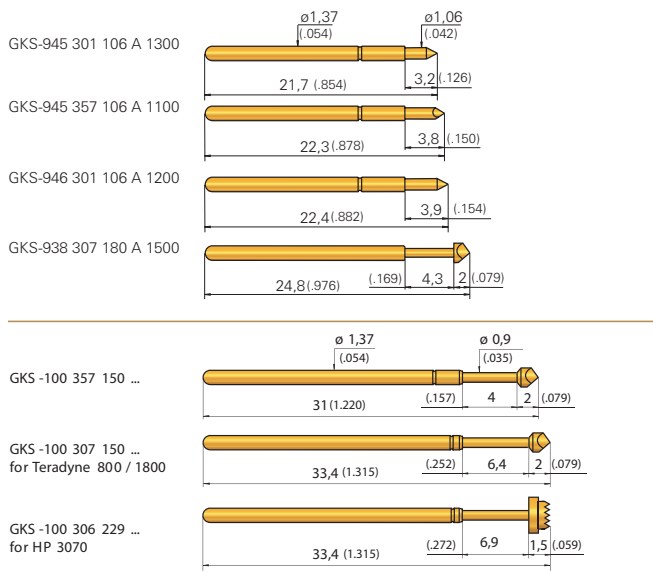


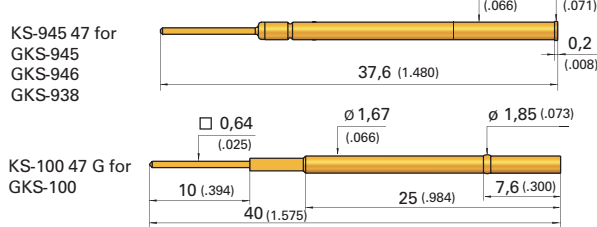
# Test Probes for Interfaces

from INGUN, GenRad, Pylon, R & S, Teststation, Teradyne and Keysight (Agilent/HP 3070)

## Mounting and functional dimensions



### Receptacles



### Mechanical data

Type	Working stroke mm (inches)	Max. stroke mm (inches)	Spring force at working stroke N (oz)	Installation height with KS mm (inches)
945 301	2,1 (.083)	3,2 (.126)	1,3 N (4.7oz)	3,7 (.146) *
945 357	2,6 (.102)	3,2 (.126)	1,1 N (4.0oz)	4,3 (.169) *
946 301	3,2 (.126)	3,9 (.154)	1,2 N (4.3oz)	4,4 (.173) *
938 307	3,6 (.142)	4,3 (.169)	1,5 N (5.4oz)	6,8 (.268) *
100 357	3,0 (.118)	4,0 (.157)	1,2 (Ord.-No.=10)	13,6 (.535) / variable **
100 ...	4,3 (.169)	6,35 (.250)	1,0/2,0/2,25/3,0	16,0 (.630) / variable **

\*with KS-945 47    \*\* with KS-100 47 G

### Mounting hole size \*\*\*

**for KS-945 47:**  
- in CEM1 using collar  $\phi 1,68 - 1,69$  mm (.0661 - .0665)

**for KS-100 47 G:**  
- press ring inserted  
in CEM1:  $\phi 1,71 - 1,73$  mm (.0673 - .0681)  
in FR4:  $\phi 1,70 - 1,72$  mm (.0669 - .0677)

### Electrical data

**Current rating:** 4 - 5 A  
**R<sub>i</sub> typical:** 20 m $\Omega$

### Materials

**Plunger:** BeCu, gold-plated  
**Barrel:** Nickel-silver or Bronze, gold-plated  
**Spring:** Steel, gold-plated

### Collar height and installation height

The installation height is variable, depending on position of the press ring.

### Operating temperature

**Standard:** -40° up to +80 °C

## Ordering example

	Series	Tip material 3 =BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Special designation ("B", see Note)
Test probe:	G K S	3	9 4 5	3 0 1	A	1 3	0 0	
Receptacle for GKS 945 / 946 / 938:	K S -		9 4 5	4 7				
Receptacle for GKS-100:	K S -		1 0 0	4 7 G				

GKS-945 / 946 for GenRad/Pylon Augat/R&S-Interfaces				
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3	01	A	$\phi 1,06$ (.042)	
3	57*	A	$\phi 1,06$ (.042)	

\* Available only for GKS-945

GKS-938				
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3	07	A	$\phi 1,80$ (.071)	

GKS-100				
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3	57	A	$\phi 1,50$ (.059)	

GKS-100 for Teradyne 800/1800 Interface				
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3	07	A	$\phi 1,50$ (.059)	

GKS-100 for Agilent/HP 3070 Interface				
Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
3	06	A	$\phi 2,29$ (.090)	

### \*\*\* Services:

Customised contact blocks drilled according to customer demands (and which match certain INGUN receptacles) are available from INGUN.

### Note:

To order test probes with bent barrel end, use special designation "B" (banana-shaped). Contacting terminals for various interfaces available upon request.