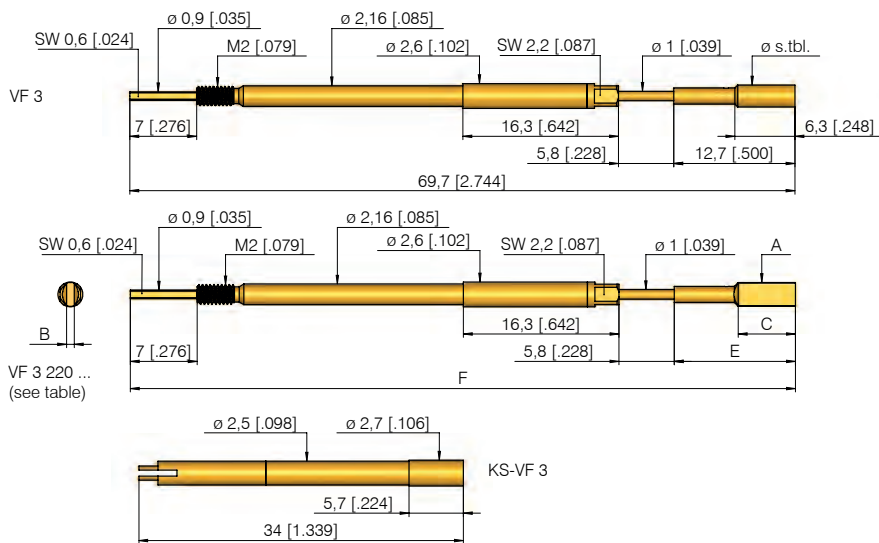


Grid:
 ≥ 3,00 mm
 ≥ 120 Mil

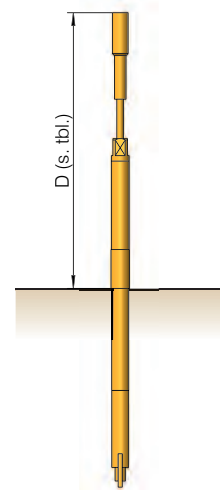
Install. height with KS: 40,5/44,5/46,5 mm (1.595/1.752/1.831)
Recommended stroke: 5,0 mm (.197)

Mounting and functional dimensions



Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2 02		A	1,50 1,80 3,00	(.059) (.071) (.118)
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 with KS 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 220 190 050 A 465 xx	1,9 (.075)	0,5 (.020)	12,0 (.472)	46,5 (1.831)	18,7 (.736)	75,7 (2.980)
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 aligned with the flat surface on the rear of the plunger.

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

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_i typical: < 30 mΩ

Mounting hole size

in CEM1 and FR4: ∅ 2,5 mm (.098)

Operating temperature

Standard: -40° up to +80° C

Ordering example

Series	Tip material	Tip style	Tip diameter (A) (1/100 mm)	Spade width (B) (1/100 mm)	Plating	Installation height (D) (1/10 mm)	Spring force (N)
--------	--------------	-----------	-----------------------------	----------------------------	---------	-----------------------------------	------------------

Test probe with tip style 220:

V F 3 2 2 0 2 5 0 0 8 0 A 4 0 5 0 5

Test probe:

V F 3 2 0 2 2 3 0 A 1 5

Receptacle:

K S - V F 3