

# KS WL / GKS-550

Wireless Receptacles

## Grid:

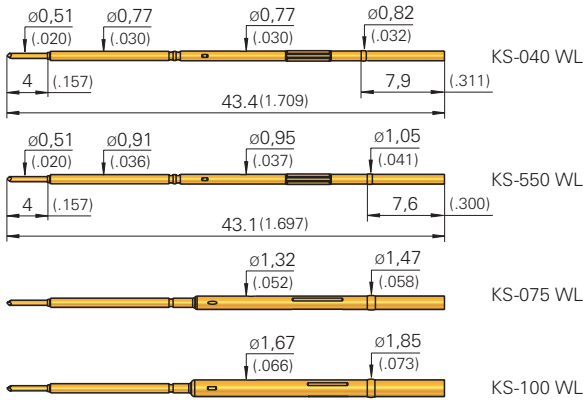
≥ 1.00 / 1,27 / 1,91 / 2,54 mm

≥ 40 / 50 / 75 / 100 Mil

Installation Height: 16,0 mm (.630) / variable


Recommended Stroke: 2,5 mm (.098)

## Mounting and Functional Dimensions



## Available Tip Styles

Plunger in Receptacle

Material	Tip Style	Plating	Further Versions	
			$\varnothing$	$\varnothing$ (inch)
u 07		$\varnothing 0,51$ (.020)	A	

## GKS-550

With KS-550 WL the Probe Series GKS-550 is used.

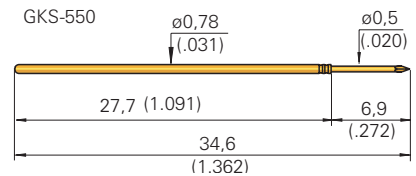
Available Tip Styles and Materials: see GKS-050 on page 25

## Mechanical Data GKS-550

**Working Stroke:** 4,3 mm (.169)

**Maximum Stroke:** 6,35 mm (.250)

**Spring Force at Work. Stroke:** 1,5 N (5.4oz)  
**alternative:** 1,0 N (3.6oz)



## 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.

## Mechanical Data

**Working Stroke:** 2,5 mm (.098)

**Maximum Stroke:** 4,0 mm (.157)

**Spring Force at Work. Stroke:** 1,0 N (3.6oz)

**Pre-load:** 0,6 N (2.2oz)

**Pre-load KS-040 WL:** 0,5 N (1.8oz)

**Recommended Guide Plate Hole:**

KS-040:  $\varnothing 0,81-0,85$  mm (.032 - .033)

KS-050, 075, 100:

$\varnothing 0,96-0,99$  mm (.036 - .039)

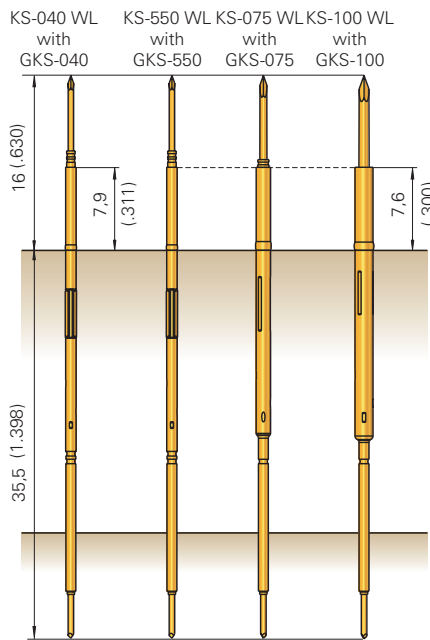
## Electrical Data

**Current Rating:** 2 - 3 A

**R<sub>j</sub> typical:** < 20 m $\Omega$

## Operating Temperature

**Standard:** -40° up to +80° C



## Materials

**Plunger:** BeCu, gold-plated

**Ball:** Steel, gold-plated

**Spring:** Steel, gold-plated

**Receptacle:** Nickel-silver, gold-plated

## Tools:

Insertion and Extraction Tools for GKS and KS see Page 118.

## Mounting Hole Sizes

### KS-040 WL

by usage of Press-ring or by usage of Press-ring as a collar:

**in CEM 1:**  $\varnothing 0,79-0,80$  mm (.0311-.0315)

**in FR 4:**  $\varnothing 0,79-0,80$  mm (.0311-.0315)

### KS-550 WL

by usage of Press-ring or by usage of Press-ring as a collar:

**in CEM 1:**  $\varnothing 0,96-0,98$  mm (.0378 - .0386)

**in FR 4:**  $\varnothing 0,97-0,99$  mm (.0382 - .0390)

### KS-075 WL

by usage of Press-ring in:

**CEM1/FR4:**  $\varnothing 1,36-1,40$  mm (.0535-.0551)

by usage of Press-ring as a collar in:

**CEM1/FR4:**  $\varnothing 1,31-1,32$  mm (.0516-.0520)

### KS-100 WL

by usage of Press-ring in:

**CEM1/FR4:**  $\varnothing 1,70-1,75$  mm (.0669-.0689)

by usage of Press-ring as a collar:

**in CEM 1:**  $\varnothing 1,68-1,69$  mm (.0661-.0665)

**in FR 4:**  $\varnothing 1,69-1,70$  mm (.0665-.0669)

## Ordering Example

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)
Test Probe for KS 550 WL:	G K S	5 5 0	2 9 1	0 5 0	A	1 5 0 0
Receptacle for Grid 1,00 mm (40 Mil):	K S - 0 4 0 W L Test Probes see GKS-040 Page 24					
Receptacle for Grid 1,27 mm (50 Mil):	K S - 5 5 0 W L Test Probes see GKS-550 above					
Receptacle for Grid 1,91 mm (75 Mil):	K S - 0 7 5 W L Test Probes see GKS-075 Page 26/27					
Receptacle for Grid 2,54 mm (100 Mil):	K S - 1 0 0 W L Test Probes see GKS-100 Page 28/29					