

弹簧尺寸价格表

单位: 元/条

规格(modle) 外径×内径×长度 D <sub>H</sub> ×D <sub>d</sub> ×L <sub>0</sub>	价格	刚度	压缩量 deflection 25.6% 1.000.000		压缩量 deflection 28.8% 500.000		压缩量 deflection 32% 300.000	
			φ/mm	Kgf{N}	φ/mm	Kgf{N}	φ/mm	Kgf{N}
<b>SM14×7×25</b>	7.3	4.87	6.4	31 {304}	7.2	35 {343}	8.0	39 {382}
30	8.0	4.06	7.7		8.6		9.6	
35	8.6	3.48	9.0		10.1		11.2	
40	9.4	3.04	10.2		11.5		12.8	
45	10.2	2.70	11.5		13.0		14.4	
50	11.0	2.43	12.8		14.4		16.0	
55	11.8	2.21	14.1		15.8		17.6	
60	13.0	2.03	15.4		17.3		19.2	
65	14.2	1.87	16.6		18.7		20.8	
70	15.4	1.74	17.9		20.2		22.4	
75	16.6	1.62	19.2		21.6		24.0	
80	17.8	1.52	20.5		23.0		25.6	
90	20.6	1.35	23.0		25.9		28.8	
<b>SM16×8×25</b>	9.3	6.37	6.4		41 {402}		7.2	
30	10.3	5.31	7.7	8.6		9.6		
35	11.2	4.55	9.0	10.1		11.2		
40	12.3	3.98	10.2	11.5		12.8		
45	13.2	3.54	11.5	13.0		14.4		
50	14.4	3.18	12.8	14.4		16.0		
55	15.3	2.89	14.1	15.8		17.6		
60	16.2	2.65	15.4	17.3		19.2		
65	17.3	2.45	16.6	18.7		20.8		
70	18.3	2.27	17.9	20.2		22.4		
75	19.3	2.11	19.2	21.6		24.0		
80	20.1	1.99	20.5	23.0		25.6		
90	22.1	1.77	23.0	25.9		28.8		
100	25.3	1.59	25.6	28.8		32.0		
<b>SM18×9×25</b>	9.4	8.12	6.4	52 {510}	7.2	58 {569}	8.0	65 {637}
30	10.0	6.77	7.7		8.6		9.6	
35	11.2	5.80	9.0		10.1		11.2	
40	12.0	5.07	10.2		11.5		12.8	
45	13.2	4.51	11.5		13.0		14.4	
50	14.2	4.06	12.8		14.4		16.0	
55	15.4	3.69	14.1		15.8		17.6	
60	16.6	3.38	15.4		17.3		19.2	
65	17.8	3.12	16.6		18.7		20.8	
70	19.0	2.90	17.9		20.2		22.4	
75	20.0	2.60	19.2		21.6		24.0	
80	21.2	2.53	20.5		23.0		25.6	
90	23.5	2.30	23.0		25.9		28.8	
100	26.2	2.02	25.6		28.8		32.0	
<b>SM20×10×25</b>	10.4	10.00	6.4	64 {628}	7.2	72 {706}	8.0	80 {785}
30	11.4	8.33	7.7		8.6		9.6	
35	12.7	7.14	9.0		10.1		11.2	
40	13.8	6.25	10.2		11.5		12.8	
45	15.0	5.55	11.5		13.0		14.4	
50	16.2	5.00	12.8		14.4		16.0	
55	17.4	4.54	14.1		15.8		17.6	
60	18.6	4.16	15.4		17.3		19.2	
65	20.0	3.84	16.6		18.7		20.8	
70	21.0	3.57	17.9		20.2		22.4	
75	21.8	3.30	19.2		21.6		24.0	
80	22.4	3.12	20.5		23.0		25.6	
90	24.0	2.77	23.0		25.9		28.8	
100	25.5	2.50	25.6		28.8		32.0	
125	32.3	2.00	32.0	36.0	40.8			
150	39.2	1.67	38.4	43.2	48.0			
<b>SM22×11×25</b>	11.8	12.00	6.4	77 {755}	7.2	87 {853}	8.0	97 {951}
30	13.0	10.10	7.7		8.6		9.6	
35	14.2	8.70	9.0		10.1		11.2	
40	15.2	7.57	10.2		11.5		12.8	

