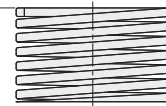
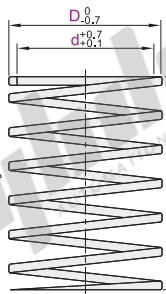


代码	类型	涂装剥离处理	材质	最大压缩量
YSWL	轻载荷型	标准型	油冷回火弹簧钢	L×40%
YSWL-N		有涂装		
J-YSWL		无涂装		
	精密型	有涂装		

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℃
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!
⑧ 对矩形螺旋弹簧进行喷丸处理, 以剥离其表面涂装。
⑨ 经涂装剥离处理后的弹簧非常容易生锈, 因此, 请在使用时充分注意。弹簧会因生锈而导致早期损坏。
⑩ 与普通的涂装产品相比, 其负载可能会因批次而异。



视角标准: 第一视角

型号			内径	弹簧常数 N/mm	a	使用方法					
代码	D	L	d		压紧长度 Fmm	30万次F=L×40% 负载N	50万次F=L×36% Fmm 负载N	100万次F=L×32% Fmm 负载N			
YSWL YSWL-N J-YSWL	6	15*	3	13.10	8.6	6.0	5.4	4.8			
		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	78	10.8	71	9.6	63
		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	18.0	16.0			
		10		24.53	5.4	4.0	3.6	3.2			
		15		16.35	8.1	6.0	5.4	4.8			
		20		12.26	10.8	8.0	7.2	6.4			
	8	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	37.5	26.0	23.4	20.8			
			70	3.50	40.2	28.0	25.2	22.4			
YSWL YSWL-N J-YSWL	10	5	75	3.30	43.2	30.0	27.0	24.0			
			80	3.07	45.9	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			
			10*	34.30	5.4	4.0	3.6	3.2			
			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			
	12	6	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			
YSWL YSWL-N J-YSWL	14	7	100*	3.42	38.5	40.0	137	36.0	124	32.0	110
			15*	34.30	8.1	6.0	5.4	4.8			
			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	206.8	18.0	186.3	16.0	166.7
			55	9.41	29.7	22.0	19.8	17.6			
	16	8	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			
			20*	34.30	10.8	8.0	7.2	6.4			
			25	27.22	13.5	10.0	9.0	8.0			
			30	22.69	16.2	12.0	10.8	9.6			
YSWL YSWL-N J-YSWL	18	9	35	19.44	18.9	14.0	275	12.6	245	11.2	216
			40	17.01	21.6	16.0	14.4	12.8			
			45	15.12	24.3	18.0	16.2	14.4			
			50	13.61	27.0	20.0	18.0	16.0			
			55	12.37	29.7	22.0	19.8	17.6			
			60	11.34	32.4	24.0	21.6	19.2			
			65	10.47	35.1	26.0	23.4	20.8			
			70	9.72	37.8	28.0	25.2	22.4			
			75	9.07	40.5	30.0	27.0	24.0			
			80	8.51	43.2	32.0	28.8	25.6			
	20	10	90	7.56	48.6	36.0	32.4	28.8			
			100	6.81	54.0	40.0	36.0	32.4			
			125*	5.50	48.5	50.0	45.0	40.0			
			20*	42.90	10.8	8.0	7.2	6.4			
			25	34.89	13.5	10.0	9.0	8.0			
			30	29.07	16.2	12.0	10.8	9.6			
			35	24.92	18.9	14.0	12.6	11.2			
			40	21.81	21.6	16.0	14.4	12.8			
			45	19.38	24.3	18.0	16.2	14.4			
			50	17.44	27.0	20.0	18.0	16.0			
YSWL YSWL-N J-YSWL	24	12	55	15.86	29.7	22.0	343	19.8	314	17.6	275
			60	14.54	32.4	24.0	21.6	19.2			
			65	13.42	35.1	26.0	23.4	20.8			
			70	12.46	37.8	28.0	25.2	22.4			
			75	11.63	40.5	30.0	27.0	24.0			
			80	10.90	43.2	32.0	28.8	25.6			
			90	9.69	48.6	36.0	32.4	28.8			
			100	8.72	54.0	40.0	36.0	32.4			
			125	6.98	47.5	50.0	45.0	40.0			
			20*	52.70	10.8	8.0	7.2	6.4			
	28	14	25	42.44	13.5	10.0	9.0	8.0			
			30	35.37	16.2	12.0	10.8	9.6			
			35	30.32	18.9	14.0	12.6	11.2			
			40	26.53	21.6	16.0	14.4	12.8			
			45	23.58	24.3	18.0	16.2	14.4			
			50	21.22	27.0	20.0	18.0	16.0			
			55	19.29	29.7	22.0	19.8	17.6			
			60	17.69	32.4	24.0	21.6	19.2			
			65	16.32	35.1	26.0	23.4	20.8			
			70	15.16	37.8	28.0	25.2	22.4			
YSWL YSWL-N J-YSWL	32	16	75	14.15	40.5	30.0	422	27.0	24.0	24.0	
			80	13.26	43.2	32.0	28.8	25.6			
			90	11.79	48.6	36.0	32.4	28.8			
			100	10.61	54.0	40.0	36.0	32.4			
			125	8.49	47.5	50.0	45.0	40.0			
