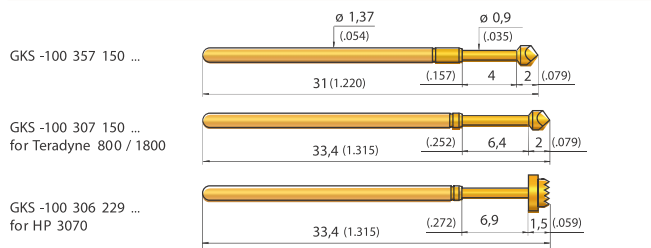
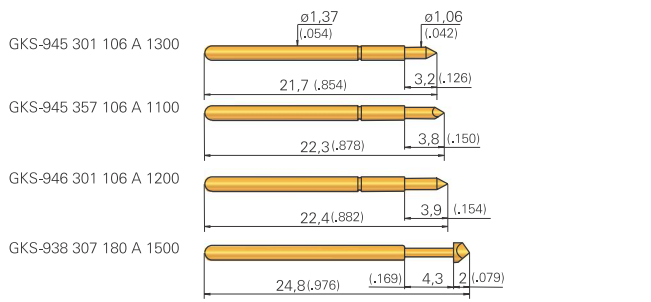


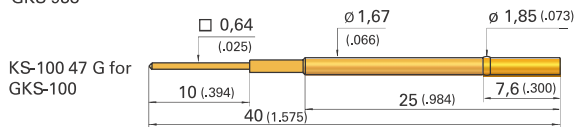
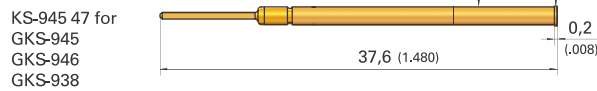
Test Probes for Interfaces

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_i typical: 20 m Ω

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	9 4 5	3 0 1	1 0 6	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	
			ϕ	ϕ (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	
			ϕ	ϕ (inch)
3	07	A	$\phi 1,80$ (.071)	

GKS-100

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

GKS-100

for Teradyne 800/1800 Interface

Material	Tip style	Plating	Further versions	
			ϕ	ϕ (inch)
3	07	A	$\phi 1,50$ (.059)	

GKS-100

for Agilent/HP 3070 Interface

Material	Tip style	Plating	Further versions	
			ϕ	ϕ (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.