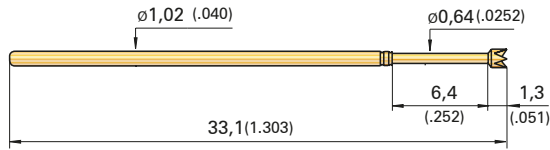


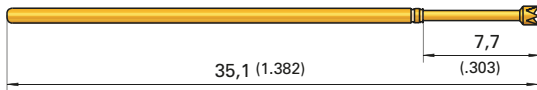
Mounting and functional dimensions

GKS-075



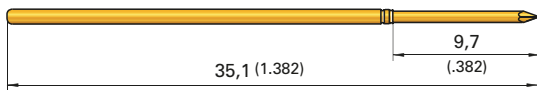
GKS-075 ... LH

(Long version with longer barrel.)

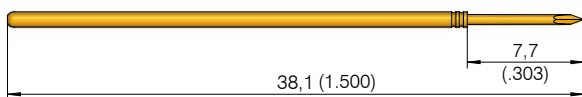


GKS-075 ... LP

(Long version with longer plunger. See "available tip styles".)



GKS-075 ... E



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 LH/

LPv):

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)

Electrical Data

Current rating: 3 - 4 A

R_i typical: < 20 mΩ (** < 100 mΩ)

Available tip styles

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

* tip height; 2,8 mm (.110)

total length 1,5 mm (.059) longer than standard

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")
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	LP
Test probe with total length 38,1 mm (1.500):	G K S	0 7 5	2 9 1	0 6 4	A	2 0	0 0	E

Grid:

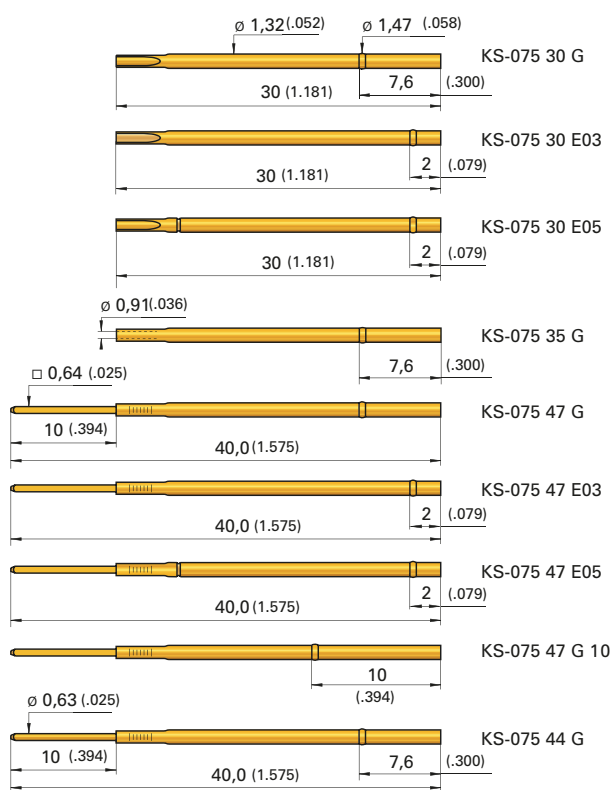
 $\geq 1,91 \text{ mm}$

≥ 75 Mil

Installation height with KS: 10,5 - 23,0 mm (.413 - .906) / variable

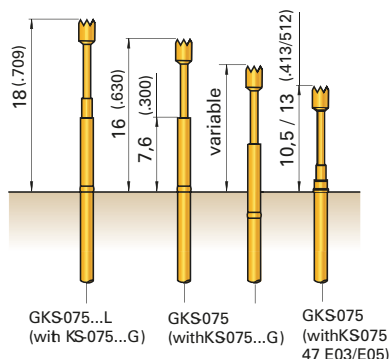
Recommended stroke: 4,3 mm (.169)

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:

Ø1,39-1,40 mm (.0547-.0551)

Pressring as collar-stop:

in CEM1: $\varnothing 1,30-1,32$ mm (.0512-.0520)

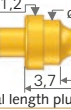
in FR4: $\varnothing 1.31\text{-}1.33 \text{ mm } (.0516\text{-.}0524)$

Materials

Receptacle:

Nickel-silver, gold-plated

Available tip styles

Material		Tip style		Plating	Further versions	
					∅	∅ (inch)
3	19		∅ 1,20 (.047)	A	1,50	(.059)
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	 Total length plus 2,4 mm	∅ 0,50 (.020)	A		
2	77		∅ 0,64 (.025)	A		
2	88		∅ 1,20 (.047)	A		
2	89		∅ 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	
					Ø	Ø (inch)
2	91			Ø 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-07530G

KS-07535 G

Receptacles with round post:

KS - 075 44 G