			20*	66.20	10.8	8.0	7.2	6.4			
			25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
			40	33.40	21.6	16.0	14.4	12.8			
	36	18	45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
			55	24.29	29.7	22.0	19.8	17.6			
			60	22.27	32.4	24.0	21.6	19.2			
			65	20.40	35.1	26.0	23.4	20.8			
			70	19.09	37.8	28.0	25.2	22.4			
			75	17.81	40.5	30.0	27.0	24.0			
			80	16.70	43.2	32.0	28.8	25.6			
			90	14.85	48.6	36.0	32.4	28.8			
			100	13.36	54.0	40.0	36.0	32.4			
YSWL YSWL-N J-YSWL	40	20	125	10.69	47.5	50.0	45.0	40.0			
			150	8.91	81.0	60.0	54.0	48.0			
			20*	66.20	10.8	8.0	7.2	6.4			
			25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
			40	33.40	21.6	16.0	14.4	12.8			
			45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
			55	24.29	29.7	22.0	19.8	17.6			
	48	24	60	22.27	32.4	24.0	530	21.6	481	19.2	422
			65	20.40	35.1	26.0	23.4	20.8			
			70	19.09	37.8	28.0	25.2	22.4			
			75	17.81	40.5	30.0	27.0	24.0			
			80	16.70	43.2	32.0	28.8	25.6			
			90	14.85	48.6	36.0	32.4	28.8			
			100	13.36	54.0	40.0	36.0	32.4			
			125	10.69	47.5	50.0	45.0	40.0			
			150	8.91	81.0	60.0	54.0	48.0			
			20*	66.20	10.8	8.0	7.2	6.4			
YSWL YSWL-N J-YSWL	56	28	25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
			40	33.40	21.6	16.0	14.4	12.8			
			45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
			55	24.29	29.7	22.0	19.8	17.6			
			60	22.27	32.4	24.0	21.6	19.2			
			65	20.40	35.1	26.0	23.4	20.8			
			70	19.09	37.8	28.0	25.2	22.4			
	64	32	75	17.81	40.5	30.0	27.0	24.0			
			80	16.70	43.2	32.0	28.8	25.6			
			90	14.85	48.6	36.0	32.4	28.8			
			100	13.36	54.0	40.0	36.0	32.4			
			125	10.69	47.5	50.0	45.0	40.0			
			150	8.91	81.0	60.0	54.0	48.0			
			20*	66.20	10.8	8.0	7.2	6.4			
			25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
YSWL YSWL-N J-YSWL	72	36	40	33.40	21.6	16.0	14.4	12.8			
			45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
			55	24.29	29.7	22.0	19.8	17.6			
			60	22.27	32.4	24.0	21.6	19.2			
			65	20.40	35.1	26.0	23.4	20.8			
			70	19.09	37.8	28.0	25.2	22.4			
			75	17.81	40.5	30.0	27.0	24.0			
			80	16.70	43.2	32.0	28.8	25.6			
			90	14.85	48.6	36.0	32.4	28.8			
	80	40	100	13.36	54.0	40.0	36.0	32.4			
			125	10.69	47.5	50.0	45.0	40.0			
			150	8.91	81.0	60.0	54.0	48.0			
			20*	66.20	10.8	8.0	7.2	6.4			
			25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
			40	33.40	21.6	16.0	14.4	12.8			
			45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
YSWL YSWL-N J-YSWL	96	48	55	24.29	29.7	22.0	19.8	17.6			
			60	22.27	32.4	24.0	21.6	19.2			
			65	20.40	35.1	26.0	23.4	20.8			
			70	19.09	37.8	28.0	25.2	22.4			
			75	17.81	40.5	30.0	27.0	24.0			
			80	16.70	43.2	32.0	28.8	25.6			
			90	14.85	48.6	36.0	32.4	28.8			
			100	13.36	54.0	40.0	36.0	32.4			
			125	10.69	47.5	50.0	45.0	40.0			
			150	8.91	81.0	60.0	54.0	48.0			
	112	56	20*	66.20	10.8	8.0	7.2	6.4			
			25	53.44	13.5	10.0	9.0	8.0			
			30	44.54	16.2	12.0	10.8	9.6			
			35	38.17	18.9	14.0	12.6	11.2			
			40	33.40	21.6	16.0	14.4	12.8			
			45	29.69	24.3	18.0	16.2	14.4			
			50	26.72	27.0	20.0	18.0	16.0			
			55	24.29	29.7	22.0	19.8	17.6			
			60	22.27	32.4	24.0	21.6	19.2			
			65	20.40	35.1	26.0	23.4	20.8			
YSWL YSWL-N J-YSWL	128	64	70	19.09	37.8	28.0	25.2	22.4			
			75	17.81	40.5	30.0	27.0				

