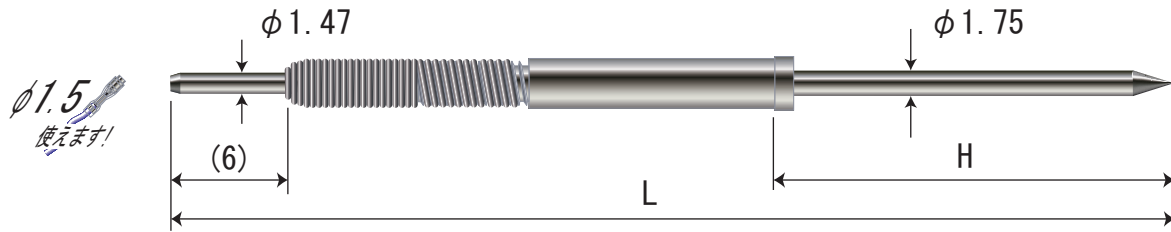
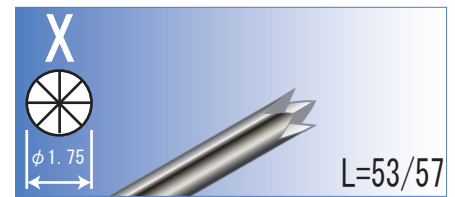
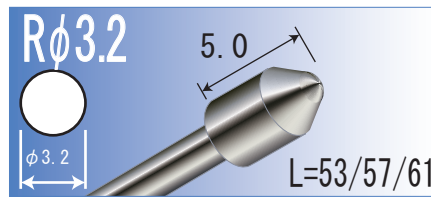
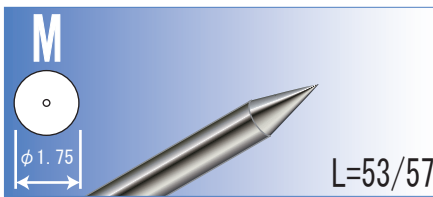


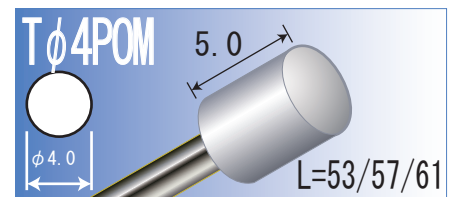
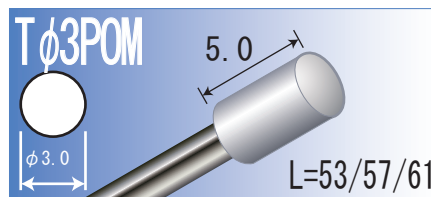
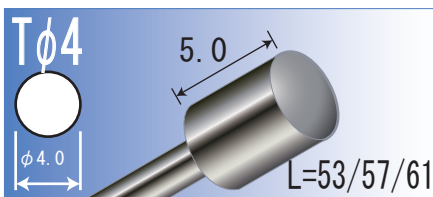
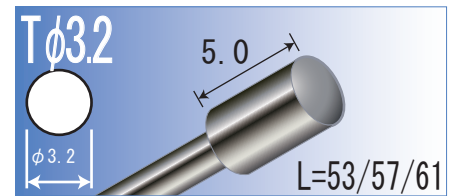
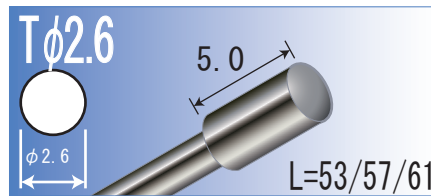
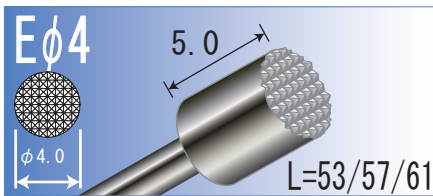
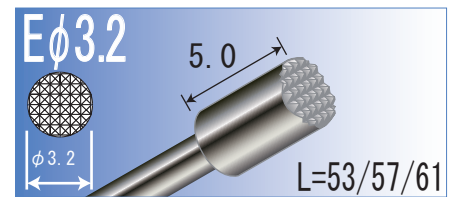
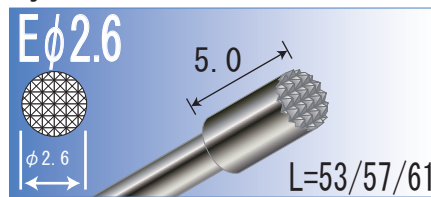
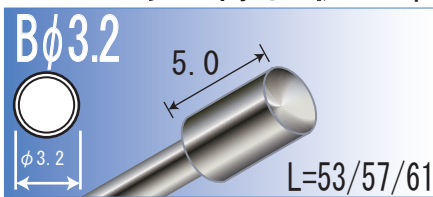
# C-17, 20, 22 Series -ピッチ (Center Pitch) 4.75~8mm-



