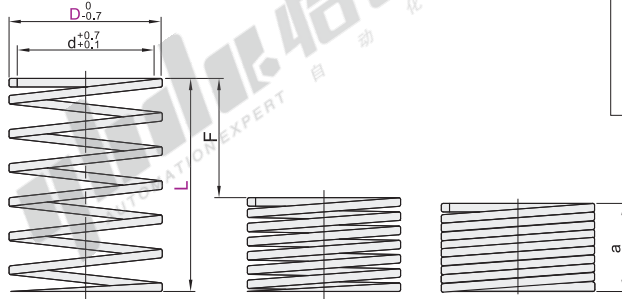


代码	类型	材质		最大压缩量
		国标	相当	
YSWH	重载荷型	标准型	60Si2CrA	L×24%
J-YSWH		精密型	SWOSC-V	

□ L尺寸公差

L	公差
50以下	±0.5
50以上	±1.0%

- ① 载荷(±10%)
- ② 直角度(2°以下)
- ③ 载荷(N)=定数(N/mm)×压缩量
- ④ 耐热温度为150°C
- ⑤ 1kgf=9.81N
- ⑥ 压紧长度为参考值,制作时会有少许差异。
- 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!



视角标准: 第一视角

型号		内径 d	弹簧常数 N/mm	a	使用方法						型号	内径 d	弹簧常数 N/mm	a	使用方法					
代码	D L				30万次F=L×24% 压紧长度 Fmm	50万次F=L×21.6% 负载N	100万次F=L×19.2% 负载N	30万次F=L×24% Fmm	50万次F=L×21.6% 负载N	100万次F=L×19.2% 负载N					代码	D L	30万次F=L×24% 压紧长度 Fmm	50万次F=L×21.6% 负载N	100万次F=L×19.2% 负载N	30万次F=L×24% Fmm
6	15*	38.10	11.0	3.6	3.2	2.9	2.9	14	60	40.12	43.2	14.4	13.0	11.5						
	20*	28.60	14.7	4.8	4.3	3.8	3.8	70	34.39	50.4	16.8	14.0	12.5							
	25*	22.90	18.4	6.0	5.4	4.8	4.8	80	32.10	54.0	18.0	15.1	13.4							
	30*	19.10	22.0	7.2	6.5	5.8	5.8	90	30.09	57.6	19.2	16.2	14.4							
	35*	16.30	25.7	8.4	7.6	6.7	6.7	100	26.75	64.8	21.6	17.3	15.4							
	40*	14.30	29.4	9.6	8.6	7.7	7.7	125*	24.07	72.0	24.0	19.4	17.3							
	45*	12.70	33.0	10.8	9.7	8.6	8.6	20*	19.30	28.5	30.0	27.0	24.0							
	50*	11.40	36.7	12.0	10.8	9.6	9.6	25	157.00	14.8	4.8	4.3	3.8							
	55*	10.40	40.4	13.2	11.9	10.6	10.6	30	125.37	18.0	6.0	5.4	4.8							
	60*	9.50	44.0	14.4	13.0	11.5	11.5	35	104.48	21.6	7.2	6.5	5.8							
	10	86.25	7.2	2.4	2.2	1.9	1.9	40	89.55	25.2	8.4	7.6	6.7							
	15	57.50	10.8	3.6	3.2	2.9	2.9	45	78.36	28.8	9.6	8.6	7.7							
20	43.13	14.4	4.8	4.3	3.8	3.8	50	69.65	32.4	10.8	9.7	8.6								
25	34.50	18.0	6.0	5.4	4.8	4.8	55	62.69	36.0	12.0	10.8	9.6								
30	28.75	21.6	7.2	6.5	5.8	5.8	60	56.99	39.6	13.2	11.9	10.6								
35	24.64	25.2	8.4	7.6	6.7	6.7	65	52.24	43.2	14.4	13.0	11.5								
40	21.56	28.8	9.6	8.6	7.7	7.7	70	48.22	46.8	15.6	14.0	12.5								
45	19.17	32.4	10.8	9.7	8.6	8.6	75	44.78	50.4	16.8	15.1	13.4								
50	17.25	36.0	12.0	10.8	9.6	9.6	80	41.79	54.0	18.0	16.2	14.4								
55	15.68	39.6	13.2	11.9	10.6	10.6	85	39.18	57.6	19.2	17.3	15.4								
60	14.38	43.2	14.4	13.0	11.5	11.5	90	34.83	64.8	21.6	19.4	17.3								
65	13.27	47.7	15.6	14.0	12.5	12.5	100	31.34	72.0	24.0	21.6	19.2								
70	12.32	51.4	16.8	15.1	13.4	13.4	125*	25.07	90.0	30.0	27.0	24.0								
75	11.50	55.1	18.0	16.2	14.4	14.4	20*	198.00	14.6	4.8	4.3	3.8								
80	10.70	58.6	19.1	17.2	15.4	15.4	25	157.96	18.0	6.0	5.4	4.8								
10*	123.00	7.5	2.4	2.2	1.9	1.9	30	131.64	21.6	7.2	6.5	5.8								
15*	81.70	11.1	3.6	3.2	2.9	2.9	35	112.83	25.2	8.4	7.6	6.7								