矩形弹簧

◀ 轻载荷弹簧(蓝色)

型号			内径	弹簧常数	a	使用方法				型号	内径	弹簧常数	a	使用方法			
代码	D	L	d	N/mm	压紧长度 Fmm	30万次F=L×40% Fmm 负载N	50万次F=L×36% Fmm 负载N	100万次F=L×32% Fmm 负载N	代码	D	L	d	N/mm	压紧长度 Fmm	30万次F=L×40% Fmm 负载N	50万次F=L×36% Fmm 负载N	100万次F=L×32% Fmm 负载N
YSWL YSWL-N J-YSWL	20*			82.13	7.5	8.0	7.2	6.4	125		32.47	67.5	50.0	45.0	40.0		
	25			65.33	13.5	10.0	9.0	8.0	150		27.06	81.0	60.0	54.0	48.0		
	30			54.44	16.2	12.0	10.8	9.6	175	17.5	23.19	94.5	70.0	63.0	56.0	1295	
	35			46.67	18.9	14.0	12.6	11.2	200		20.29	108.0	80.0	72.0	64.0		
	40			40.83	21.6	16.0	14.4	12.8	40*		52.95	21.6	16.0	14.4	12.8		
	45			36.30	24.3	18.0	16.2	14.4	45*		47.07	24.3	18.0	16.2	14.4		
	50			32.67	27.0	20.0	18.0	16.0	50*		42.63	27.0	20.0	18.0	16.0		
	55			29.70	29.7	22.0	19.8	17.6	55*		38.51	29.7	22.0	19.8	17.6		
	60	11		27.22	32.4	24.0	21.6	19.2	60*		35.30	32.4	24.0	21.6	19.2		
	65			25.13	35.1	26.0	23.4	20.8	65*	35	32.58	35.1	26.0	23.4	20.8		
	70			23.33	37.8	28.0	25.2	22.4	70*		30.26	37.8	28.0	25.2	22.4		
	75			21.78	40.5	30.0	27.0	24.0	75*	20	28.24	40.5	30.0	27.0	24.0	677	
	80			20.42	43.2	32.0	28.8	25.6	80*		26.48	43.2	32.0	28.8	25.6		
	90			18.15	48.6	36.0	32.4	28.8	90*		23.53	48.6	36.0	32.4	28.8		
	100			16.33	54.0	40.0	36.0	32.4	100*		21.18	54.0	40.0	36.0	32.4		
125			13.07	67.5	50.0	45.0	40.0	125*		16.94	67.5	50.0	45.0	40.0			
150			10.89	81.0	60.0	54.0	48.0	150*		14.12	81.0	60.0	54.0	48.0			
20*			103	7.5	8.0	7.2	6.4	175*		12.10	94.5	70.0	63.0	56.0			
25			82.78	13.5	10.0	9.0	8.0	200*		10.59	108.0	80.0	72.0	64.0			
30			68.98	16.2	12.0	10.8	9.6	40		132.15	21.6	16.0	14.4	12.8			
35			59.13	18.9	14.0	12.6	11.2	45		117.47	25.8	18.0	16.2	14.4			
40			51.74	21.6	16.0	14.4	12.8	50		105.72	27.0	20.0	18.0	16.0			
45			45.99	24.3	18.0	16.2	14.4	55		96.11	31.6	22.0	19.8	17.6			
50			41.39	27.0	20.0	18.0	16.0	60		88.10	32.4	24.0	21.6	19.2			
55			37.63	29.7	22.0	19.8	17.6	65		81.32	37.3	26.0	23.4	20.8			
60			34.49	32.4	24.0	21.6	19.2	70		75.52	37.8	28.0	25.2	22.4			
65	12.5		31.84	35.1	26.0	23.4	20.8	75		70.48	43.1	30.0	27.0	24.0			
70			29.56	37.8	28.0	25.2	22.4	80		66.08	45.9	32.0	28.8	25.6			
