



弹簧/氮气弹簧

矩形弹簧

轻载荷弹簧 一蓝色一

新增



型号(①代码·②D) — ③L
LAWL10 — 55

■ 请按步骤①~③选择型号和参数后进行订购。



型号区分: ③ 天发货

LAWL



- ① 1kgf=9.81N
- ② 载荷 (±10%)
- ③ 载荷(N)=定数(N/mm)×压缩量
- ④ 直角度 (2°以下)
- ⑤ 耐热温度为150°C
- ⑥ 压紧长度为参考值, 加工时会有少许差异。
- ⑦ 弹簧颜色和圈数可能会因生产批次不同而异, 但产品性能均符合标准, 不影响使用!

代码	类型	材质		最大压缩量
		国标	相当	
LAWL	轻载荷型	60Si2CrA	SWOSC-V	L×40%

■ L尺寸公差

L	公差
50以下	±0.5
50以上	±1.0%

型号		内径	定数	a		使用方法					
① 代码	② D			N/mm	压紧长度	压缩量	30万次F=(L×40%) 载荷N	50万次F=(L×36%) 压缩量	载荷N	100万次F=(L×32%) 压缩量	载荷N
6	15	3	13.10	8.6	6.0	78	5.4	71	4.8	63	
	20		9.80	11.5	8.0		7.2		6.4		
	25		7.80	14.4	10.0		9.0		8.0		
	30		6.50	17.2	12.0		10.8		9.6		
	35		5.60	20.1	14.0		12.6		11.2		
	40		4.90	23.0	16.0		14.4		12.8		
	50	3.90	19.1	20.0	18	16					
	10	4	24.53	5.4	4.0	98.1	3.6	88.3	3.2	78.5	
	15		16.35	8.1	6.0		5.4		4.8		
	20		12.26	10.8	8.0		7.2		6.4		
25	9.81		13.5	10.0	9.0		8.0				
30	8.18		16.2	12.0	10.8		9.6				
35	7.01		18.9	14.0	12.6		11.2				
40	6.13		21.6	16.0	14.4		12.8				
45	5.45		24.3	18.0	16.2		14.4				
50	4.91		27.0	20.0	18.0		16.0				
55	4.46		29.7	22.0	19.8		17.6				
60	4.09		32.4	24.0	21.6		19.2				
65	3.77		35.1	26.0	23.4		20.8				
70	3.50		37.8	28.0	25.2		22.4				
75	3.30		43.2	30.0	27.0		24.0				
80	3.07	43.2	32.0	28.8	25.6						
90	2.72	35.1	36.0	32.4	28.8						
100	2.45	39.5	40.0	36.0	32.0						
LAWL	10	5	34.30	5.4	4.0	137	3.6	124	3.2	110	
	15		22.90	8.1	6.0		5.4		4.8		
	20		17.71	10.8	8.0		7.2		6.4		
	25		14.17	13.5	10.0		9.0		8.0		
	30		11.81	16.2	12.0		10.8		9.6		
	35		10.12	18.9	14.0		12.6		11.2		
	40		8.85	21.6	16.0		14.4		12.8		
	45		7.87	24.3	18.0		16.2		14.4		
	50		7.08	27.0	20.0		18.0		16.0		
	55		6.44	29.7	22.0		19.8		17.6		
60	5.90	32.4	24.0	21.6	19.2						
65	5.45	35.1	26.0	23.4	20.8						
70	5.06	37.8	28.0	25.2	22.4						
75	4.72	40.5	30.0	27.0	24.0						
80	4.72	43.2	32.0	28.8	25.6						
90	3.94	48.6	36.0	32.4	28.8						
100	3.42	38.5	40.0	36.0	32.0						
12	15	6	34.30	8.1	6.0	206.8	5.4	186.3	4.8	166.7	
	20		25.88	10.8	8.0		7.2		6.4		
	25		20.70	13.5	10.0		9.0		8.0		
	30		17.25	16.2	12.0		10.8		9.6		
	35		14.79	18.9	14.0		12.6		11.2		
	40		12.94	21.6	16.0		14.4		12.8		
	45		11.50	24.3	18.0		16.2		14.4		
	50		10.35	27.0	20.0		18.0		16.0		
	55		9.41	29.7	22.0		19.8		17.6		
	60		8.63	32.4	24.0		21.6		19.2		
65	7.96	35.1	26.0	23.4	20.8						
70	7.39	37.8	28.0	25.2	22.4						
75	6.90	40.5	30.0	27.0	24.0						
80	6.47	43.2	32.0	28.8	25.6						
90	5.75	48.6	36.0	32.4	28.8						
100	5.15	38.5	40.0	36.0	32.0						
14	20	7	34.30	10.8	8.0	275	7.2	245	6.4	216	
	25		27.22	13.5	10.0		9.0		8.0		
	30		22.69	16.2	12.0		10.8		9.6		
	35		19.44	18.9	14.0		12.6		11.2		
	40		17.01	21.6	16.0		14.4		12.8		
	45		15.12	24.3	18.0		16.2		14.4		



