

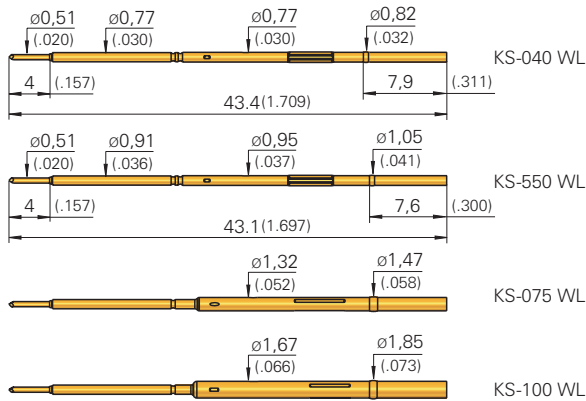
**Grid:**

≥ 1.00 / 1,27 / 1,91 / 2,54 mm  
≥ 40 / 50 / 75 / 100 Mil

**Installation height with KS:** 16,0 mm (.630) / variable  
**Recommended stroke:** 2,5 mm (.098)

## Mounting and functional dimensions

### Wireless receptacles

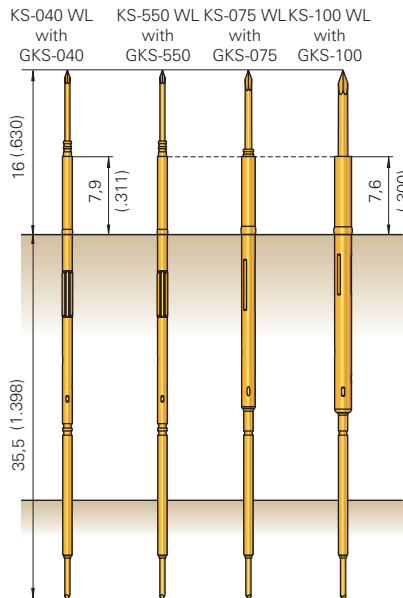


### Available tip styles plunger in receptacle

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
3	07	A		

### 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.



### Mounting hole Sizes

#### KS-040 WL

with use of press ring or with use of press ring as a collar:

**in CEM1:**  $\varnothing 0,79-0,80$  mm (.0311-.0315)

**in FR4:**  $\varnothing 0,79-0,80$  mm (.0311-.0315)

#### KS-550 WL

with use of press ring or with use of press ring as a collar:

**in CEM1:**  $\varnothing 0,96-0,98$  mm (.0378 - .0386)

**in FR4:**  $\varnothing 0,97-0,99$  mm (.0382 - .0390)

#### KS-075 WL

with use of press ring in:

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

with use of press ring as a collar in:

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

#### KS-100 WL

with use of press ring in:

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

with use of press ring as a collar:

**in CEM1:**  $\varnothing 1,68-1,69$  mm (.0661-.0665)

**in FR4:**  $\varnothing 1,69-1,70$  mm (.0665-.0669)

### 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 at KS-040 WL:** 0,5 N (1,8oz)

**Recomm. guiding pin hole:**

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

KS-050 / 075 / 100:  $\varnothing 0,96-0,99$  mm (.038-.039)

### Materials

**Plunger:** BeCu, gold-plated

**Ball:** Steel, gold-plated

**Spring:** Steel, gold-plated

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

### Operating temperature

**Standard:** -40° up to +80° C

### Electrical data

**Current rating:** 2 - 3 A

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

## 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)
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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 page 34

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