

GKS 412

Long-stroke Test Probe for Dual-stage Fixture

Grid:

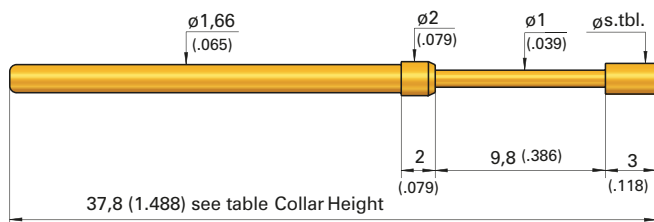
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 15,0 - 30,8 mm (.591 - 1.213) / variable

Recommended stroke: 8,0 mm (.315)

Mounting and functional dimensions

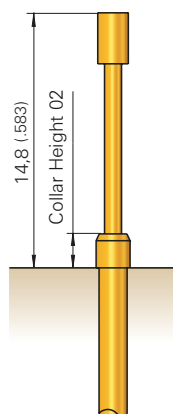


Collar height and installation height

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 KS
02	37,8 mm (1.488)	14,8 mm (.583)
03	37,8 mm (1.488)	15,8 mm (.622)
05	40,2 mm (1.583)	17,8 mm (.701)
07	41,8 mm (1.646)	19,8 mm (.780)
10	44,8 mm (1.764)	22,8 mm (.898)

(* Tip style 00x: install. height is 0,8 mm (.315) higher)



Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
2	01	R	Ø 1,00 (.039)	
3	03	A	Ø 1,80 (.071)	2,00 A (.079)
0	03*	A	Ø 1,80 (.071) 0,8 Ø 2,30 (.091)	
2	04	R	Ø 1,30 (.051)	
2	06	R	Ø 1,30 (.051)	2,00 R (.079)
3	07	R	Ø 1,30 (.051)	
2	09**	N	Ø 0,70 (.028)	
2	14	A	Ø 1,30 (.051)	
2	17	A	Ø 2,00 (.079)	
2	24	R	Ø 2,00 (.079)	
2	25	R	Ø 1,50 (.059)	
2	88	A	Ø 1,80 (.071)	
2	91	A	Ø 1,30 (.051)	

* 0,8mm (.315) longer than standard

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

Mechanical data

Working stroke: 8,0 mm (.315)

Maximum stroke: 9,8 mm (.386)

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

Alternative: 0,6 N (2.2oz); 3,0 N (10.8oz); 5,0 N (18.1oz)

Materials

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

Barrel: Brass or Nickel-silver, gold-plated

Spring: Steel, gold-plated

Note:

Receptacles in the KS-112 series (shown on page 60) are used for the GKS-412 test probes series.

Electrical data

Current rating: 5 - 8 A

R_i typical: < 20 mΩ

Operating temperature

Standard: -40° up to +80° C

Ordering example

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