型号		内径	定数	a	使用方法							
①代码	②D	③L	d	N/mm	压缩长度	30万次F=(L×40%) 压缩量	50万次F=(L×36%) 压缩量	100万次F=(L×32%) 压缩量	30万次F=(L×40%) 载重N	50万次F=(L×36%) 载重N	100万次F=(L×32%) 载重N	
22	20	11	26.30	7.5	8.0	526	7.2	6.4	7.2	6.4	530	
	25		65.33	13.5	10.0		9.0	8.0	9.0	8.0		
	30		54.44	16.2	12.0		10.8	9.6	10.8	9.6		
	35		46.67	18.9	14.0		12.6	11.2	12.6	11.2		
	40		40.83	21.6	16.0		14.4	12.8	14.4	12.8		
	45		36.30	24.3	18.0		16.2	14.4	16.2	14.4		
	50		32.67	27.0	20.0		18.0	16.0	18.0	16.0		
	55		29.70	29.7	22.0		19.8	17.6	19.8	17.6		
	60		27.22	32.4	24.0		21.6	19.2	21.6	19.2		
	65		25.13	35.1	26.0		23.4	20.8	23.4	20.8		
	70		23.33	37.8	28.0		25.2	22.4	25.2	22.4		
	75		21.78	40.5	30.0		27.0	24.0	27.0	24.0		
	80		20.42	43.2	32.0		28.8	25.6	28.8	25.6		
	90		18.15	48.6	36.0		32.4	28.8	32.4	28.8		
	100		16.33	54.0	40.0		36.0	32.4	36.0	32.4		
	125		13.07	67.5	50.0		45.0	40.0	45.0	40.0		
	150		10.89	81.0	60.0		54.0	48.0	54.0	48.0		
	20*		10.30	7.5	8.0		7.2	6.4	7.2	6.4		
	25		82.78	13.5	10.0		9.0	8.0	9.0	8.0		
	30		68.98	16.2	12.0		10.8	9.6	10.8	9.6		
35		59.13	18.9	14.0		12.6	11.2	12.6	11.2			
40		51.74	21.6	16.0		14.4	12.8	14.4	12.8			
45		45.99	24.3	18.0		16.2	14.4	16.2	14.4			
50		41.39	27.0	20.0		18.0	16.0	18.0	16.0			
55		37.63	29.7	22.0		19.8	17.6	19.8	17.6			
60		34.49	32.4	24.0		21.6	19.2	21.6	19.2			
65	12.5	31.84	35.1	26.0	824	23.4	20.8	23.4	20.8	657		
70		29.56	37.8	28.0		25.2	22.4	25.2	22.4			
75		27.59	40.5	30.0		27.0	24.0	27.0	24.0			
80		25.87	43.2	32.0		28.8	25.6	28.8	25.6			
90		22.99	48.6	36.0		32.4	28.8	32.4	28.8			
100		20.69	54.0	40.0		36.0	32.4	36.0	32.4			
125		16.56	67.5	50.0		45.0	40.0	45.0	40.0			
150		13.80	81.0	60.0		54.0	48.0	54.0	48.0			
175		11.83	94.5	70.0		63.0	56.0	63.0	56.0			
200		10.35	108.0	80.0		72.0	64.0	72.0	64.0			
27	25	13.5	98.11	13.5	10.0		9.0	8.0	9.0	8.0		
	30		81.76	16.2	12.0		10.8	9.6	10.8	9.6		
	35		70.08	18.9	14.0		12.6	11.2	12.6	11.2		
	40		61.32	21.6	16.0		14.4	12.8	14.4	12.8		
	45		54.51	24.3	18.0		16.2	14.4	16.2	14.4		
	50		49.06	27.0	20.0		18.0	16.0	18.0	16.0		
	55		44.60	29.7	22.0		19.8	17.6	19.8	17.6		
	60		40.88	32.4	24.0		21.6	19.2	21.6	19.2		
	65	13.5	37.74	35.1	26.0	981	23.4	20.8	23.4	20.8	785	
	70		35.04	37.8	28.0		25.2	22.4	25.2	22.4		
	75		32.70	40.5	30.0		27.0	24.0	27.0	24.0		
