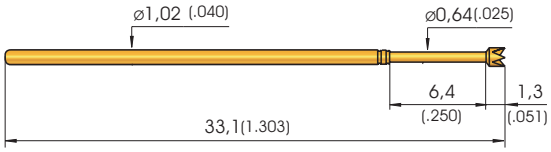
GKS 075

ICT-/FCT Test Probe

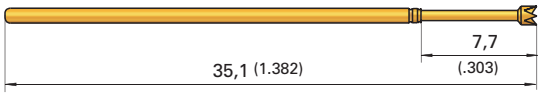
Grid:
≥ 1,91 mm
≥ 75 Mil
Installation height with KS: 10,5 - 23,0 mm (.413 / .906)
Recommended stroke: 4,3 mm (.169)

Mounting and functional dimensions

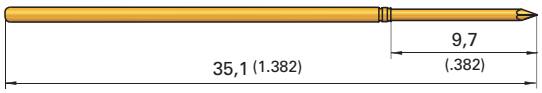
GKS-075



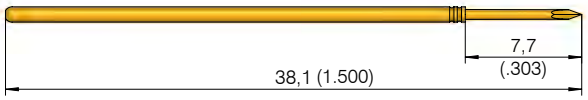
GKS-075 ... LH
(Long version with longer barrel.)



GKS-075 ... LP
(Long version with longer plunger. See "available tip styles".)



GKS-075 ... E



Available tip styles

Material		Tip style	Plating	Further versions ∅	Further versions ∅ (inch)
0	06*	ø0,8 / 0,8 / ∅ 1,30 (.051)	A		
2	01	∅ 0,64 (.025)	A		
3	02	∅ 0,90 (.035)	A		
3	03	∅ 1,20 (.047)	A		
2	04	∅ 1,15 (.045)	A		
3	05	3 / ∅ 0,50 (.020)	A		
3	05	∅ 0,64 (.025)	A		
3	06	∅ 1,00 (.039)	A	1,20	(.047)
2	07	∅ 0,64 (.025)	A		
2	07	∅ 1,00 (.039)	A	1,20	(.047)
2	09	∅ 0,64 (.025)	A		
3	13	∅ 0,61 (.024)	A		
2	14	∅ 0,50 (.020)	A		
2	14	∅ 0,64 (.025)	A		
2	14	ø1 / ø0,8 / ∅ 0,80 (.031)	A	1,00	(.039)
2	17	∅ 1,20 (.047)	A		

* tip height; 2,8 mm (.110)
total length 1,5 mm (.059) longer than standard

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 (only for GKS-075/075 L):
0,6 N (2.2oz); 1,0 N (3.6oz);
1,5 N (5.4oz); 2,8 N (10.1oz)

Materials

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

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).

Elektrical Data

Current rating: 3 - 4 A
R_i typical: < 20 mΩ (** < 100 mΩ)

INGUN recommend using stroke measurement probes (shown on page 192) to check the working stroke of a test fixture.

Note:
Screw-in versions shown on page 122.

Ordering example

Series	Tip material 0 = Delrin 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Special designation ("C"; "LH"; "LP"; "E")
GKS	075	2	91	064	A	20	00	
GKS	075	2	91	064	A	15	00	LP
GKS	075	2	91	064	A	20	00	E

