

Grid:

≥ 1,27 mm

≥ 50 Mil

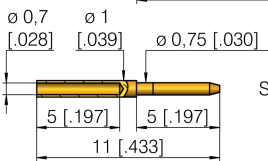
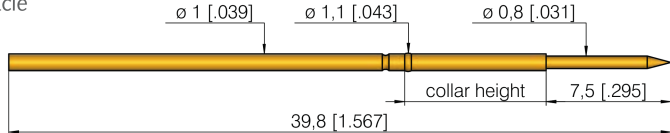
Installation height: 10,5/13,0/16,0 mm (.413/ .512/ .630)

Recommended stroke: 5,5 mm (.217)

Mounting and functional dimensions

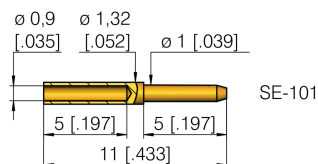
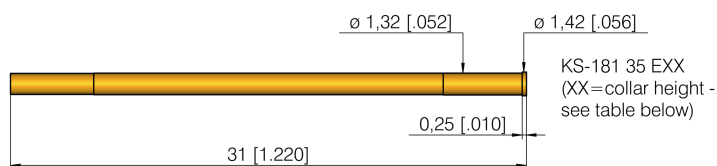
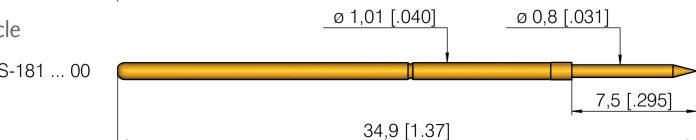
without receptacle

GKS-181 ... XX
(XX=collar height - see table below)



with receptacle

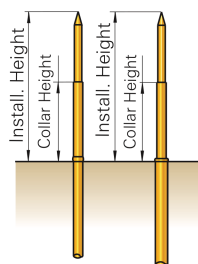
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Collar height and installation height

To adjust the installation height, test probes and receptacles with various collar heights are available.

Collar height	Installation height
03	10,5 mm (.413)
05	13,0 mm (.512)
08	16,0 mm (.630)



without KS with KS

Mechanical data

Working stroke: 5,5 mm (.217)
Maximum stroke: 7,5 mm (.295)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 0,8 N (2.9oz)

Electrical data

Current rating: 2 - 3 A
R_i typical: < 20 mΩ

Operating temperature

Standard: -40° up to +80° C

Materials

Plunger: BeCu or steel, gold-plated or chemically nickel-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated
Receptacle: Brass, gold-plated

Mounting hole size

with receptacle: ∅ 1,31 - 1,32 mm (.0516 - .0520)
without receptacle: ∅ 1,00 mm (.0394)

Note:

The receptacle can be used from grid size 1,91 mm (75 Mil) upwards.

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
3 05		A		
3 51		A		
3 54		A		
2 91		N		

Ordering example

Series Tip material Tip style Tip diameter (1/100 mm) Plating Spring force (dN) Collar height (mm)

2 = Steel 3 = BeCu A = Gold N = Nickel

Test probe for use **without** receptacle:

G K S 1 8 1 3 5 1 0 8 0 A 1 5 0 3

Test probe for use **with** receptacle:

G K S 1 8 1 3 5 1 0 8 0 A 1 5 0 0

Receptacles:

K S - 1 8 1 3 5 E 03 K S - 1 8 1 3 5 E 05 K S - 1 8 1 3 5 E 08

Plug for Direct Connection on to GKS:

S E - 1 1 1

Plug for receptacle:

S E - 1 0 1