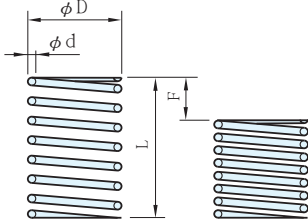


# AL

## 圓線彈簧 (40%壓縮量)

外徑 D  $\phi 10$ 以下  $-0.5\text{mm}$   
 $\phi 12$ 以上  $-0.8\text{mm}$   
 自由長 L 50以下  $\pm 1.5\text{mm}$   
 55以上  $\pm 2.5\text{mm}$



Ma. 材質 SWP-A

Co. 顏色 本色

規格	AY	AR	AF	AL	AT	AM	AH	AB
D				0.5				
2					N/mm	N/mm		3.9
3					1.5	2.0	2.9	4.9
4	N/mm							
5	0.1							
6								
8								
10		N/mm	N/mm	N/mm			N/mm	N/mm
12		0.3	0.5	1.0	N/mm	N/mm	5.9	9.8
13					2.0	2.9		
14	N/mm						N/mm	N/mm
16	0.2							9.8
18								19.6
20		N/mm	N/mm	N/mm	N/mm	N/mm	N/mm	29.4
22		0.5	1.0	2.9	3.9	4.9	14.7	
27								N/mm
								29.4

F MAX F=L×75% F=L×60% F=L×45% F=L×40% F=L×40% F=L×35% F=L×30% F=L×25%

AL:F max (容許壓縮量)=L×40%

品號	d	密著長	F	荷重	單價	品號	d	密著長	F	荷重	單價
TypeD-L	mm	max	max	N/max		TypeD-L	max	max	max	N/max	
AL02-05*	0.2	1.7	2	0.98		AL05-35	0.65	15.6	14	13.7	
10*	0.26	5.2	4	2.0		40	0.65	15.6	16	15.7	
15*	0.26	5.2	6	2.9		45	0.7	20.0	18	17.7	
20*	0.29	9.0	8	3.9		50	0.7	20.0	20	19.6	
25*	0.29	9.0	10	4.9		55	0.7	23.1	22	21.6	
30*	0.3	10.8	12	5.9		60	0.75	33.0	24	23.5	
AL03-05*	0.3	2.1	2	2.0		65	0.75	32.3	26	25.5	
10*	0.35	3.9	4	3.9		70	0.75	32.3	28	27.5	
15*	0.4	6.5	6	5.9		AL06-05*	0.45	2.5	2	2.0	
20*	0.4	6.5	8	7.8		10	0.55	4.7	4	3.9	
25*	0.45	13.0	10	9.8		15	0.55	4.7	6	5.9	
30*	0.45	13.0	12	11.8		20	0.65	9.0	8	7.8	
35*	0.45	13.0	14	13.7		25	0.65	9.0	10	9.8	
40*	0.5	21.0	16	15.7		30	0.7	13.7	12	11.8	
AL04-05*	0.35	2.1	2	2.0		35	0.7	13.7	14	13.7	
10*	0.45	5.0	4	3.9		40	0.7	13.7	16	15.7	
15*	0.45	5.0	6	5.9		45	0.75	18.9	18	17.7	
20	0.5	9.0	8	7.8		50	0.75	18.9	20	19.6	
25	0.5	9.0	10	9.8		55	0.75	18.9	22	21.6	
30	0.55	13.9	12	11.8		60	0.8	26.4	24	23.5	
35	0.55	13.9	14	13.7		65	0.8	26.4	26	25.5	
40	0.6	21.6	16	15.7		70	0.85	30.6	28	27.5	
45	0.6	21.6	18	17.7		80	0.85	34.9	32	31.4	
50	0.6	21.6	20	19.6		AL08-10	0.65	4.7	4	3.9	
55	0.6	21.6	22	21.6		15	0.75	8.5	6	5.9	
60	0.65	33.0	24	23.5		20	0.75	8.5	8	7.8	
AL05-05*	0.4	2.3	2	2.0		25	0.75	8.5	10	9.8	
10*	0.45	3.4	4	3.9		30	0.8	11.2	12	11.8	
15*	0.5	5.0	6	5.9		35	0.8	11.2	14	13.7	
20	0.55	7.7	8	7.8		40	0.8	11.2	16	15.7	
25	0.6	10.8	10	9.8		45	0.85	15.3	18	17.7	
30	0.6	10.8	12	11.8		50	0.85	15.3	20	19.6	

AL

圓線彈簧(40%壓縮量)

