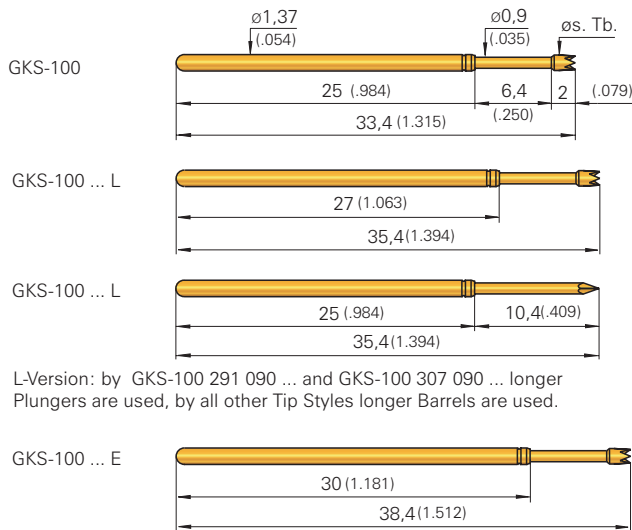


Mounting and Functional Dimensions



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 27).

	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)
Test Point Size: ≥ 0,80 mm (.031)
with Guide Plate: ≥ 0,60 mm (.024)

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: 1,70 - 1,75 mm (.0669 - .0689)

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

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			Ø	Ø (inch)
0 06*		A	Ø 2,25 (.089)	
2 01		A	Ø 0,90 (.035)	
3 02		A	Ø 1,50 (.059)	
3 03		A	Ø 1,50 (.059)	
2 04		A	Ø 1,06 (.042)	
2 04		A	Ø 1,30 (.051)	1,50 (.059)
3 05		A	Ø 0,90 (.035)	0,50 (.020) 0,64 (.025) 1,30 (.051)
3 06		A	Ø 1,30 (.051)	1,50 (.059) 2,00 (.079) 2,50 (.098) 3,00 (.118)
3 07		A	Ø 0,90 (.035)	
3 07		A	Ø 1,50 (.059)	1,70 (.067) 2,50 (.098)
2 09		A	Ø 0,60 (.024)	
3 13		A	Ø 0,90 (.035)	
2 14		A	Ø 0,50 (.020)	0,80 (.031)
2 14		A	Ø 1,06 (.042)	
2 14		A	Ø 1,30 (.051)	1,50 (.059)
2 17		A	Ø 1,70 (.067)	
3 19		A	Ø 1,80 (.071)	
2 24***		A	Ø 1,30 (.051)	1,50 (.059)

* Tip Height: 2,9 mm (.114)
 Total Length 0,9 mm (.035) longer than Standard
 *** higher middle tip plus 0,2 mm

For checking the Stroke of a Test Fixture, we recommend the usage of Stroke Measurement Probes (see page 108).

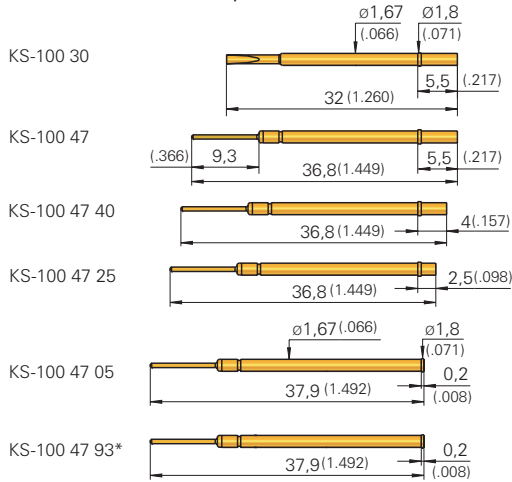
Tools:
 Insertion and Extraction Tools for GKS and KS see Page 112.

Grid:
 $\geq 2,54 \text{ mm}$
 $\geq 100 \text{ Mil}$
Installation Height: 10,5 - 21,0 mm (.413 - .827)
Recommended Stroke: 4,3 mm (.169)

Mounting and Functional Dimensions

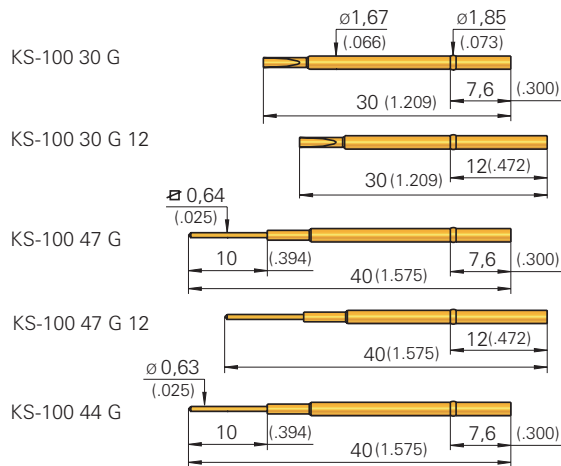
Receptacles with Collar

(Versions with Wire-Wrap Posts are vacuum-sealed)

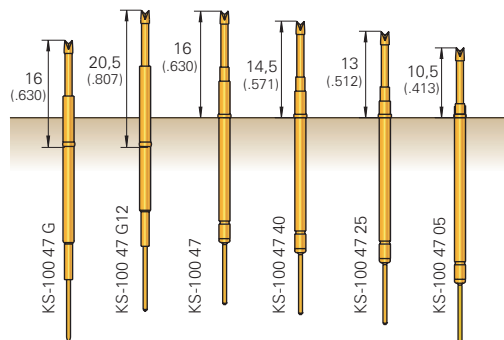


* for usage with Tip Style 93

Receptacles with Press-ring



Example with GKS-100 (Total Length GKS = 33,4 (1.315))



Note to GKS-100 with Tip Style 93:

- Installation Height with KS-100 30/47: 21,0 mm (.827)
- Installation Height with KS-100 47 93: 16,0 mm (.630)

It is recommended to use Tip Style "93" in combination with the Test Probe series "GKS-100 ... E"

Note:

Receptacles with square-post length 13 mm (.512) and 18 mm (.709) are ordered with the Designation "-13" resp. "-18"
 Example: KS-100 47 G 12-13 (-18)
 KS-100 47-13 (-18)

Available Tip Styles

Material		Tip Style	Plating	Further Versions	
				Ø	Ø (inch)
2	25		A	1,50	(.059)
2	31		A		
2	33		A		
2	38		A		
3	55		A		
2	77		A		
2	88		A		
2	89		A		
2	91		A		
2	91		A		
2	93*		A		
2	97		A		
2	98		A		

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation
	2 = Steel 3 = BeCu			A = Gold			
Test Probe with total Length 33,4 mm (1.315):	G K S	1 0 0	3 0 7	1 5 0	A	3 0	0 0
Test Probe with total Length 35,4 mm (1.394):	G K S	1 0 0	2 9 1	0 9 0	A	2 0	0 0
Test Probe with total Length 38,4 mm (1.512):	G K S	1 0 0	3 0 6	1 3 0	A	1 5	0 0
Receptacles:	K S - 1 0 0 3 0 G	K S - 1 0 0 4 7 G					