	80		30.66	43.2	32.0		28.8	25.6	28.8	25.6		
	90		27.25	48.6	36.0		32.4	28.8	32.4	28.8		
	100		24.53	54.0	40.0		36.0	32.4	36.0	32.4		
	125		19.62	67.5	50.0		45.0	40.0	45.0	40.0		
	150		16.35	81.0	60.0		54.0	48.0	54.0	48.0		
	175		14.02	94.5	70.0		63.0	56.0	63.0	56.0		
	200		12.26	108.0	80.0		72.0	64.0	72.0	64.0		
	30	25	15	118.78	13.5	10.0		9.0	8.0	9.0	8.0	
		30		98.98	16.2	12.0		10.8	9.6	10.8	9.6	
35			84.84	18.9	14.0		12.6	11.2	12.6	11.2		
40			74.24	21.6	16.0		14.4	12.8	14.4	12.8		
45			65.99	24.3	18.0		16.2	14.4	16.2	14.4		
50			59.39	27.0	20.0		18.0	16.0	18.0	16.0		
55			53.99	29.7	22.0		19.8	17.6	19.8	17.6		
60			49.49	32.4	24.0		21.6	19.2	21.6	19.2		
65			45.68	35.1	26.0		23.4	20.8	23.4	20.8		
70			42.42	37.8	28.0		25.2	22.4	25.2	22.4		
75			39.59	40.5	30.0		27.0	24.0	27.0	24.0		
80			37.12	43.2	32.0		28.8	25.6	28.8	25.6		
90			32.99	48.6	36.0		32.4	28.8	32.4	28.8		
100			29.69	54.0	40.0		36.0	32.4	36.0	32.4		
125			23.76	67.5	50.0		45.0	40.0	45.0	40.0		
150			19.80	81.0	60.0		54.0	48.0	54.0	48.0		
175			16.97	94.5	70.0		63.0	56.0	63.0	56.0		
200			14.85	108.0	80.0		72.0	64.0	72.0	64.0		
30			65.41	16.2	12.0		10.8	9.6	10.8	9.6		
35			56.06	18.9	14.0		12.6	11.2	12.6	11.2		
40		49.06	21.6	16.0		14.4	12.8	14.4	12.8			
45		43.60	24.3	18.0		16.2	14.4	16.2	14.4			
50		39.24	27.0	20.0		18.0	16.0	18.0	16.0			
55		35.68	29.7	22.0		19.8	17.6	19.8	17.6			
60		32.70	32.4	24.0		21.6	19.2	21.6	19.2			
65	16	30.19	35.1	26.0	785	23.4	20.8	23.4	20.8	627		
70		28.03	37.8	28.0		25.2	22.4	25.2	22.4			
75		26.16	40.5	30.0		27.0	24.0	27.0	24.0			
80		24.53	43.2	32.0		28.8	25.6	28.8	25.6			
90		21.80	48.6	36.0		32.4	28.8	32.4	28.8			
100		19.62	54.0	40.0		36.0	32.4	36.0	32.4			
125		15.70	67.5	50.0		45.0	40.0	45.0	40.0			
150		13.80	81.0	60.0		54.0	48.0	54.0	48.0			
35	40	17.5	101.46	21.6	16.0		14.4	12.8	14.4	12.8		
	45		90.19	24.3	18.0		16.2	14.4	16.2	14.4		
	50		81.17	27.0	20.0		18.0	16.0	18.0	16.0		
	55		73.79	29.7	22.0		19.8	17.6	19.8	17.6		
	60		67.64	32.4	24.0		21.6	19.2	21.6	19.2		
	65		62.44	35.1	26.0	1627	23.4	20.8	23.4	20.8	1295	
	70		57.98	37.8	28.0		25.2	22.4	25.2	22.4		
	75		54.11	40.5	30.0		27.0	24.0	27.0	24.0		
	80		50.73	43.2	32.0		28.8	25.6	28.8	25.6		
	90		45.09	48.6	36.0		32.4	28.8	32.4	28.8		
100		40.58	54.0	40.0		36.0	32.4	36.0	32.4			

