

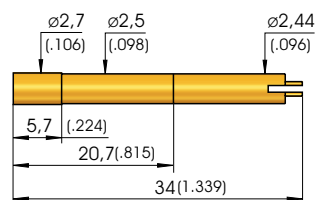
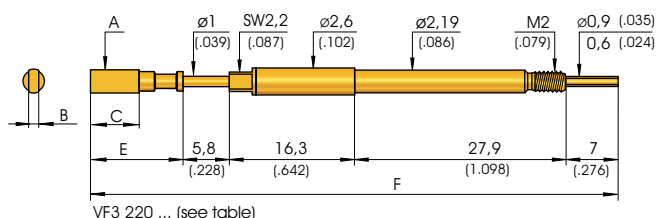
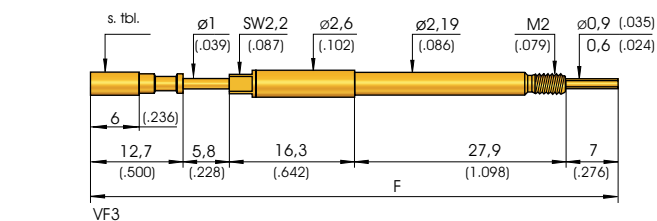
Grid:

≥ 3,00 mm  
≥ 120 Mil

Installation Height: 40,5/44,5/46,5 mm (1.595/1.752/1.831)

Recommended Stroke: 5,0 mm (.197)

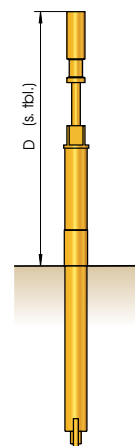
### Mounting and Functional Dimensions



KS-VF3

### Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2 02		A	1,50 1,80	(.059) (.071)
2 03		A	2,20 3,00	(.087) (.118)
2 05		A	1,70	(.067)
2 06		A	2,70 3,00	(.106) (.118)
2 20		A		



Part No.	A Tip-∅ mm (inch)	B Width of Spade in mm (inch)	C Length of Spade in mm (inch)	D Installation Height in mm (inch)	E Tip Height in mm (inch)	F Total Length mm (inch)
VF3 220 250 080 A 405 xx	2,5 (.098)	0,8 (.031)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 250 050 A 405 xx	2,5 (.098)	0,5 (.020)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 250 150 A 405 xx	2,5 (.098)	1,5 (.059)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 190 050 A 405 xx	1,9 (.075)	0,5 (.020)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 190 080 A 405 xx	1,9 (.075)	0,8 (.031)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 400 060 A 445 xx	4,0 (.160)	0,6 (.024)	10,0 (.394)	44,5 (1.752)	16,7 (.657)	73,7 (2.902)
VF3 220 220 120 A 405 xx	2,2 (.087)	1,2 (.047)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 270 080 A 405 xx	2,7 (.106)	0,8 (.031)	6,0 (.236)	40,5 (1.594)	12,7 (.500)	69,7 (2.744)
VF3 220 250 080 A 465 xx	2,5 (.098)	0,8 (.031)	12,0 (.472)	46,5 (1.831)	18,7 (.736)	75,7 (2.980)

### Installation Height

Installation Height with KS: see Table

### Note:

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

### Note:

VF 3 will be screwed into KS-VF 3 using special tools (see Page 170/171).

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

### Mechanical Data

**Working Stroke:** 5,0 mm (.197)  
**Maximum Stroke:** 5,5 mm (.217)  
**Spring Force at Work. Stroke:** 5,0 N (18oz);  
10,0 N (34.6oz); 15,0 N (54oz)

### Materials

**Plunger:** Steel, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated

### Electrical Data

**Current Rating:** 8 A  
**R<sub>i</sub> typical:** < 30 mΩ

### Mounting Hole Size

in CEM 1 and FR 4: ∅ 2,5 mm (.098)

### Ordering Example

Series Tip Material Tip Style Tip Diameter (A) Width of Spade (B) Plating A = Gold Installation Height (1/10 mm) Spring Force (dN)

Test Probe:

VF3 2 20 250 080 A 405 05

Receptacle:

KS - VF3