














GKS 112 M

Grid:
 $\approx 2,54 \text{ mm}$
 $\approx 100 \text{ Mil}$

Screw-in Test Probe
 Installation Height: $10,5 \text{ mm} (.413)$
 Recommended Stroke: $4,0 / 6,4 \text{ mm} (.157 / .252)$

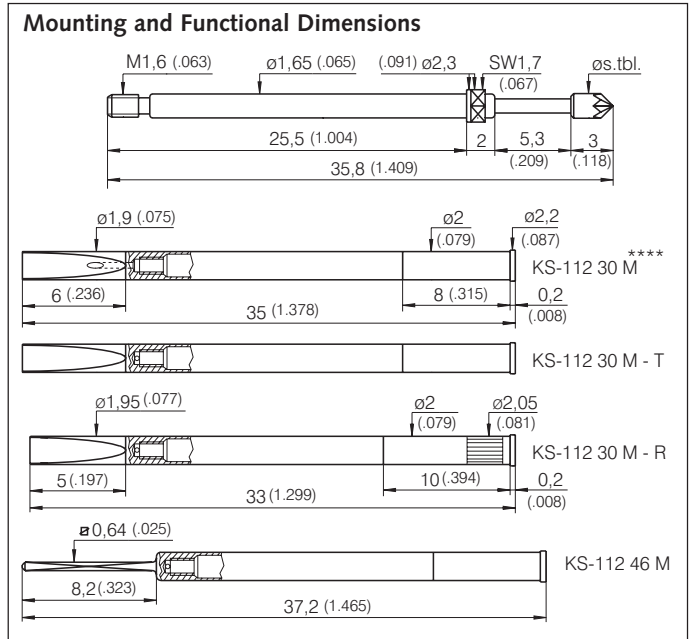
Available Tip Styles				Special Versions	
Material	Tip Style	Standard Plating		\varnothing	(\varnothing inch)
2	01 	R	$\varnothing 1,00 (.039)$	0,80	(.031)
3	02 	A	$\varnothing 2,00 (.079)$	1,00 1,50	(.039) (.059)
3	03 	A	$\varnothing 2,00 (.079)$	1,80	(.071)
2	04 	R	$\varnothing 2,00 (.079)$	1,30	(.051)
3	05 ** 	A	$\varnothing 0,63 (.025)$		
3	05 	A	$\varnothing 0,64 (.025)$	0,80	(.031)
3	05 	A	$\varnothing 2,00 (.079)$	1,00 1,40 2,30	(.039) (.055) (.091)
0	06* 	A	$\varnothing 2,30$		
3	06 	A	$\varnothing 2,00 (.079)$	1,30 R 1,50 R 1,80 R 2,50 R	(.051) (.059) (.071) (.098)
2	07 	R	$\varnothing 2,00 (.079)$	1,30 A	(.051)
2	09 *** 	N	$\varnothing 0,60 (.024)$		
2	14 	R	$\varnothing 1,30 (.051)$		
2	17 	N	$\varnothing 1,75 (.069)$	2,00	(.079)

* also available as Tip Style 002 and 003, Install. H.plus 0,8 mm (.031)
 ** Plunger with defined wobble, Special Designation: ... MT
 *** pressed-in Steel point in Base Plunger made of Brass

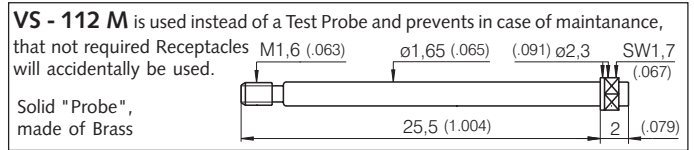
Note to GKS - 112 M and KS - 112 ... M
 GKS-112 ... M will be screwed into KS-112 ... M using special tools > see page 103.
 Recommended Screw-in Torque: Maximum 5 Ncm.

Ordering Example:

Series	Tip Material	Tip Style
0 = Delrin	2 = Steel	3 = BeCu



**** Axially positioned through-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.



Mechanical Data
 Working Stroke: $4,0 \text{ mm} (.157)$
 Maximum Stroke: $5,3 \text{ mm} (.209)$
 Spring Force at Work. Stroke: $1,5 \text{ N} (5.4\text{oz})$
 alternative: $0,6 \text{ N} (2.1\text{oz})$; $0,8 \text{ N} (2.9\text{oz})$; $2,25 \text{ N} (8.1\text{oz})$; $3,0 \text{ N} (10.8\text{oz})$; $5,0 \text{ N} (18\text{oz})$.

By Test Probes with Tip Dia. $\leq 1,0 \text{ mm} (.039)$, the Spring Force is reached at the recommended Working Stroke $6,4 \text{ mm} (.252)$ (maximum Stroke: $8,0 \text{ mm} (.315)$). Exception: $5,0 \text{ N} (18.1\text{oz})$ Spring: max. Stroke is always $5,3 \text{ mm} (.209)$.

Collar Height and Installation Height
 The Installation Height of the Tip is always $10,5 \text{ mm} (.413)$. The Test Probe can only be used with a Receptacle.

Electrical Data
 Current Rating: $5-8 \text{ A}$
 R_i typical: $< 20 \text{ m}\Omega$ (with spec. Design. "MC" $> 100 \text{ m}\Omega$)

Operating Temperature
 Standard: -40° up to $+80^\circ \text{ C}$
 With Spec. Designation "MC": -100° up to $+200^\circ \text{ C}$
 (0,8; 1,5; 2,25; 3,0 N)

Mounting Hole Sizes for Receptacles
 see page 87

Materials
 Plunger: Steel or BeCu, gold-, rhodium- or chemically nickel-plated
 Barrel: Brass, gold-plated
 Spring: Steel, gold-plated or stainless Steel (MC)
 Receptacle: Brass, gold-plated

Test Probe: **G K S 1 1 2 2 0 4 1 3 0 R 1 5 0 2 M**
 Receptacles for GKS-112 ... M: **KS - 112 30 M - T** **KS - 112 46 M**
 Receptacles for Leakage Test ****: **KS - 112 30 M**

All specifications are subject to change without prior notification