型号			内径	定数	a	使用方法					
①代码	②D	③L	d	N/mm	压缩长度	30万次F=(L×40%) 压缩量	50万次F=(L×36%) 压缩量	100万次F=(L×32%) 压缩量	30万次F=(L×40%) 载重N	50万次F=(L×36%) 载重N	100万次F=(L×32%) 载重N
22	125		17.5	32.47	67.5	50.0	45.0	40.0	1627	1461	1295
	150	27.06		81.0	60.0	54.0	48.0				
	175	23.19		94.5	70.0	63.0	56.0				
	200	20.29		108.0	80.0	72.0	64.0				
	40	52.95		21.6	16.0	14.4	12.8				
	45	47.07	24.3	18.0	16.2	14.4	847	762	677		
	50	42.63	27.0	20.0	18.0	16.0					
	55	38.51	29.7	22.0	19.8	17.6					
	60	35.30	32.4	24.0	21.6	19.2					
	65	32.58	35.1	26.0	23.4	20.8					
	70	30.26	37.8	28.0	25.2	22.4					
	75	28.24	40.5	30.0	27.0	24.0					
	80	26.48	43.2	32.0	28.8	25.6					
	90	23.53	48.6	36.0	32.4	28.8					
	100	21.18	54.0	40.0	36.0	32.4					
125	16.94	67.5	50.0	45.0	40.0	2120	1903	1697			
150	14.12	81.0	60.0	54.0	48.0						
175	12.10	94.5	70.0	63.0	56.0						
200	10.59	108.0	80.0	72.0	64.0						
40	132.15	21.6	16.0	14.4	12.8						
45	117.47	25.8	18.0	16.2	14.4						
50	105.72	27.0	20.0	18.0	16.0						
55	96.11	31.6	22.0	19.8	17.6						
60	88.10	32.4	24.0	21.6	19.2						
65	81.32	37.3	26.0	23.4	20.8						
70	75.52	37.8	28.0	25.2	22.4						
75	70.48	43.1	30.0	27.0	24.0						
80	66.08	45.9	32.0	28.8	25.6						
90	58.73	48.6	36.0	32.4	28.8						
100	52.86	54.0	40.0	36.0	32.4						
125	42.29	67.5	50.0	45.0	40.0	1697	1527	1358			
150	35.24	81.0	60.0	54.0	48.0						
175	30.21	94.5	70.0	63.0	56.0						
200	26.43	108.0	80.0	72.0	64.0						
225	23.49	121.5	90.0	81.0	42.0						
250	21.14	135.0	100.0	90.0	80.0						
275	19.22	148.5	110.0	99.0	88.0						
300	17.62	172.2	120.0	108.0	96.0						
50	84.85	27.0	20.0	18.0	16.0						
60	70.71	32.4	28.0	25.2	22.4						
70	60.61	37.8	30.0	27.0	24.0						
80	53.03	43.2	32.0	28.8	25.6						
90	47.14	48.6	36.0	32.4	28.8						
100	42.43	54.0	40.0	36.0	32.4						
125	33.94	67.5	50.0	45.0	40.0						
150	28.28	81.0	60.0	54.0	48.0						
175	24.24	94.5	70.0	63.0	56.0						
200	21.21	108.0	80.0	72.0	64.0						
250	16.97	135.0	90.0	81.0	42.0						
25	60	137.96	32.4	24.0	21.6	19.2					
	65	127.35	35.1	26.0	23.4	20.8					
	70	118.25	37.8	28.0	25.2	22.4					
	75	110.37	40.5	30.0	27.0	24.0					
	80	103.47	43.2	32.0	28.8	25.6					
	90	91.98	48.6	36.0	32.4	28.8					
	100	82.78	54.0	40.0	36.0	32.0					
	125	66.22	67.5	50.0	45.0	40.0					
	150	55.19	81.0	60.0	54.0	48.0					
	175	47.30	94.5	70.0	63.0	56.0					
	200	41.39	108.0	80.0	72.0	64.0					
	225	36.79	122.0	90.0	81.0	72.0					
	250	33.11	135.0	100.0	90.0	80.0					
	275	30.10	149.0	110.0	99.0	88.0					
	300	27.59	172.2	120.0	108.0	96.0					
