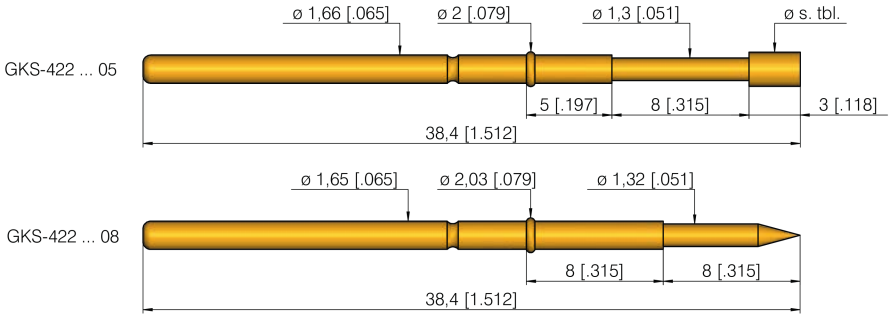
Grid:
≥ 2,54 mm
≥ 100 Mil
Installation height with KS: 16,2 - 24,0 mm (.638 -.945) / variable
Recommended stroke: 6,4 mm (.252)

GKS 422
ICT-/FCT Test Probe

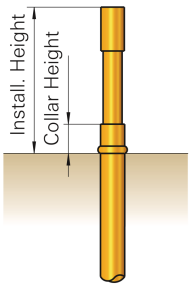
Mounting and functional dimensions



Collar height and installation height

Test probes with tip-∅ > 1.3 mm generally have a collar height of 5 mm (collar height 05).
A collar height of 8 mm (collar height 08) is recommended to provide more stability for test probes with tip-∅ < 1.3 mm.

Collar height	Installation height without receptacle
05	16 mm (.630)
08	16 mm (.630)
(** Tip styles 00x: install. height 16,8 mm (.661))	



Available tip styles

Material		Tip style	Plating	Further versions ∅	Further versions ∅ (inch)
2	01	∅ 1,30 (.051)	A	1,30 R	(.051)
3	02	∅ 2,00 (.079)	A		
2	04	∅ 1,30 (.051)	A		
3	05	∅ 1,30 (.051)	A	0,70	(.028)
0	06 **	ø1,8 ∅ 2,30 (.091) 0,8	A		
3	06	∅ 2,00 (.079)	A	1,30 1,60	(.051) (.063)
3	07	∅ 1,30 (.051)	A		
2	09 ***	∅ 0,80 (.031)	N	0,80 A/G 0,60 A/N	(.031) (.024)
2	14	∅ 1,30 (.051)	A	0,60 2,00	(.024) (.079)
2	17	∅ 1,80 (.071)	A		
2	24 ** **	∅ 1,80 (.071)	A		
2	33	∅ 1,30 (.051)	N	1,30 A	(.051)
2	91	∅ 1,30 (.051)	N	0,80 N 1,30 A/G	(.031) (.051)
2	93	∅ 1,60 (.063)	A		

** also available as tip style 0 02
*** pressed-in steel tip in base plunger made of brass
**** higher middle tip plus 0,5 mm

Metric
Stand. GKS

Mechanical data

Working stroke: 6,4 mm (.252)
Maximum stroke: 8,0 mm (.315)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 0,8 N (2.9oz); 2,25 N (8.1oz); 3,0 N (10.8oz); 5,0 N (18.1oz)

Materials

Plunger: BeCu or steel, gold-plated rhodium- or chemically nickel-plated
Barrel: Bronze, gold-plated
Spring: Steel, gold-plated or stainless steel* (C)

Electrical data

Current rating: 5 - 8 A
R_i typical: < 20 mΩ (* < 100 mΩ)

Operating temperature

Standard: -40° up to +80° C
***with spec. designation"C":** -100° up to +200° C (1,5 N; 3,0 N)

Note:
Receptacles in the KS-112 series (shown on page 60) are used for the GKS-422 test probes series.

Ordering example

Series	Tip material 0 = Delrin 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold G = Aurun N = Nickel R = Rhodium	Spring force (dN)	Collar height 05 for tip-∅ > 1,3 mm 08 recomm. for tip-∅ ≤ 1,3 mm	Special designation ("C")
Test probe: (05 tip-∅ > 1,3 mm)	G K S	4 2 2	3 0 6	2 0 0	A	1 5	0 5	
Test probe: (08 recomm. for tip-∅ ≤ 1,3 mm)	G K S	4 2 2	2 0 1	1 3 0	A	1 5	0 8	
Receptacle:	K S – 1 1 2 4 7							