

Dimensions (mm)



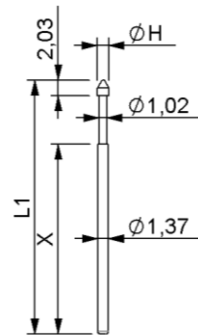
Test probes are available with different head styles. Deviating head styles are available on special request.

These probes are available in two different lengths, allowing for adapting the height of the probe in respect to the solder end of the component to be tested.

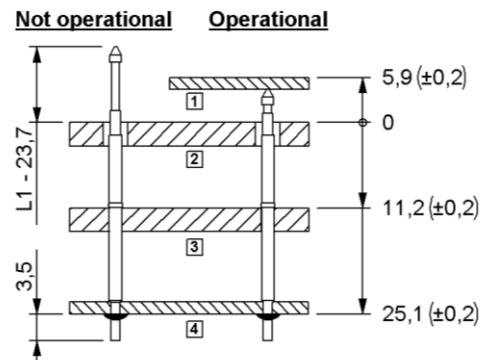
Deviating spring forces are also available on special request.

Please note:

When implementing more than 200N worth of test probes in a module, we strongly advise the use of one or more **TOK 9830 – Beams** (see p 81).



Test Probe



- 1 PCB (UUT): 1,55 - 4
- 2 Positioning board: 3,0 (+0,2/-0)
- 3 Spacer board: 3,0 (+0,2/-0)
- 4 Connector board: 1,55 (±0,05)

Technical Data

Spacing	2,54 mm / 100 mil
Spring force at working level	200 g
Current rating	3,0 A
Typical contact resistance	14 mΩ
Full travel	6,35 mm
Recommended working travel	4,32 mm
Shaft length	See "Lengths" paragraph below

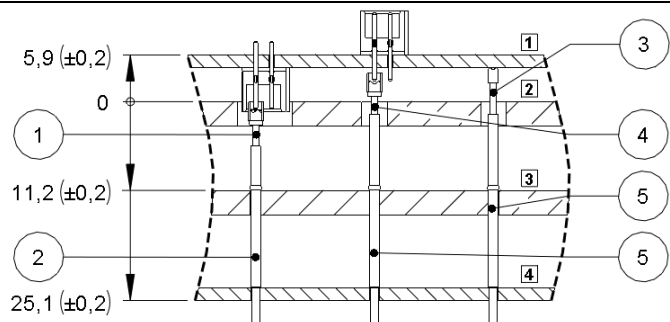
Materials

Pin barrel	Brass, gold plated
Pin spring	Spring steel, gold plated
Pin plunger	Hardened beryllium copper

Lengths

The various lengths of the test probes are appropriate for differing situations:


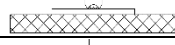

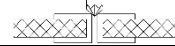




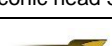

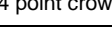

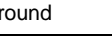

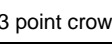
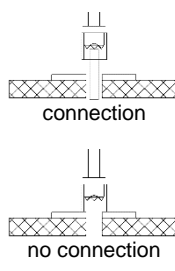


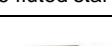

L1	X	Suitable for contacting of
26.3 mm	17.7 mm	headers on the UUT
30.2 mm	21.8 mm	through hole components on the UUT
33.3 mm	24.9 mm	the UUT itself as well as the pads of SMD components



Legend

- 1. TOK 9750-P-08-200-26.3
 - 2. TOK 9750-R-01-5.6-21.3
 - 3. TOK 9750-P-01-200-33.3
 - 4. TOK 9750-P-08-200-30.2
 - 5. TOK 9750-R-01-9.5-26.9
- 1 PCB (UUT): 1,55 - 4
 - 2 Positioning board: 3,0 (+0,2/-0)
 - 3 Spacer board: 3,0 (+0,2/-0)
 - 4 Connector board: 1,55 (±0,05)

Head Styles

Type		Dim. ØH	Application	Length(s) *
01	 16 point serrated	1,52 mm	 Lands, pads, leads, terminals.	26.3 mm 30.2 mm
02	 6 fluted star	1,52 mm	 Plated through holes, pads, lands.	33.3 mm
03	 concave	1,52 mm	 Long leads terminal, wire wrap pads.	26.3 mm 30.2 mm
04	 conic head 30°	1,02 mm	 Cuts oxidation and contamination.	33.3 mm
05	 4 point crown	1,52 mm	 Test pads, leads, solder points.	26.3 mm 30.2 mm
06	 round	1,02 mm	 Gold edge fingers, plated through holes. Leaves no marks.	33.3 mm
07	 3 point crown	1,02 mm	 Suitable for SMD testing due to smaller head	26.3 mm 30.2 mm
08	 9 point serrated with isolation sleeve	2,23 mm	 Lands, pads, leads, terminals. The probe within the isolation sleeve will not make an electrical connection if no lead is present. Additionally, the isolation sleeve prevents accidental interference between probes.	26.3 mm 30.2 mm
09	 6 fluted star	1,02 mm	 Plated through holes, pads, lands.	33.3 mm
10	 9 point serrated thin	0,60 mm	 Small pads (1,2-1,5 mm), small pads with solder.	33.3 mm

* Other lengths can be produced on request

How to order

TOK 9750	-	P	-	01	-	200	-	33.3
Series		Probe		Head style		Spring force (g)		Dimension L1 (mm)
TOK 9750		P		01 05 09 02 06 10 03 07 04 08		100 200		26.3 30.2 33.3

All specifications are subject to change without prior notice. Consult TEST-OK for latest specifications.