

Grid:

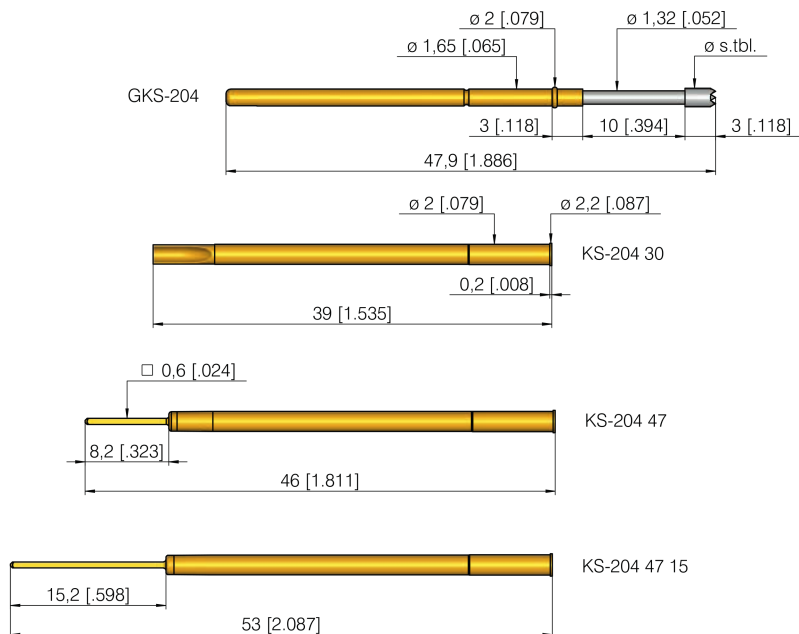
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 16,2/18,2/23,2 mm (.638/ .717/ .913)

Recommended stroke: 8,0 mm (.315)

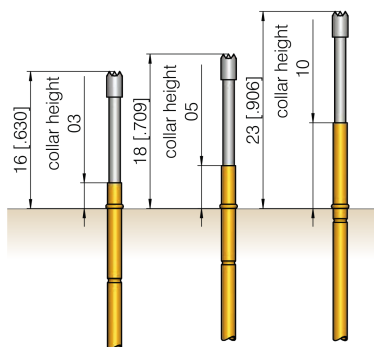
Mounting and functional dimensions



Collar height and installation height

Test probes with alternative collar heights are available to adjust the installation height of the tip (dimension without receptacle).

Collar height	Total length	Installation height without receptacle
03	47,9 mm	16,0 mm (.630)
05	47,9 mm	18,0 mm (.709)
10	47,9 mm	23,0 mm (.906)



Mechanical data

Working stroke: 8,0 mm (.315)

Maximum stroke: 10,0 mm (.394)

Spring force at work. stroke: 1,5 N (5.4oz)

Alternative: 0,8 N (2.9oz); 3,0 N (10.8oz)

Electrical data

Current rating: 5 - 8 A

R_i typical: < 20 mΩ

Operating temperature

Standard: -40° up to +80° C

Materials

Plunger: BeCu or steel, gold-plated, rhodium- or chemically nickel-plated

Barrel: Nickel-silver or brass, gold-plated

Spring: Steel, gold-plated

Receptacle: Brass, gold-plated

Mounting hole size

in CEM1: $\varnothing 1,98 - 2,00$ mm (.078 - .079)

FR4: $\varnothing 1,99 - 2,01$ mm (.078 - .079)

		Available tip styles		Further versions	
		Tip style	Plating	\varnothing	\varnothing (inch)
2	01		R	$\varnothing 1,30$ (.051)	
3	02		A	$\varnothing 1,80$ (.071)	
3	03		A	$\varnothing 1,80$ (.071)	
2	04		A	$\varnothing 1,30$ (.051)	
3	05		A	$\varnothing 1,30$ (.051)	
2	06		R	$\varnothing 1,80$ (.071)	
2	07		A	$\varnothing 1,30$ (.051)	
2	09*		N	$\varnothing 0,70$ (.028)	0,70 G (.028)
2	14		A	$\varnothing 1,30$ (.051)	
2	15*		A	$\varnothing 1,80$ (.071)	
2	24		R	$\varnothing 2,00$ (.079)	
2	91		N	$\varnothing 1,30$ (.051)	1,30 (.051)
2	93		A	$\varnothing 1,60$ (.063)	

* pressed-in steel tip in base plunger made of brass

Note:

Screw-in version shown on page 126.

Ordering example

Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold R = Rhodium N = Nickel	Spring force (dN)	Collar height (mm)
G K S	2	04	2	04	130	A 15 03
Test probe:		G K S 2 0 4 2 0 4 1 3 0 A 1 5 0 3				
Receptacles:		K S - 2 0 4 4 7 K S - 2 0 4 4 7 1 5 K S - 2 0 4 3 0				