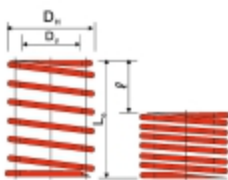
1N=0.102kgf

弹簧尺寸价格表

单位: 元/条

规格(modle) 外径×内径×长度 D <sub>H</sub> ×D <sub>d</sub> ×L <sub>0</sub>	价格	刚度	压缩量 deflection 25.6% 1.000.000		压缩量 deflection 28.8% 500.000		压缩量 deflection 32% 300.000				
			φ/mm	Kgf{N}	φ/mm	Kgf{N}	φ/mm	Kgf{N}			
<b>SM22×11×45</b>	16.2	6.60	11.5	77 {755}	13.0	87 {853}	14.4	97 {951}			
50	17.3	6.06	12.8		14.4		16.0				
55	18.3	5.50	14.1		15.8		17.6				
60	19.4	5.05	15.4		17.3		19.2				
65	20.5	4.60	16.6		18.7		20.8				
70	21.5	4.33	17.9		20.2		22.4				
75	22.3	4.00	19.2		21.6		24.0				
80	24.0	3.78	20.5		23.0		25.6				
90	27.2	3.36	23.0		25.9		28.8				
100	30.5	3.03	25.6		28.8		32.0				
125	37.2	2.42	32.0		36.0		40.0				
150	43.5	2.01	38.4		43.2		48.0				
<b>SM25×12.5×25</b>	13.2	15.50	6.4		100 {981}		7.2		112 {1098}	8.0	125 {1226}
30	13.5	13.02	7.7				8.6			9.6	
35	15.5	11.20	9.0	10.1		11.2					
40	16.8	9.76	10.2	11.5		12.8					
45	17.5	8.60	11.5	13.0		14.4					
50	18.8	7.81	12.8	14.4		16.0					
55	20.0	7.00	14.1	15.8		17.6					
60	21.1	6.51	15.4	17.3		19.2					
65	22.3	5.90	16.6	18.7		20.8					
70	23.5	5.58	17.9	20.2		22.4					
75	25.2	5.10	19.2	21.6		24.0					
80	27.5	4.88	20.5	23.0		25.6					
90	30.0	4.34	23.0	25.9		28.8					
100	34.0	3.90	25.6	28.8		32.0					
125	40.2	3.12	32.0	36.0	40.0						
150	47.0	2.60	38.4	43.2	48.0						
175	53.5	2.23	44.8	50.4	56.0						
<b>SM27×13.5×25</b>	14.5	18.10	6.4	117 {1147}	7.2	131 {1285}	8.0	146 {1431}			
30	15.5	15.20	7.7		8.6		9.6				
35	16.6	13.10	9.0		10.1		11.2				
40	17.4	11.40	10.2		11.5		12.8				
45	18.6	10.00	11.5		13.0		14.4				
50	19.5	9.12	12.8		14.4		16.0				
55	21.5	8.20	14.1		15.8		17.6				
60	23.2	7.60	15.4		17.3		19.2				
65	24.8	7.00	16.6		18.7		20.8				
70	26.3	6.51	17.9		20.2		22.4				
75	28.0	6.00	19.2		21.6		24.0				
80	29.2	5.70	20.5		23.0		25.6				
90	33.6	5.06	23.0		25.9		28.8				
100	38.0	4.56	25.6		28.8		32.0				
125	47.2	3.60	32.0	36.0	40.0						
150	56.0	3.04	38.4	43.2	48.0						
175	65.2	2.61	44.8	50.4	56.0						
<b>SM30×15×25</b>	16.5	22.30	6.4	144 {1412}	7.2	161 {1579}	8.0	180 {1765}			
30	18.1	18.75	7.7		8.6		9.6				
35	19.9	16.10	9.0		10.1		11.2				
40	21.5	14.06	10.2		11.5		12.8				
45	23.1	12.30	11.5		13.0		14.4				
50	24.7	11.25	12.8		14.4		16.0				
55	26.3	10.10	14.1		15.8		17.6				
60	27.9	9.37	15.4		17.3		19.2				
65	29.8	8.60	16.6		18.7		20.8				
70	31.9	8.03	17.9		20.2		22.4				
75	34.3	7.40	19.2		21.6		24.0				
80	36.7	70.3	20.5		23.0		25.6				
90	42.3	6.25	23.0		25.9		28.8				
100	46.3	5.62	25.6		28.8		32.0				
125	56.7	4.50	32.0	36.0	40.0						

