - .0665)
FR 4: \varnothing 1,69 - 1,70 mm (.0665 - .0669)

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			\varnothing	\varnothing (inch)
0 06*		A		
2 01		A		
3 02		A	0,90	(.035)
3 03		A		
2 04**		A		
2 04		A	1,50	(.059)
3 05		A	0,50 0,64 1,30	(.020) (.025) (.051)
3 06		A	1,50 2,00 2,50 3,00	(.059) (.079) (.098) (.118)
3 07		A		
3 07		A	1,70 2,50	(.067) (.098)
2 09		A		
3 13		A		
2 14		A	0,80	(.031)
2 14**		A		
2 3 14		A	1,50	(.059)
2 17		A		
3 19		A		
2 24**		A	1,50	(.059)

* Tip Height: 2,9 mm (114)
 Total Length 0,9 mm (.035) longer than Standard
 ** conical down up to \varnothing 1,2 mm
 **** higher middle tip plus 0,4 mm

Note:
 Receptacles for Wireless Test Fixture see on page 38.

For checking the Stroke of a Test Fixture, we recommend the usage of Stroke Measurement Probes (see page 112).

Tools:
 Insertion and Extraction Tools for GKS and KS see Page 118.