

VF 4

Push-back Probe

Grid:

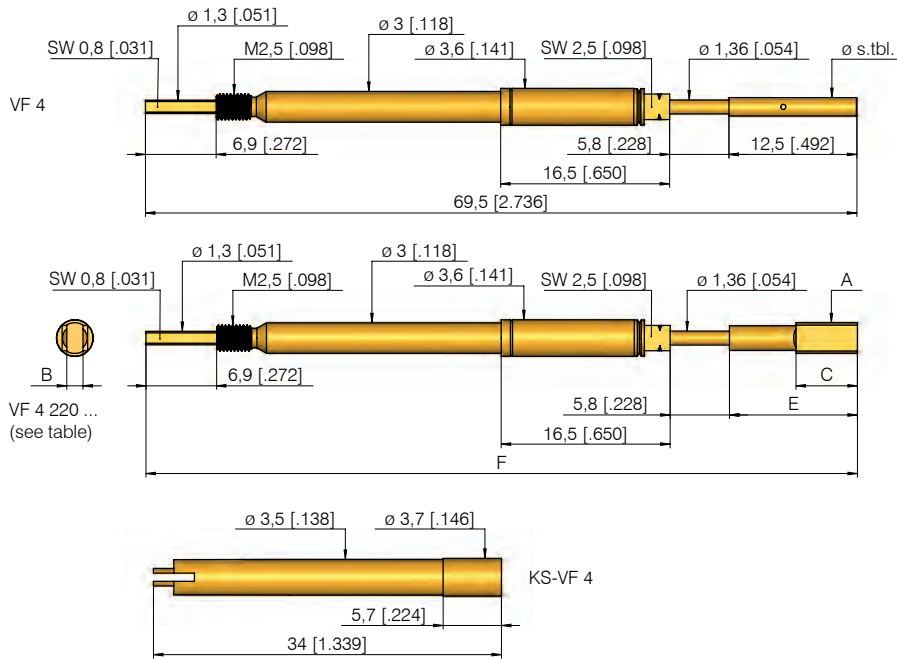
≥ 4,00 mm

≥ 157 Mil

Installation height with KS: 40,5 / 46,5 mm (1.594 / 1.831)

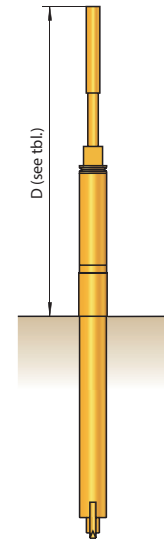
Recommended stroke: 5,0 mm (.197)

Mounting and functional dimensions



Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2 02		A	2,00	(.079)
2 02		A		
2 03		A	4,00	(.157)
2 06		A	4,00	(.157)
2 20*		A		
2 21*		A	0,80	(.031)
2 23*		A	1,60	(.063)



Part No.	A Tip-∅ mm (inch)	B Width of spade in mm (inch)	C Length of spade in mm (inch)	D Installation height with KS in mm (inch)	E Tip height in mm (inch)	F Total length mm (inch)
VF4 220 220 130 A 405 15	2,2 (.087)	1,3 (.051)	6,0 (.236)	40,5 (1.594)	12,5 (.492)	69,5 (2.736)
VF4 220 250 080 A 405 15	2,5 (.098)	0,8 (.031)	12,0 (.472)	46,5 (1.831)	18,5 (.728)	75,5 (2.972)
VF4 220 300 160 A 405 15	3,0 (.118)	1,6 (.063)	6,0 (.236)	40,5 (1.594)	12,5 (.492)	69,5 (2.736)

Installation height

Installation height with KS: see table

Mechanical data

Working stroke: 5,0 mm (.197)
 Maximum stroke: 5,5 mm (.220)
 Spring force at work. stroke: 15 N (54oz)
 Alternative: 20 N (72oz); 25 N (90oz)

Materials

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

Electrical data

Current rating: 8 A
 R_i typical: < 30 mΩ

Mounting hole size

in CEM1 and FR4: ∅ 3,50 mm (.1378)

Note:

Further tip styles are available upon request.

* Note:

The flat surface on the plunger tip is aligned with the flat surface on the rear of the plunger.

Recommended screw-in torque:
 Min.: 3 cNm / Max.: 5 cNm

Ordering example

Series	Tip material 2 = Steel	Tip style	Tip diameter (A) (1/100 mm)	Width of spade (B) (1/100 mm)	Plating A = Gold	Installation height (D) (1/10 mm)	Spring force (N)
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Test probe with tip style 220:

V F 4 2 2 0 2 5 0 0 8 0 A 4 6 5 1 5

Test probe:

V F 4 2 0 2 1 8 0 A 1 5

Receptacle:

K S - V F 4