20	61.34	14.4	4.8	4.3	3.8	3.8	40	98.73	28.8	9.6	8.6	7.7								
25	49.07	18.0	6.0	5.4	4.8	4.8	45	87.76	32.4	10.8	9.7	8.6								
30	40.90	21.6	7.2	6.5	5.8	5.8	50	78.98	36.0	12.0	10.8	9.6								
35	35.05	25.2	8.4	7.6	6.7	6.7	55	71.80	39.6	13.2	11.9	10.6								
40	30.67	28.8	9.6	8.6	7.7	7.7	60	65.82	43.2	14.4	13.0	11.5								
45	27.26	32.4	10.8	9.7	8.6	8.6	65	60.75	46.8	15.6	14.0	12.5								
50	24.54	36.0	12.0	10.8	9.6	9.6	70	56.42	50.4	16.8	15.1	13.4								
55	22.31	39.6	13.2	11.9	10.6	10.6	75	52.65	54.0	18.0	16.2	14.4								
60	20.45	43.2	14.4	13.0	11.5	11.5	80	49.36	57.6	19.2	17.3	15.4								
65	18.87	46.8	15.6	14.0	12.5	12.5	85	43.88	64.8	21.6	19.4	17.3								
70	17.53	50.4	16.8	15.1	13.4	13.4	90	39.49	72.0	24.0	21.6	19.2								
75	16.36	54.0	18.0	16.2	14.4	14.4	100	31.59	90.0	30.0	27.0	24.0								
80	15.34	57.6	19.2	17.3	15.4	15.4	125*	24.50	14.6	4.8	4.3	3.8								
90	13.63	64.8	21.6	19.4	17.3	17.3	20*	196.11	18.0	6.0	5.4	4.8								
15*	117.00	11.1	3.6	3.2	2.9	2.9	25	163.43	21.6	7.2	6.5	5.8								
20	86.34	14.4	4.8	4.3	3.8	3.8	30	140.08	25.2	8.4	7.6	6.7								
25	69.07	18.0	6.0	5.4	4.8	4.8	35	122.57	28.8	9.6	8.6	7.7								
30	57.56	21.6	7.2	6.5	5.8	5.8	40	108.95	32.4	10.8	9.7	8.6								
35	49.34	25.2	8.4	7.6	6.7	6.7	45	98.06	36.0	12.0	10.8	9.6								
40	43.17	28.8	9.6	8.6	7.7	7.7	50	89.14	39.6	13.2	11.9	10.6								
45	38.37	32.4	10.8	9.7	8.6	8.6	55	81.71	43.2	14.4	13.0	11.5								
50	34.54	36.0	12.0	10.8	9.6	9.6	60	75.43	46.8	15.6	14.0	12.5								
55	31.40	39.6	13.2	11.9	10.6	10.6	65	70.04	50.4	16.8	15.1	13.4								
60	28.78	43.2	14.4	13.0	11.5	11.5	70	61.28	57.6	19.2	17.3	15.4								
65	26.57	46.8	15.6	14.0	12.5	12.5	75	54.48	64.8	21.6	19.4	17.3								
70	24.67	50.4	16.8	15.1	13.4	13.4	80	49.03	72.0	24.0	21.6	19.2								
75	23.02	54.0	18.0	16.2	14.4	14.4	85	29.22	90.0	30.0	27.0	24.0								
80	21.59	57.6	19.2	17.3	15.4	15.4	90	23.61	18.0	6.0	5.4	4.8								
90	19.19	64.8	21.6	19.4	17.3	17.3	100	196.76	21.6	7.2	6.5	5.8								
20*	120.00	14.6	4.8	4.3	3.8	3.8	125*	168.65	25.2	8.4	7.6	6.7								
25	96.30	18.0	6.0	5.4	4.8	4.8	150	147.57	28.8	9.6	8.6	7.7								
30	80.25	21.6	7.2	6.5	5.8	5.8	20*	131.17	32.4	10.8	9.7	8.6								
35	68.78	25.2	8.4	7.6	6.7	6.7	25	118.06	36.0	12.0	10.8	9.6								
40	60.19	28.8	9.6	8.6	7.7	7.7	30													
45	53.50	32.4	10.8	9.7	8.6	8.6	35													
50	48.15	36.0	12.0	10.8	9.6	9.6	40													
55	43.77	39.6	13.2	11.9	10.6	10.6	45													