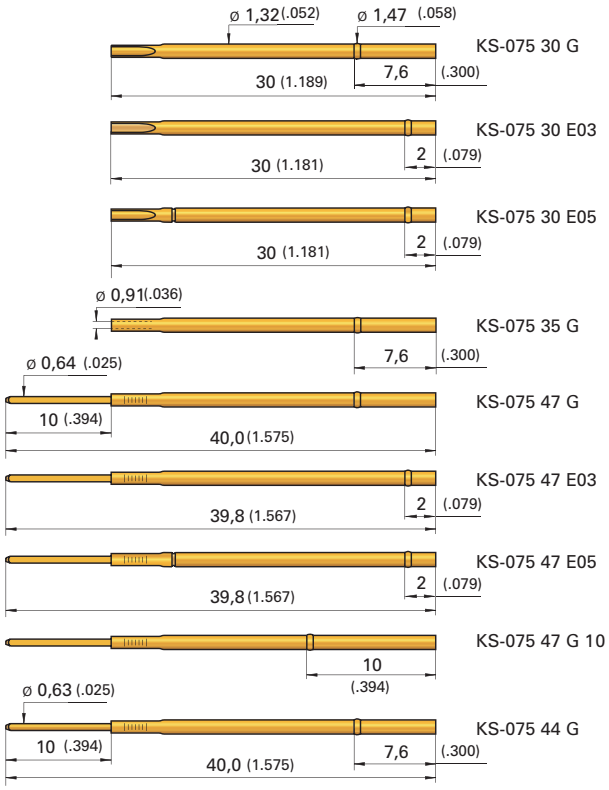
Test probe with total length 33,1 mm (1.303):
Test probe with total length 35,1 mm (1.382):
Test probe with total length 38,1 mm (1.500):

GKS 075

ICT-/FCT Test Probe

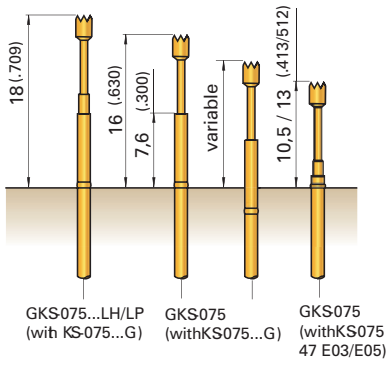
Grid:
≥ 1,91 mm
≥ 75 Mil
Installation height with KS: 10,5 - 23,0 mm (.413 - .906) / variable
Recommended stroke: 4,3 mm (.169)

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 ... LH/LP	GKS-075 ... E
KS-075 ... E03	10,5 mm (.413) / var.	12,5 mm (.492) / var.	15,5 mm (.610)
KS-075 ... E05	13,0 mm (.512) / var.	15,0 mm (.591) / var.	18,0 mm (.709)
KS-075 ... G	16,0 mm (.630) / var.	18,0 mm (.709) / var.	21,0 mm (.827)
KS-075 ... G 10	18,0 mm (.709) / var.	20,0 mm (.787) / var.	23,0 mm (.906)

Mounting hole size

Press-ring pressed in mounting hole:
⌀1,39-1,40 mm (.0547-.0551)
Pressring as collar-stop:
in CEM1: ⌀ 1,30-1,32 mm (.0512-.0520)
in FR4: ⌀ 1,31-1,33 mm (.0516-.0524)

Materials

Receptacle: Nickel-silver, gold-plated

Available tip styles

Material	Tip style		Plating	Further versions ⌀	Further versions ⌀ (inch)
3	19	⌀ 1,20 (.047)	A	1,50	(.069)
2	24 ***	⌀ 1,30 (.051)	A		
2	25	⌀ 1,20 (.047)	A	1,30	(.051)
2	31	⌀ 0,64 (.025)	A		
2	38	⌀ 0,64 (.025)	A		
3	55	ø1,2 ø1 3,7 2,6 Total length plus 2,4 mm ⌀ 0,50 (.020)	A		
2	77	⌀ 0,64 (.025)	A		
2	88	⌀ 1,20 (.047)	A		
2	89	ø1,15 ⌀ 0,50 (.020)	A		
2	91	⌀ 0,64 (.025)	A		
2	97	⌀ 0,64 (.025)	A		
2	97	⌀ 0,80 (.031)	A		
2	98	⌀ 0,64 (.025)	A		

*** higher middle tip plus 0,2 mm

Available tip styles
special version GKS-075...LP

Material	Tip style		Plating	Further versions ⌀	Further versions ⌀ (inch)
2	91	⌀ 0,64 (.025)	A		

Note:
Receptacles for wireless test fixtures shown on page 33.

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