1N=0.102kgf



注文方法: SM・8×10=100  
代号 规格, 外径, 长度, 条数

公制(日本)标准模具弹簧

Metric(japanese)standards molding springs

SM中荷重(红色) SM Lighter load(red)

荷重计算方式

弹簧刚度(kgf/mm)×F(压缩量)÷kgf(荷重) 例:代号SM6×10(30万回时)

刚度(kgf/mm)×F(压缩量)÷kgf(荷重)  
4.34×3.2=14.0

SM弹簧使用回数与压缩比的关系

种类\使用回数	10万回	50万回	30万回	最大压缩量
SM	自由长, 约25.6%	自由长, 约38.6%	自由长, 约23%	自由长, 约31%

弹簧尺寸价格表




单位: 元/条

规格(modle) 外径×内径×长度 D <sub>1</sub> ×D <sub>2</sub> ×L <sub>0</sub>	价格	刚度	压缩量 deflection 25.6% 1,000,000	压缩量 deflection 28.8% 500,000	压缩量 deflection 32% 300,000
mm	RMB	kgf/mm	φ/mm	φ/mm	φ/mm
SM6×3×10	5.5	3.12	2.5	2.8	3.2
	15	5.5	2.07	3.8	4.8
	20	5.5	1.55	5.1	6.2
	25	6.0	1.24	6.4	8.0
	30	7.0	1.03	7.7	9.6
	35	7.0	0.87	9.0	11.2
	40	7.5	0.77	10.2	12.8
	45	8.0	0.69	11.5	14.4
	50	8.5	0.62	12.8	16.0
	55	9.0	0.59	14.1	17.6
SM8×4×10	60	9.5	0.52	15.4	19.2
	15	4.8	2.90	3.8	4.8
	20	5.1	2.19	5.1	6.4
	25	5.6	1.80	6.4	8.0
	30	6.1	1.50	7.7	9.6
	35	6.6	1.29	9.0	11.2
	40	7.1	1.10	10.2	12.8
	45	7.6	0.97	11.5	14.4
	50	8.1	0.86	12.8	16.0
	55	8.6	0.80	14.1	17.6
SM10×5×20	60	9.1	0.73	15.4	19.2
	15	5.2	3.13	5.1	6.4
	25	5.6	2.50	6.4	8.0
	30	6.2	2.08	7.7	9.6
	35	6.8	1.78	9.0	11.2
	40	7.4	1.56	10.2	12.8
	45	8.0	1.38	11.5	14.4
	50	8.6	1.25	12.8	16.0
	55	9.2	1.13	14.1	17.6
	60	9.8	1.04	15.4	19.2
SM12×6×20	65	10.4	0.96	16.6	20.8
	70	11.0	0.89	17.9	22.4
	75	11.6	0.83	19.2	24.0
	80	12.2	0.78	20.5	25.6
	15	5.6	4.53	5.1	6.4
	25	6.2	3.62	6.4	8.0
	30	6.8	3.02	7.7	9.6
	35	7.4	2.58	9.0	11.2
	40	8.0	2.20	10.2	12.8
	45	8.6	2.01	11.5	14.4
SM16×8×20	50	9.2	1.81	12.8	16.0
	55	9.8	1.64	14.1	17.6
	60	10.4	1.51	15.4	19.2
	65	11.0	1.39	16.6	20.8
	70	11.6	1.29	17.9	22.4
	75	12.2	1.20	19.2	24.0
	80	12.8	1.13	20.5	25.6

