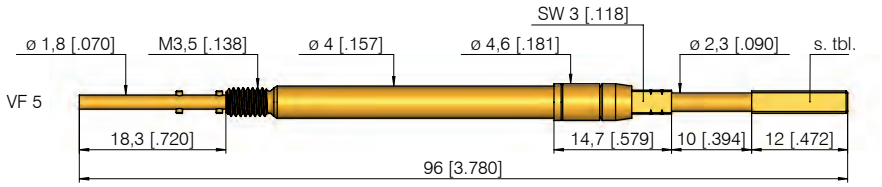
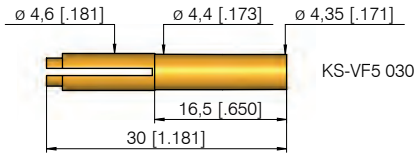
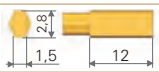
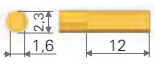
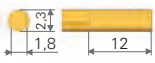
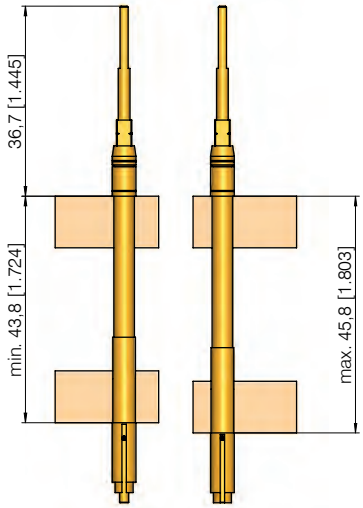
Mounting and functional dimensions





Available tip styles

Material	Tip style	Plating	Further versions ∅	Further versions ∅ (inch)
3	20  1,40 (.055)	A		
3	20*  1,50* (.059)	A		
3	20  1,60 (.063)	A		
3	20  1,80 (.071)	A		



The VF 5 is mounted in the KS-VF5 030 which is pressed into a second plate to fix the receptacle securely and prevent rotation. The distance between the plates is 44.8 mm +/- 1 mm.

Note:
* Maximum stroke of VF5-320 150 A 096 with 15 N and 20 N = 10,0 mm (.394)

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

Note:
To identify the spring force, the flat areas for the spanner are marked with notches:

- 1 notch 15 N (54oz)
- 2 notches 20 N (72oz)
- 3 notches 34 N (122oz)

Note:
The test probes are screwed in with specialised tools, shown on page 196.

Recommended screw-in torque:
Min.: 10 cNm / Max.: 20 cNm

Mechanical data

Spring force at work. stroke	Pre-load	Working stroke in mm (inch)	Maximum stroke in mm (inch)
15 N (54oz)	2,7 N (10oz)	9,5 (.374)	10* (.394)/12 (.472)
20 N (72oz)	3,6 N (13oz)	9,5 (.374)	10* (.394)/12 (.472)
34 N (122oz)	10,0 N (36oz)	5,0 (.197)	6,5 (.256)

Materials

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

Mounting hole size

for VF5
in CEM1 and FR4: ∅ 4,0 mm (.1575)
for KS-VF5 030
in CEM1 and FR4: ∅ 4,4 mm (.1732)

Operating temperature

Standard: -40° up to +80° C

Electrical data

Current rating: 10 A
R_i typical: < 30 mΩ

Ordering example

Series	Tip material 3 = BeCu	Tip style	Spade width (1/100 mm)	Plating A = Gold	Total length (dN)	Spring force (N)
VF 5	3	20	150	A	096	20

Test probe: VF 5 3 20 150 A 096 20

Receptacle: KS-VF5 030