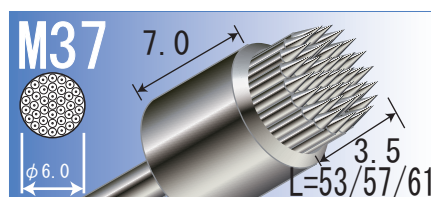
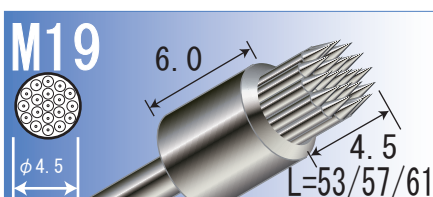
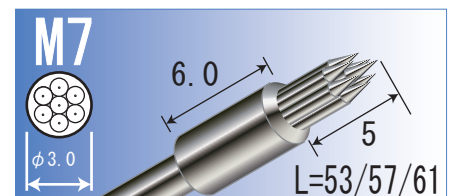
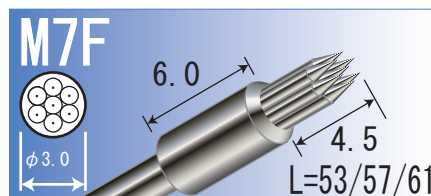
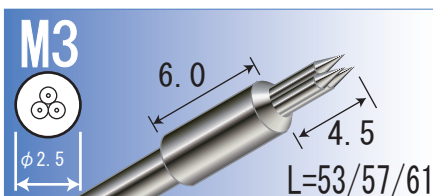
## C-17 先端形状<Tip Style>



## C-20 先端形状<Tip Style>



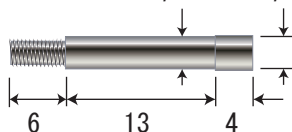
## C-22 先端形状<Tip Style>



# C-17,20,22 Series - スリーブ&スプリング - Sleeve & Spring

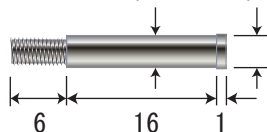
## スリーブ<Sleeve>

17-23×4  $\phi 3.43$   $\phi 3.7$



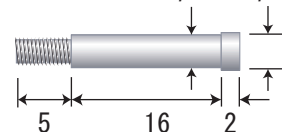
推奨穴径<recommended mounting hole size>  
 $\phi 3.44 \pm 0.01^*$

17-23×1  $\phi 3.43$   $\phi 3.7$



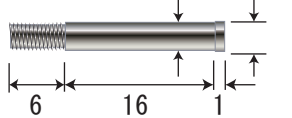
推奨穴径<recommended mounting hole size>  
 $\phi 3.44 \pm 0.01^*$

17-23×2 (POM)  $\phi 3.5$   $\phi 4.0$



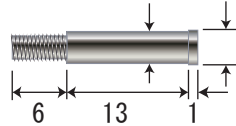
推奨穴径<recommended mounting hole size>  
 $\phi 3.49^{+0}_{-0.01}^*$