1N=0.102kgf

彈簧尺寸價格表

單位：元/條

規格 (model) 外径×內徑×長度 $D_o \times D_i \times L_o$	價格	剛度	 壓縮量 deflection 25.6% 1,000,000	 壓縮量 deflection 28.8% 500,000	 壓縮量 deflection 32% 300,000
mm	RMB	kgf/mm	#/mm Kgf(N)	#/mm Kgf(N)	#/mm Kgf(N)
SM30×15×150	67.9	3.75	38.4	43.2	48.0
175	78.9	3.21	44.8	50.4	56.0
200	89.1	2.81	51.2	57.6	64.0
SM35×17.5×40	23.5	19.14	10.2	11.5	12.8
45	25.1	17.01	11.5	13.0	14.4
50	27.5	15.31	12.8	14.4	16.0
55	30.3	13.92	14.1	15.8	17.6
60	33.1	12.76	15.4	17.3	19.2
65	37.1	11.77	16.6	18.7	20.8
70	40.3	10.93	17.9	20.2	22.4
75	43.5	10.20	19.2	21.6	24.0
80	46.7	9.57	20.5	23.0	25.6
90	52.7	8.50	23.0	25.9	28.8
100	62.0	7.65	25.6	28.8	32.0
125	76.3	6.12	32.0	36.0	40.0
150	89.0	5.10	38.4	43.2	48.0
175	99.0	4.37	44.8	50.4	56.0
200	115.0	3.82	51.2	57.6	64.0
SM40×20×40	30.3	25.02	10.2	11.5	12.8
50	37.5	20.00	12.8	14.4	16.0
60	44.7	16.80	15.4	17.3	19.2
70	51.1	14.28	17.9	20.2	22.4
80	59.5	12.50	20.5	23.0	25.6
90	66.7	11.11	23.0	25.9	28.8
100	74.6	10.00	25.6	28.8	32.0
125	93.0	8.00	32.0	36.0	40.0
150	111.0	6.66	38.4	43.2	48.0
175	127.0	5.71	44.8	50.4	56.0
200	145.0	5.00	51.2	57.6	64.0
250	185.0	4.00	64.0	72.0	80.0
SM50×25×50	44.7	31.25	12.8	14.4	16.0
60	52.7	26.04	15.4	17.3	19.2
70	63.0	22.32	17.9	20.2	22.4
80	74.7	19.53	20.5	23.0	25.6
90	85.0	17.36	23.0	25.9	28.8
100	97.0	15.62	25.6	28.8	32.2
125	117.0	12.50	32.0	36.0	40.0
150	137.0	10.41	38.4	43.2	48.0
175	157.0	8.92	44.8	50.4	56.0
200	177.0	7.81	51.2	57.6	64.0
250	229.0	6.25	64.0	72.0	80.0
300	333.0	5.20	76.8	86.4	96.0
SM60×30×60	79.5	37.40	15.4	17.3	19.2
70	99.0	32.10	17.9	20.2	22.4
80	121.0	28.12	20.5	23.0	25.6
90	141.0	25.00	23.0	25.9	28.8
100	165.0	22.50	25.6	28.8	32.0
125	213.0	18.00	32.0	36.0	40.4
150	261.0	15.00	38.4	43.2	48.0
175	309.0	12.85	44.8	50.4	56.0
200	357.0	11.25	51.2	57.6	64.0
250	453.0	9.00	64.0	72.0	80.0
300	545.0	7.50	76.8	86.4	96.0