

GKS 075

ICT-/FCT Test Probe

Grid:

≥ 1,91 mm

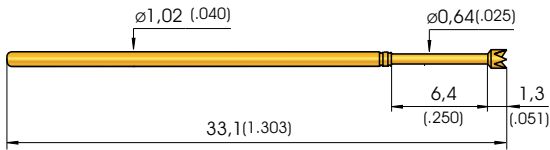
≥ 75 Mil

Installation Height: 10,5/13,0/16,0 mm (.413/ .512/ .630)

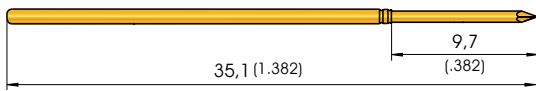
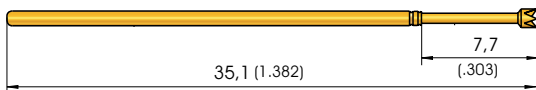
Recommended Stroke: 4,3 mm (.169)

Mounting and Functional Dimensions

GKS-075



GKS-075 L



L-Version: by GKS-075 291 064 ... longer Plungers are used, by all other Tip Styles longer Barrels are used.

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); 2,8 N (10.1oz)

Operating Temperature

Standard: -40° up to +80° C

****with Special Designation "C":** -100° up to +200°C (2,0 N; 2,8 N)

C-Versions only available for GKS-075 with total length 33,1 mm (1.303).

Materials

Plunger: BeCu or Steel, gold-plated

Barrel: Nickel-Silver or Bronze, gold-plated

Spring: Steel, gold-plated or Stainless Steel** (C)

Elektrical Data

Current Rating: 3 - 4 A

R_j typical: < 20 mΩ (** < 100 mΩ)

Note:

Screw-in version see on page 128.

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
0 06*		A		
2 01		A		
3 02		A		
3 03		A		
2 04		A		
3 05		A		
3 05		A		
3 06		A	1,20	(.047)
2 07		A		
NEW 2 07		A	1,20	(.047)
2 09		A		
3 13		A		
2 14		A		
2 14		A		
NEW 2 14		A	1,00	(.039)
2 17		A		

* Tip Height; 2,8 mm (.110)
Total Length 1,5 mm (.059) longer than Standard

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.

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation ("C", "L", "LC")
	0 = Delrin 2 = Steel 3 = BeCu			A = Gold			

Test Probe with total Length 33,1 mm (1.303):

G K S 0 7 5 2 9 1 0 6 4 A 2 0 0 0

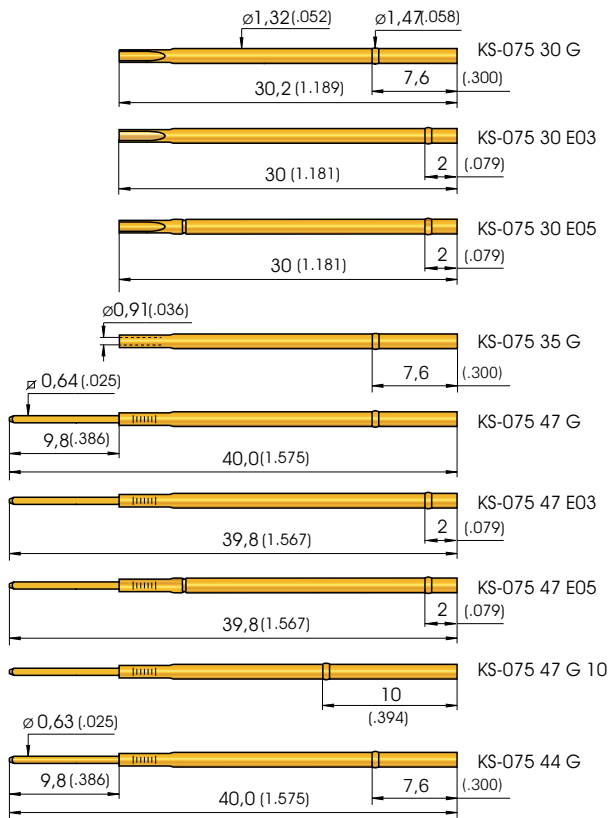
Test Probe with total Length 35,1 mm (1.382):

G K S 0 7 5 2 9 1 0 6 4 A 1 5 0 0 L

Grid:
 ≥ 1,91 mm
 ≥ 75 Mil

Installation Height: 10,5/13,0/16,0 mm (.413/ .512/ .630)
Recommended Stroke: 4,3 mm (.169)

Mounting and Functional Dimensions



Collar Height and Installation Height

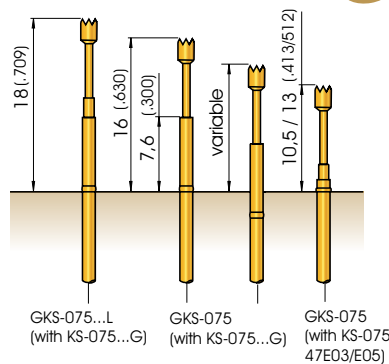
To adjust the Installation Height, Receptacles with a Press-ring are used. The Receptacles can be inserted up to the Press-ring (i.e. acting as a collar-stop) or with the Press-ring being pressed into the mounting hole. (See „Mounting hole size“ and Application example“ on this page).

Designation	GKS-075	GKS-075 ... L
KS-075 ... E03	10,5 (.413)	12,5 (.492)
KS-075 ... E05	13,0 (.512)	15,0 (.591)
KS-075 ... G	16,0 (.630)	18,0 (.709)

Mounting Hole Size

by usage of Press-ring: $\varnothing 1,36 - 1,40$ mm
 (.0535 - .0551)

by usage with Press-ring as collar: $\varnothing 1,31 - 1,32$ mm
 (.0516 - .0520)



Note:
 Receptacles for Wireless Test Fixture see page 38.

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			\varnothing	\varnothing (inch)
3	19	A	1,50	(.069)
2	24 ***	A		
2	25	A	1,30	(.051)
2	31	A		
2	38	A		
3	55	A		
2	77	A		
2	88	A		
2	89	A		
2	91	A		
2	97	A		
2	97	A		
2	98	A		

Additional dimensions for tip style 55: $\varnothing 1,2$, $\varnothing 1$, 3,7, 2,54, $\varnothing 0,50$. Total Length plus 2,4 mm.

*** higher middle tip plus 0,2 mm

Ordering Example

Receptacles with Wire-Wrap Posts:

KS-075 47 E03 KS-075 47 E05 KS-075 47 G

Receptacles:

KS-075 30 G KS-075 35 G

Receptacles with Round Post:

KS-075 44 G