

GKS 503 M

Test Probe with Continuous Plunger

Grid:

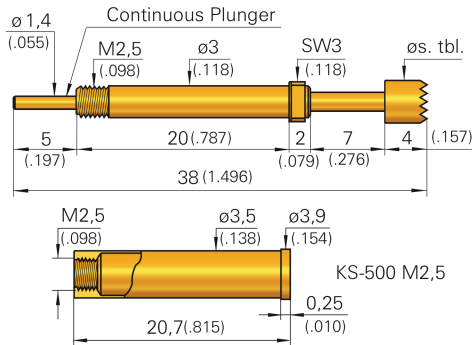
≥ 4,00 mm

≥ 160 Mil

Installation height with KS: 13,2 mm (.520)

Recommended stroke: 5,6 mm (.220)

Mounting and functional dimensions



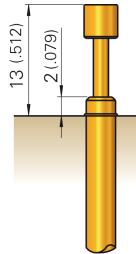
Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2	01	R	∅ 1,80 (.071)	
3	03	A	∅ 4,00 (.157)	
3	04	R	∅ 4,00 (.157)	
2	05	R	∅ 1,80 (.071)	
3	06	R A	∅ 4,00 (.157)	3,00 R (.118)
2	06	R	∅ 1,80 (.071)	

Collar height and installation height

The installation height of the tip is determined by the collar height.

Collar height	Installation height without receptacle
02	13,0 mm (.512)



Mechanical data

Working stroke: 5,6 mm (.220)
Maximum stroke: 7,0 mm (.276)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 3,0 N (10.8oz), 5,0 N (** (18.1oz))

Electrical data

Current rating, conn. to plunger: 12-15 A
Current rating, connection to KS: 5 - 8 A
R_i typical, connection to plunger: < 10 mΩ
R_i typical, connection to KS: < 30 mΩ
 (** < 100 mΩ)

Operating temperature

Standard: -40° up to +80° C
**** with 5,0 N spring:** -100° up to +200° C

Materials

Plunger: BeCu or Steel, gold-, or rhodium-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated or stainless steel**
Receptacle: Brass, gold-plated

Mounting hole size

with receptacle: ∅ 3,48 - 3,49 mm (.1370 - .1374)
without receptacle: ∅ 3,00 mm (.1181)

Note:

The receptacle can be used from grid size 4,50 mm (180 Mil) upwards.

Recommended screw-in torque:
 Min.: 10 cNm / Max.: 20 cNm

Ordering example

Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring force (dN)	Collar height (mm)	Type "M"
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Test probe:

G K S 5 0 3 2 0 1 1 8 0 R 1 5 0 2 M

Receptacles:

K S - 5 0 0 M 2.5

Lamellar plug:

(for plugging onto the end of the plunger)

S E - 5 0 3