

# HSS 150 M / HSS 552 M

Screw-in High-Current Test Probe

NEW

Grid:

≥ 5,08 mm

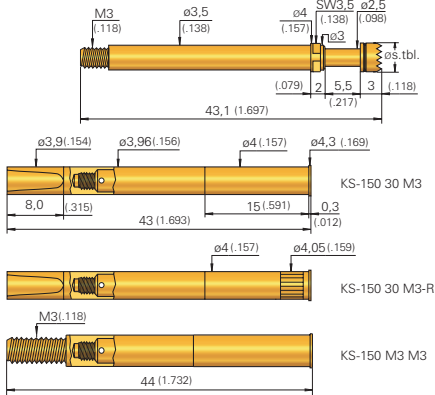
≥ 200 Mil

Installation Height: 10,8/13,8 mm (.425/.543)/7,5 mm (.295)

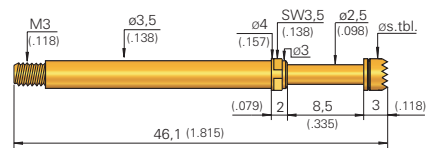
Recommended Stroke: 4,4/7,4 mm (.173/.291)/2,0 mm (.079)

## Mounting and Functional Dimensions

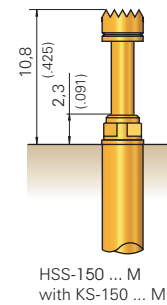
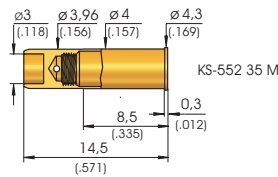
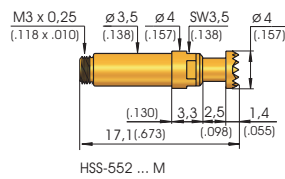
### HSS-150 ... M



### HSS-150 ... MH



### HSS-552 ... M



### Collar Height and Installation Height

The Installation Height of the Tip (Dimensions with Receptacle) is determined by the Collar Height.

Collar Height/Tip	Installation Height (with Receptacle) in mm
02 M	10,8 (.425) HSS 150...M (MH)
02 MH	13,8 (.543) HSS 150...M (MH)
03 M	7,5 (.295) HSS 552...M

### Mechanical Data HSS 150... M (MH)

Working Stroke: 4,4 mm (.173)

Typ „MH“: 7,4 mm (.291)

Maximum Stroke: 5,5 mm (.217)

Typ „MH“: 8,5 mm (.335)

Spring Force at Work. Stroke: 3,0 N (10.8oz)

alternative: 5,0 N (18.1oz)

### Mechanical Data HSS 552... M

Working Stroke: 2,0 mm (.079)

Maximum Stroke: 2,5 mm (.098)

Spring Force at Work. Stroke: 2,0 N (7.2oz)

### Operating Temperature

Standard: -100° up to +200° C

### \* Tip Style 05 S:

The pressed-in silver stud prevents burning or welding of the Test Probe to the test point.

### Materials

#### Plunger:

BeCu, gold-plated

or with Silver stud

Brass, gold-plated

#### Spring:

Stainless Steel

#### Receptacle:

Brass, gold-plated

### Mounting Hole Size

for KS-150 30 M3 + KS-150 M3 M3 +

HSS-552 35 M

in CEM 1 and FR 4: ø 3,99 mm (.1571)

for KS-150 30 M3-R: ø 4,0 - 4,02 mm

(.1575 - .1583)

### Electrical Data

#### Current Rating:

50 A

for short loads up to 80 A

#### Rj typical:

≤ 10 mΩ

### Available Tip Styles HSS-150 M

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3 02		A	ø 4,00 (.157)	
3 03		A	ø 4,00 (.157)	
3 05*		S	ø 4,00 (.157)	
3 06		A	ø 4,00 (.157)	3,00 (.118)
3 17		A	ø 3,00 (.118)	
3 19		A	ø 4,00 (.157)	

\* pressed-in Silver studd

### Available Tip Styles Special Version HSS-150... MH

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3 06		A	ø 4,00 (.157)	

Total Length 46,1 mm (1.815), Special Designation „MH“

### Available Tip Styles HSS-552 M

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3 06		A	ø 4,00 (.157)	NEW

### Note:

HSS-150 ... M and HSS 552 M will be screwed into KS-150 ... M3 and KS-552 ... M using special tools (see Page 170/171).

Recommended Screw-in Torque:

Min.: 10 Ncm / Max.: 20 Ncm

### Applications:

- High-current transfer during Functional Test
- Power-Supply Test
- Burn-In Test
- Contac. element in permanent use
- Usage with AC and DC

## Ordering Example

	Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type (alternative MH)
Test Probe:		3 = BeCu			A = Gold S = Silver			
Test Probe:								
Test Probe:								
Receptacle for HSS-150 ... M:								
Receptacle for HSS-552 ... M:								