□ 带*号仅适用标准型。

矩形弹簧

重载荷弹簧(绿色)

型号		内径		弹簧常数 N/mm	a 压紧长度 Fmm	使用方法						型号		内径		弹簧常数 N/mm	a 压紧长度 Fmm	使用方法					
代码	D	L	d			30万次F=L×24%	50万次F=L×21.6%	100万次F=L×19.2%	代码	D	L	d	30万次F=L×24%	50万次F=L×21.6%	100万次F=L×19.2%			代码	D	L	d	30万次F=L×24%	50万次F=L×21.6%
22	55			107.32	39.6	13.2		11.9		10.6	40	40			490.00	28.7	9.6		8.6		7.7		
	60			98.38	43.2	14.4		13.0		11.5		45			436.21	33.0	10.8		9.7		8.6		
	65			90.81	46.8	15.6		14.0		12.5		50			392.59	36.0	12.0		10.8		9.6		
	70			84.33	50.4	16.8		15.1		13.4		55			356.90	40.4	13.2		11.9		10.6		
	75			78.70	54.0	18.0		16.2		14.4		60			327.16	43.2	14.4		13.0		11.5		
	80			73.78	57.6	19.2	1422	17.3	1275	15.4		1138	65			301.99	47.7	15.6		14.0		12.5	
	90			65.59	64.8	21.6		19.4		17.3		70			280.42	50.4	16.8		15.1		13.4		
	100			59.03	72.0	24.0		21.6		19.2		75			261.73	55.1	18.0		16.2		14.4		
	125			47.22	90.0	30.0		27.0		24.0		80			245.37	57.6	19.2		17.3		15.4		
	150			39.35	108.0	36.0		32.4		28.8		90			218.11	64.8	21.6	4710	19.4	4240	17.3	3770	
20*			382.10	4.5	4.8		4.32		3.84	100			196.30	72.0	24.0		21.6		19.2				
25			306.85	18.0	6.0		5.4		4.8	125			157.04	90.0	30.0		27.0		24.0				
30			255.71	21.6	7.2		6.5		5.8	150			130.86	108.0	36.0		32.4		28.8				
35			219.18	25.2	8.4		7.6		6.7	175			112.17	126.0	42.0		37.8		33.6				
40			191.78	28.8	9.6		8.6		7.7	200			98.15	144.0	48.0		43.2		38.4				
45			170.47	32.4	10.8		9.7		8.6	225			87.24	162.0	54.0		48.6		43.2				
50			153.43	36.0	12.0		10.8		9.6	250			78.52	180.0	60.0		54.0		48.0				
55			139.48	39.6	13.2		11.9		10.6	275			71.38	198.0	66.0		59.4		52.8				
60			127.85	43.2	14.4		13.0		11.5	300			65.43	220.2	72.0		64.8		57.6				
65			118.02	46.8	15.6	1834	14.0	1657	12.5	1471	50			612.96	36.0	12.0		10.8		9.6			
70			109.59	50.4	16.8		15.1		13.4	55			557.24	39.6	13.2		11.9		10.6				
75			102.28	54.4	18.0		16.2		14.4	60			510.80	43.2	14.4		13.0		11.5				
80			95.89	57.6	19.2		17.3		15.4	65			471.51	46.8	15.6		14.0		12.5				
90			85.24	64.8	21.6		19.4		17.3	70			437.83	50.4	16.8		15.1		13.4				
100			76.71	72.0	24.0		21.6		19.2	75			406.64	54.0	18.0		16.2		14.4				
125			61.37	90.0	30.0		27.0		24.0	80			383.10	57.6	19.2		17.3		15.4				
150			51.14	108.0	36.0		32.4		28.8	90			340.53	64.8	21.6		19.4		17.3				
175			43.84	126.0	42.0		37.8		33.6	100			306.48	72.0	24.0	7360	21.6	6620	19.2	5880			
200			38.36	144.0	48.0		43.2		38.4	125			245.19	90.0	30.0		27.0		24.0				
25			357.78	18.0	6.0		5.4		4.8	150			204.32	108.0	36.0		32.4		28.8				
30			298.15	21.6	7.2		6.5		5.8	175			175.13	126.0	42.0		37.8		33.6				
35			255.56	25.2	8.4		7.6		6.7	200			153.24	144.0	48.0		43.2		38.4				
40			223.61	28.8	9.6		8.6		7.7	225			136.21	162.0	54.0		48.6		43.2				