30	350	23.65	200.9	140.0	126.0	112.0					
	400	20.69	216.0	160.0	140.0	128.0					
	450	18.40	243.0	180.0	162.0	144.0					
	500	16.56	270.0	200.0	180.0	160.0					
	60	198.61	32.4	24.0	21.6	19.2					
	70	170.24	37.8	28.0	25.2	22.4					
	80	148.96	43.2	32.0	28.8	25.6					
	90	132.41	48.6	36.0	32.4	28.8					
	100	118.17	54.0	40.0	36.0	32.0					
	125	95.33	67.5	50.0	45.0	40.0					
	150	79.44	81.0	60.0	54.0	48.0					
	175	68.10	94.5	70.0	63.0	56.0					
	200	59.58	108.0	80.0	72.0	64.0					
	225	52.96	122.0	90.0	81.0	72.0					
	35	250	47.67	135.0	100.0	90.0	80.0				
275		43.33	149.0	110.0	99.0	88.0					
300		39.72	172.2	120.0	108.0	96.0					
350		34.05	200.9	140.0	126.0	112.0					
400		29.79	216.0	160.0	140.0	128.0					
450		26.48	243.0	180.0	162.0	144.0					
500		23.58	270.0	200.0	180.0	160.0					
70		271.86	40.2	28.0	25.2	22.4					
80		190.63	45.9	32.0	28.8	25.6					
90		169.44	51.7	36.0	32.4	28.8					
100		152.50	57.4	40.0	36.0	32.0					
125		122.00	71.8	50.0	45.0	40.0					
150		101.67	86.1	60.0	54.0	48.0					
175		87.14	100.5	70.0	63.0	56.0					
200		76.25	114.8	80.0	72.0	64.0					
225	67.78	129.2	90.0	81.0	72.0						
250	61.00	143.5	100.0	90.0	80.0						
275	55.45	157.9	110.0	99.0	88.0						
300	50.83	172.2	120.0	108.0	96.0						
350	43.57	200.9	140.0	126.0	112.0						
40	70	271.86	40.2	28.0	25.2	22.4					
	80	190.63	45.9	32.0	28.8	25.6					
	90	169.44	51.7	36.0	32.4	28.8					
	100	152.50	57.4	40.0	36.0	32.0					
	125	122.00	71.8	50.0	45.0	40.0					
	150	101.67	86.1	60.0	54.0	48.0					
	175	87.14	100.5	70.0	63.0	56.0					
	200	76.25	114.8	80.0	72.0	64.0					
	225	67.78	129.2	90.0	81.0	72.0					
	250	61.00	143.5	100.0	90.0	80.0					
	275	55.45	157.9	110.0	99.0	88.0					
	300	50.83	172.2	120.0	108.0	96.0					
	350	43.57	200.9	140.0	126.0	112.0					
	45	70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
90		169.44	51.7	36.0	32.4	28.8					
100		152.50	57.4	40.0	36.0	32.0					
125		122.00	71.8	50.0	45.0	40.0					
150		101.67	86.1	60.0	54.0	48.0					
175		87.14	100.5	70.0	63.0	56.0					
200		76.25	114.8	80.0	72.0	64.0					
225		67.78	129.2	90.0	81.0	72.0					
250		61.00	143.5	100.0	90.0	80.0					
275		55.45	157.9	110.0	99.0	88.0					
300		50.83	172.2	120.0	108.0	96.0					
350		43.57	200.9	140.0	126.0	112.0					
50		70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
	90	169.44	51.7	36.0	32.4	28.8					
	100	152.50	57.4	40.0	36.0	32.0					
	125	122.00	71.8	50.0	45.0	40.0					
	150	101.67	86.1	60.0	54.0	48.0					
	175	87.14	100.5	70.0	63.0	56.0					
	200	76.25	114.8	80.0	72.0	64.0					
	225	67.78	129.2	90.0	81.0	72.0					