品號	d	密著長	F	荷重	單價	品號	d	密著長	F	荷重	單價	
TypeD-L	mm	max	N/max	TypeD-L		mm	max	N/max				
AL08-55	0.85	15.3	22	21.6	•	AL14-20	1.0	7.5	8	7.8	•	
60	0.9	19.4	24	23.5		25	1.0	7.5	10	9.8		
65	0.9	19.4	26	25.5		30	1.1	11.0	12	11.8		
70	1.0	31.0	28	27.5		35	1.1	11.0	14	13.7		
80	1.0	31.0	32	31.4		40	1.1	11.0	16	15.7		
AL10-10	0.75	5.3	4	3.9	•	45	1.2	15.6	18	17.7	•	
15	0.8	6.4	6	5.9		50	1.2	15.6	20	19.6		
20	0.8	6.4	8	7.8		55	1.2	15.6	22	21.6		
25	0.9	10.8	10	9.8		60	1.2	15.6	24	23.5		
30	0.9	10.8	12	11.8		65	1.3	22.1	26	25.5		
35	0.9	10.8	14	13.7		70	1.3	22.1	28	27.5		
40	0.9	10.8	16	15.7		80	1.3	22.1	32	31.4		
45	1.0	17.0	18	17.7		90	1.5	43.5	36	35.3		
50	1.0	17.0	20	19.6		AL16-15	1.1	8.2	6	5.9		•
55	1.0	17.0	22	21.6		20	1.1	8.2	8	7.8		
60	1.0	17.0	24	23.5		25	1.2	10.0	10	9.8		
65	1.1	24.0	26	25.5		30	1.2	10.0	12	11.8		
70	1.1	24.0	28	27.5		35	1.2	10.0	14	13.7		
80	1.1	24.2	32	31.4		40	1.2	10.0	16	15.7		
AL12-10	0.8	4.8	4	4.0		45	1.4	21.0	18	17.7		
15	0.9	7.2	6	5.9	50	1.4	21.0	20	19.6			
20	0.9	7.2	8	7.8	55	1.4	21.0	22	21.6			
25	0.9	7.2	10	9.8	60	1.4	21.0	24	23.5			
30	1.0	10.5	12	11.8	65	1.5	29.7	26	25.5			
35	1.0	10.5	14	13.7	70	1.5	29.7	28	27.5			
40	1.0	10.5	16	15.7	80	1.5	29.7	32	31.4			
45	1.1	15.4	18	17.7	90	1.6	40.0	36	35.3			
50	1.1	15.4	20	19.6	AL18-20	1.5	10.0	8	23.5	•		
55	1.1	15.4	22	21.6	25	1.6	12.0	10	29.4			
60	1.2	22.8	24	23.5	30	1.6	12.0	12	35.3			
65	1.2	22.8	26	25.5	35	1.7	16.2	14	41.2			
70	1.2	22.8	28	27.5	40	1.7	16.2	16	47.1			
80	1.3	34.5	32	31.4	45	1.8	19.8	18	53.0			
AL13-10	0.85	5.1	4	4.0	50	1.8	19.8	20	58.8			
15	0.9	6.3	6	5.9	55	1.8	19.8	22	64.7			
20	1.0	8.7	8	7.8	60	1.8	19.8	24	70.6			
25	1.0	8.7	10	9.8	65	2.0	32.0	26	76.5			
30	1.1	13.2	12	11.8	70	2.0	32.0	28	82.4			
35	1.1	13.2	14	13.7	80	2.0	32.0	32	94.1			
40	1.1	13.2	16	15.7	90	2.2	43.0	36	105.9			
45	1.1	13.2	18	17.7	100	2.2	43.0	40	117.7			
50	1.1	13.2	20	19.6	AL20-20	1.6	10.4	8	23.5	•		
55	1.1	13.2	22	21.6	25	1.6	10.4	10	29.4			
60	1.1	13.2	24	23.5	30	1.7	12.8	12	35.3			
65	1.2	18.6	26	25.5	35	1.7	12.8	14	41.2			
70	1.2	18.6	28	27.5	40	1.8	15.8	16	47.1			
80	1.4	37.8	32	31.4	45	1.8	15.8	18	53.0			
90	1.4	37.8	36	35.3	50	1.8	15.8	20	58.8			
AL14-15	1.0	7.5	6	5.9	55	1.8	15.8	22	64.7			

A L

## 圓線彈簧(40%壓縮量)

品 號	d	密著長	F	荷重	單 價
TypeD-L		mm	max	N/max	
AL20-60	2.0	24.0	24	70.6	•
65	2.0	24.0	26	76.5	
70	2.0	24.0	28	82.4	
80	2.2	37.4	32	94.1	
90	2.2	37.4	36	105.9	•
100	2.2	37.4	40	117.7	
AL22-20	1.7	10.8	8	23.5	•
25	1.8	13.3	10	29.4	
30	1.8	13.3	12	35.3	
35	1.8	13.3	14	41.2	
40	2.0	20.0	16	47.1	
45	2.0	20.0	18	53.0	
50	2.0	20.0	20	58.8	
55	2.0	20.0	22	64.7	
60	2.2	28.6	24	70.6	
65	2.2	28.6	26	76.5	
70	2.2	28.6	28	82.4	•
80	2.2	28.6	32	94.1	
90	2.3	34.5	36	105.9	
100	2.3	34.5	40	117.7	
AL27-30	2.1	14.0	12	35.3	•
35	2.1	14.0	14	41.2	
40	2.3	19.0	16	47.1	
45	2.3	19.0	18	53.0	
50	2.3	19.0	20	58.8	
55	2.3	19.0	22	64.7	
60	2.5	28.0	24	70.6	
65	2.5	28.0	26	76.5	
70	2.6	34.5	28	82.4	
80	2.6	34.5	32	94.1	
90	2.8	46.7	36	105.9	•
100	2.8	46.7	40	117.7	

- 荷重(N)=定數(N/mm)×壓縮量(mm)
- 密著長是參考值,製作時會有少許差異
- ★記號兩端面無研磨
- 耐熱溫度80°C
- 1N=0.101972Kgf
- 非標準規格彈簧訂購請參考P.464,465

訂貨方式:  交期:

AL20-60