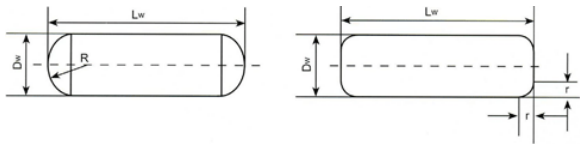


OTHER> CYLINDRICAL NEEDLE & FLAT END NEEDLE ROLLERS



TOLERANCE

平均直徑的偏差:		01 - 10 μm		
各級精度滾針平均直徑的偏差均為:		分組批直徑變動量、優先分組圓形偏差和直徑變動量 (Tolerance Specification)		
Tolerance grade	分組批直徑變動量 V DwI max	優先分組平均直徑 D wmp Tolerance	圓形偏差 max	直徑變動量 VDwp max
2	2	0/-2 , -1/-3 , -2/-4 -3/-5 , -4/-6 , -5/-7 -6/-8 , -7/-9 , -8/-10	1	1
3	3	0/-3 , -1.5/-4.5 -3/-6 , -4.5/-7.5 -6/-9 , -7/-10	1.5	1.5
5	5	0/-5 , -3/-8 , -5/-10	2.5	2

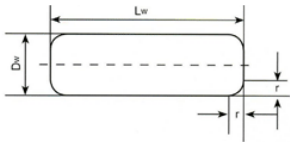
平頭滾針倒角尺寸 Radius tolerance			
滾針公稱直徑		倒角級限	
Dw			
超過	到	γs min	γs max
	1	0.1	0.3
1	3	0.1	0.4
3	5	0.1	0.6

SPECIFICATION

Lw	規格							
	Dw							
	1	1.5	2	2.5	3	3.5	4	5
5.8	x	x						
6.8	x	x						
7.8	x	x	x	x				
9.8	x	x	x	x	x			
11.8		x	x	x	x	x		
13.8		x	x	x	x	x	x	
15.8			x	x	x	x	x	x
17.8			x	x	x	x	x	x
19.8			x	x	x	x	x	x
21.8				x	x	x	x	x
23.8				x	x	x	x	x
25.8					x	x	x	x
27.8					x	x	x	x
29.8					x	x	x	x
34.8						x	x	x
39.8							x	x
49.8								x

Lw公差為H13, The tolerance for Lw is H13

ROLLER



SPECIFICATION

尺寸 SIZE	主要尺寸(mm)			
	Dw	Lw	γs min	γs max
3.0x 3.0	3	3	0.2	0.4
3.0x 4.0	3	5		
3.5x 5.0	3.5	5		
4.0x 4.0	4	4		
4.0x 6.0	4	6		
4.0x 8.0	4	8		
4.5x 4.5	4.5	4.5	0.2	0.6
4.5x 6.0	4.5	6		
5.0x 5.0	5	5		
5.0x 8.0	5	8		
50x 100	5	10		
5.5x 5.5	5.5	5.5		
5.5x 8.0	5.5	8		
6.0x 6.0	6	6		
6.0x 8.0	6	8		
60x 100	6	10		
60x 120	6	12		
6.5x 6.5	6.5	6.5		
6.5x 9.0	6.5	9		
7.0x 7.0	7	7		
70x 100	7	10		
70x 140	7	14		
7.5x 7.5	7.5	7.5		
7.5x 9.0	7.5	9		
7.5x 11	7.5	11		
8.0x 8.0	8	8		
80x 100	8	10		
80x 120	8	12		
9.0x 9.0	9	9	0.3	0.7
90x 100	9	10		
90x 140	9	14		
10 x 100	10	10	0.3	0.7
10 x 110	10	11		
10 x 140	10	14		
11 x 110	11	11		
11 x 120	11	12		
11 x 150	11	15	0.3	0.7
12 x 120	12	11		
12 x 140	12	14		
12 x 180	12	18		
13 x 130	13	13	0.4	0.8
13 x 200	13	20		
14 x 140	14	14		
14 x 200	14	20		
15 x 150	15	15		
15 x 160	15	16		
15 x 220	15	22		
16 x 160	16	16		
16 x 170	16	17		
16 x 240	16	24	0.4	1
17 x 170	17	17		
17 x 240	17	24		
18 x 180	18	18		
18 x 190	18	19		
18 x 260	18	26		
19 x 190	19	19		
19 x 200	19	20		
19 x 280	19	28		
20 x 200	20	20		
20 x 300	20	30		

尺寸 SIZE	主要尺寸(mm)			
	Dw	Lw	γs min	γs max
21 x 210	21	21	0.5	1.1
21 x 300	21	30		
22 x 220	22	22		
22 x 240	22	24		
22 x 340	22	34		
23 x 230	23	23		
23 x 340	23	34		
24 x 240	24	24		
24 x 260	24	26		
24 x 360	24	36		
25 x 250	25	25		
25 x 360	25	36		
26 x 260	26	26		
26 x 280	26	28		
26 x 400	26	40		
28 x 280	28	28	0.6	1.4
28 x 440	28	44		
30 x 300	30	30		
30 x 480	30	48		
32 x 320	32	32		
32 x 520	32	52		
34 x 340	34	34		
34 x 550	34	55	0.7	1.7
36 x 360	36	36		
36 x 580	36	58		
38 x 380	38	38		
38 x 620	38	62		
40 x 400	40	40		
40 x 650	40	65	0.9	2.1
42 x 420	42	42		
45 x 450	45	45		
48 x 480	48	48		
50 x 500	50	50		