	250	61.00	143.5	100.0	90.0	80.0					
	275	55.45	157.9	110.0	99.0	88.0					
	300	50.83	172.2	120.0	108.0	96.0					
	350	43.57	200.9	140.0	126.0	112.0					
	55	70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
90		169.44	51.7	36.0	32.4	28.8					
100		152.50	57.4	40.0	36.0	32.0					
125		122.00	71.8	50.0	45.0	40.0					
150		101.67	86.1	60.0	54.0	48.0					
175		87.14	100.5	70.0	63.0	56.0					
200		76.25	114.8	80.0	72.0	64.0					
225		67.78	129.2	90.0	81.0	72.0					
250		61.00	143.5	100.0	90.0	80.0					
275		55.45	157.9	110.0	99.0	88.0					
300		50.83	172.2	120.0	108.0	96.0					
350		43.57	200.9	140.0	126.0	112.0					
60		70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
	90	169.44	51.7	36.0	32.4	28.8					
	100	152.50	57.4	40.0	36.0	32.0					
	125	122.00	71.8	50.0	45.0	40.0					
	150	101.67	86.1	60.0	54.0	48.0					
	175	87.14	100.5	70.0	63.0	56.0					
	200	76.25	114.8	80.0	72.0	64.0					
	225	67.78	129.2	90.0	81.0	72.0					
	250	61.00	143.5	100.0	90.0	80.0					
	275	55.45	157.9	110.0	99.0	88.0					
	300	50.83	172.2	120.0	108.0	96.0					
	350	43.57	200.9	140.0	126.0	112.0					
	70	70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
90		169.44	51.7	36.0	32.4	28.8					
100		152.50	57.4	40.0	36.0	32.0					
125		122.00	71.8	50.0	45.0	40.0					
150		101.67	86.1	60.0	54.0	48.0					
175		87.14	100.5	70.0	63.0	56.0					
200		76.25	114.8	80.0	72.0	64.0					
225		67.78	129.2	90.0	81.0	72.0					
250		61.00	143.5	100.0	90.0	80.0					
275		55.45	157.9	110.0	99.0	88.0					
300		50.83	172.2	120.0	108.0	96.0					
350		43.57	200.9	140.0	126.0	112.0					
80		70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
	90	169.44	51.7	36.0	32.4	28.8					
	100	152.50	57.4	40.0	36.0	32.0					
	125	122.00	71.8	50.0	45.0	40.0					
	150	101.67	86.1	60.0	54.0	48.0					
	175	87.14	100.5	70.0	63.0	56.0					
	200	76.25	114.8	80.0	72.0	64.0					
	225	67.78	129.2	90.0	81.0	72.0					
	250	61.00	143.5	100.0	90.0	80.0					
	275	55.45	157.9	110.0	99.0	88.0					
	300	50.83	172.2	120.0	108.0	96.0					
	350	43.57	200.9	140.0	126.0	112.0					
	90	70	271.86	40.2	28.0	25.2	22.4				
		80	190.63	45.9	32.0	28.8	25.6				
90		169.44	51.7	36.0	32.4	28.8					
100		152.50	57.4	40.0	36.0	32.0					
125		122.00	71.8	50.0	45.0	40.0					
150		101.67	86.1	60.0	54.0	48.0					
175		87.14	100.5	70.0	63.0	56.0					
200		76.25	114.8	80.0	72.0	64.0					
225		67.78	129.2	90.0	81.0	72.0					
250		61.00	143.5	100.0	90.0	80.0					
275		55.45	157.9	110.0	99.0	88.0					
300		50.83	172.2	120.0	108.0	96.0					
350		43.57	20								