45			198.77	32.4	10.8		9.7		8.6	250			112.59	180.0	60.0		54.0		48.0				
50			178.89	36.0	12.0		10.8		9.6	275			111.45	198.0	66.0		59.4		52.8				
55			162.63	39.6	13.2		11.9		10.6	300			102.16	216.0	72.0		64.8		57.6				
60			149.07	43.2	14.4		13.0		11.5	350			87.57	256.9	84.0		75.6		67.2				
65			137.61	46.8	15.6		14.0		12.5	60			736.11	43.2	14.4		13.0		11.5				
70			127.78	50.4	16.8	2150	15.1	1932	13.4	1716	70			630.95	50.4	16.8		15.1		13.4			
75			119.26	54.0	18.0		16.2		14.4	80			552.08	57.6	19.2		17.3		15.4				
80			111.81	57.6	19.2		17.3		15.4	90			490.74	64.8	21.6		19.4		17.3				
90			99.38	64.8	21.6		19.4		17.3	100			441.67	72.0	24.0		21.6		19.2				
100			89.44	72.0	24.0		21.6		19.2	125			353.33	90.0	30.0		27.0		24.0				
125			71.56	90.0	30.0		27.0		24.0	150			294.44	108.0	36.0	10590	32.4	9540	28.8	8470			
150			59.63	108.0	36.0		32.4		28.8	175			252.38	126.0	42.0		37.8		33.6				
175			51.11	126.0	42.0		37.8		33.6	200			220.83	144.0	48.0		43.2		38.4				
200			44.72	144.0	48.0		43.2		38.4	225			196.30	162.0	54.0		48.6		43.2				
25			440.74	18.0	6.0		5.4		4.8	250			176.67	180.0	60.0		54.0		48.0				
30			367.28	21.6	7.2		6.5		5.8	275			160.61	198.0	66.0		59.4		52.8				
35			314.81	25.2	8.4		7.6		6.7	300			147.22	216.0	72.0		64.8		57.6				
40			275.46	28.8	9.6		8.6		7.7	350			126.19	252.0	84.0		75.6		67.2				
45			244.86	32.4	10.8		9.7		8.6	70			773.81	51.4	16.8		15.1		13.4				
50			220.37	36.0	12.0		10.8		9.6	80			677.08	58.7	19.2		17.3		15.4				
55			200.34	39.6	13.2		11.9		10.6	90			601.85	66.1	21.6		19.4		17.3				
60			183.64	43.2	14.4		13.0		11.5	100			541.67	72.0	24.0		21.6		19.2				
65			169.52	46.8	15.6		14.0		12.5	125			433.33	90.0	30.0		27.0		24.0				
70			157.41	50.4	16.8	2648	15.1	2380	13.4	2120	150			361.11	108.0	36.0		32.4		28.8			
75			146.91	54.0	18.0		16.2		14.4	175			309.52	126.0	42.0	12557	37.8	11301	33.6	10046			
80			137.73	57.6	19.2		17.3		15.4	200			270.83	144.0	48.0		43.2		38.4				
90			122.43	64.8	21.6		19.4		17.3	225			240.74	162.0	54.0		48.6		43.2				
100			110.19	72.0	24.0		21.6		19.2	250			216.67	180.0	60.0		54.0		48.0				
125			88.15	90.0	30.0		27.0		24.0	275			196.97	198.0	66.0		59.4		52.8				
150			73.46	108.0	36.0		32.4		28.8	300			174.00	216.0	72.0		64.7		57.5				
175			62.96	126.0	42.0		37.8		33.6	350			149.00	252.0	84.0		75.5		67.1				
200			55.09	144.0	48.0		43.2		38.4														
40			375.00	28.8	9.6		8.6		7.7														
45			333.33	32.4	10.8		9.7		8.6														
50			300.00	36.0	12.0		10.8		9.6														
55			272.73	39.6	13.2		11.9		10.6														
60			250.00	43.2	14.4		13.0		11.5														
65			230.77	46.8	15.6		14.0		12.5														
70			214.29	50.4	16.8	</																	