

GKS 412

Long-stroke Test Probe for Dual-stage Fixture

Grid:

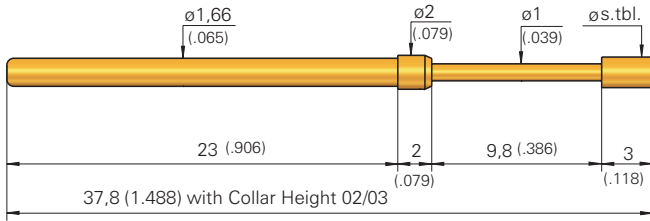
≥ 2,54 mm

≥ 100 Mil

Installation Height: 14,8 - 22,8 mm (.583 - .898)

Recommended Stroke: 8,0 mm (.315)

Mounting and Functional Dimensions

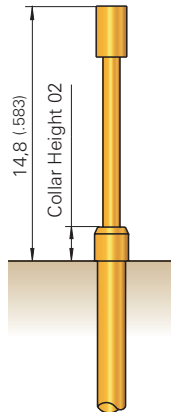


Collar Height and Installation Height

To adjust the Installation Height of the Tip (Dimension without Receptacle), Test Probes with various Collar Heights are available.

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)



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)

Electrical Data

Current Rating: 5 - 8 A
R_i typical: < 20 mΩ

Materials

Plunger: BeCu or Steel, gold-plated, rhodium- or chemically nickel-plated
Barrel: Brass or Nickel-Silver, gold-plated
Spring: Steel, gold-plated

Note:

For Test Probes series GKS-412 Receptacles of the series KS-112 are used (see Page 50).

Tools:

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

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)
	0 = Delrin 2 = Steel 3 = BeCu			A = Gold R = Rhodium N = Nickel		

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

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

** pressed-in Steel Tip in Base Plunger made of Brass