

GKS 746 M

Screw-in Non-Rotating Test Probe with continuous Plunger

Grid:

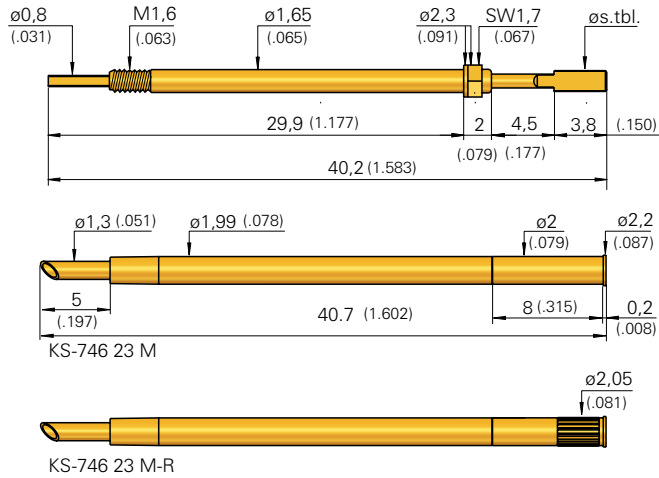
≥ 2,54 mm

≥ 100 Mil

Installation Height: 10,5 mm (.413)

Recommended Stroke: 4,0 mm (.157)

Mounting and Functional Dimensions



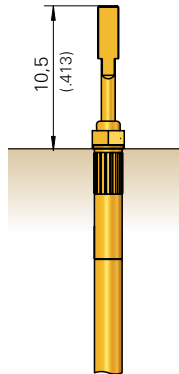
Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			ϕ	ϕ (inch)
3 20		A	$\phi 0,45$ (.017)	
3 20		A	$\phi 0,50$ (.020)	
3 20		A	$\phi 0,80$ (.031)	
3 20		A	$\phi 1,00$ (.039)	
3 05*		A	$\phi 0,64$ (.025)	
2 14*		A	$\phi 2,00$ (.078)	

Collar Height and Installation Height

The Installation Height of the Test Probe is determined by the Collar Height of the Receptacle.

Collar Height	Installation Height
02	10,5 mm (.413)



Mechanical Data

Working Stroke: 4,0 mm (.157)
Maximum Stroke: 4,4 mm (.173)
Spring Force at Work. Stroke: 1,5 N (5.4oz)
alternative: 3,0 N (10.8oz)

Electrical Data

Current Rating: 5 - 8 A
R_i typical: < 30 m Ω

Materials

Plunger: Steel or BeCu, gold-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated
Receptacle: Brass, gold-plated

Mounting Hole Size

for KS-746 23 M
in CEM 1 and FR 4: ϕ 1,99 mm (.0783)
for KS-746 23 M-R
in CEM 1 and FR 4: ϕ 2,00 - 2,02 mm (.0787 - .0795)

Note:

* Special Version: availability on request.

Note:

When screwing the Test Probe into the Receptacle, the plunger will be secured against rotation. The flat surface at the end of the plunger fits into the slot at the end of the Receptacle.

The assembled unit is then vacuum-sealed and can therefore be used for leakage tests.

The flat surface on the Plunger Tip is in the same alignment as the flat surface on the rear end of the Plunger.

Note:

GKS 746 ... M will be screwed into KS-746 23 M (-R) using special tools (see Page 170/171).

Recommended Screw-in Torque:
 Min.: 3 Ncm / Max.: 5 Ncm

Ordering Example

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm) (A)	Spade Width (B)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)	Type
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Test Probe:

G K S 7 4 6 3 2 0 1 5 0 0 5 0 A 1 5 0 2 M

Receptacle:

K S - 7 4 6 2 3 M

Screw-in Tools:

K S - 7 4 6 2 3 M - R