F用  
(For 17F)  $\phi 3$   $\phi 3.2$



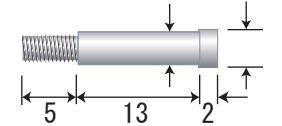
推奨穴径<recommended mounting hole size>  
 $\phi 3^{+0}_{-0.01}^*$

17-20×1  $\phi 3.43$   $\phi 3.7$



推奨穴径<recommended mounting hole size>  
 $\phi 3.44 \pm 0.01^*$

17-20×2 (POM)  $\phi 3.5$   $\phi 4.0$



推奨穴径<recommended mounting hole size>  
 $\phi 3.49^{+0}_{-0.01}^*$

F用スリーブはボードに圧入後にスプリングを巻いてください(スプリング部が $\phi 3$ を超えるため)  
For 17F sleeve must be inserted to be board before attached spring.

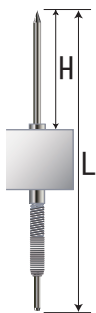
\* 諸条件により勘合が変わりますので予め端材等で御確認ください<Please carry it out after confirming on extra materials.>

## スプリング<Spring>

バネ圧 Spring force ストローク Traveling	Spring	#212	#213	#510	#512	#513	#811	#813	#410	#413
		12	13	10	12	13	11	13	10	13
		線径 $\phi 0.32$	$\phi 0.32$	$\phi 0.35$	$\phi 0.35$	$\phi 0.35$	$\phi 0.38$	$\phi 0.38$	$\phi 0.4$	$\phi 0.4$
Spring force@4mm		80g	70g	170g	120g	110g	190g	170g	240g	210g
Spring force@6mm		110g	100g	230g	170g	140g	270g	230g	340g	280g
Spring force@8mm		140g	120g	290g	220g	180g	350g	300g	440g	350g

H 樹脂面からの高さ  
Height from top plate of fixture

プローブL53と各種スリーブ、スプリングとの組み合わせによる樹脂面よりピン先端までの寸法(mm)  
This table shows the height of which plunger length is 53mm. Please add or subtract the difference for other plunger length.



Sleeve \ Spring	#212	#213	#510	#512	#513	#811	#813	#410	#413
17-23x4	20mm	19	22	20	19	22	20	22	20
F用 (for 17F)	17	16	19	17	16	19	17	19	17
17-23x1	17	16	19	17	16	19	17	19	17
17-20x1	20	19	22	20	19	22	20	22	20
17-23x2 (POM)	17	16	19	17	16	19	17	19	17
17-20x2 (POM)	20	19	22	20	19	22	20	22	20

樹脂面から、プランジャー先端までの高さは、プランジャー・スリーブ・スプリングの組み合わせで決まります。  
The height from plate to top of plunger depends on combination of plunger length, sleeve and spring.

## 材質・表面処理/Materials

プランジャー: 硬鋼線、Niめっき  
スモールピン: SK材、Niめっき  
ヘッド: 真鍮(スモールピン用)、Niめっき又はSK材、Niめっき又はPOM  
スプリング: SUS304  
スリーブ: 真鍮、Niめっき又はPOM

Plunger: Ni plated Hard steel wire  
Needle: Ni plated High Carbon steel  
Head: Ni plated Bs (Needle) or High carbon steel, POM  
Spring: Stainless steel  
Sleeve: Ni plated Bs or POM

## 注文方法/How to Order

シリーズ 先端形状  
Series Tipstyle L プランジャー全長  
Length of Plunger

C-17  
C-20  
C-22

例 C-17M-L53、C-20E $\phi 2.6$ -L57  
Example C-22M3-L53

\* スリーブ・スプリングを別途御指定下さい。  
例 17-23×4+#212、17-23×2(POM)+#510  
<Example For Sleeve and Spring>  
17-23×4+#212、17-23×2(POM)+#510