75			27.59	40.5	30.0	27.0	24.0	90	20	58.73	48.6	36.0	32.4	28.8	1697		
80			25.87	43.2	32.0	28.8	25.6	100		52.86	54.0	40.0	36.0	32.4			
90			22.99	48.6	36.0	32.4	28.8	125		42.29	67.5	50.0	45.0	40.0			
100			20.69	54.0	40.0	36.0	32.4	150		35.24	81.0	60.0	54.0	48.0			
125			16.56	67.5	50.0	45.0	40.0	175		30.21	94.5	70.0	63.0	56.0			
150			13.80	81.0	60.0	54.0	48.0	200		26.43	108.0	80.0	72.0	64.0			
175			11.83	94.5	70.0	63.0	56.0	225		23.49	121.5	90.0	81.0	72.0			
200			10.35	108.0	80.0	72.0	64.0	250		21.14	135.0	100.0	90.0	80.0			
25			98.11	13.5	10.0	9.0	8.0	275		19.22	148.5	110.0	99.0	88.0			
30			81.76	16.2	12.0	10.8	9.6	300		17.62	172.2	120.0	108.0	96.0			
35			70.08	18.9	14.0	12.6	11.2	50*		84.85	27.0	20.0	18.0	16.0			
40			61.32	21.6	16.0	14.4	12.8	60*		70.71	32.4	24.0	21.6	19.2			
45			54.51	24.3	18.0	16.2	14.4	70*		60.61	37.8	28.0	25.2	22.4			
50			49.06	27.0	20.0	18.0	16.0	80*		53.03	43.2	32.0	28.8	25.6			
55			44.60	29.7	22.0	19.8	17.6	90*		47.14	48.6	36.0	32.4	28.8			
60			40.88	32.4	24.0	21.6	19.2	100*	26	42.43	54.0	40.0	36.0	32.4	1358		
65	13.5		37.74	35.1	26.0	23.4	20.8	125*		33.94	67.5	50.0	45.0	40.0			
70			35.04	37.8	28.0	25.2	22.4	150*		28.28	81.0	60.0	54.0	48.0			
75			32.70	40.5	30.0	27.0	24.0	175*		24.24	94.5	70.0	63.0	56.0			
80			30.66	43.2	32.0	28.8	25.6	200*		21.21	108.0	80.0	72.0	64.0			
90			27.25	48.6	36.0	32.4	28.8	250*		16.97	135.0	100.0	90.0	80.0			
100			24.53	54.0	40.0	36.0	32.4	60		137.96	32.4	24.0	21.6	19.2			
125			19.62	67.5	50.0	45.0	40.0	65		127.35	35.1	26.0	23.4	20.8			
150			16.35	81.0	60.0	54.0	48.0	70		118.25	37.8	28.0	25.2	22.4			
175			14.02	94.5	70.0	63.0	56.0	75		110.37	40.5	30.0	27.0	24.0			
200			12.26	108.0	80.0	72.0	64.0	80		103.47	43.2	32.0	28.8	25.6			
25			118.78	13.5	10.0	9.0	8.0	90		91.98	48.6	36.0	32.4	28.8			
30			98.98	16.2	12.0	10.8	9.6	100		82.78	54.0	40.0	36.0	32.0			
35			84.84	18.9	14.0	12.6	11.2	125		66.22	67.5	50.0	45.0	40.0			
40			74.24	21.6	16.0	14.4	12.8	150	25	55.19	81.0	60.0	54.0	48.0	2650		
45			65.99	24.3	18.0	16.2	14.4	175		47.30	94.5	70.0	63.0	56.0			
50			59.39	27.0	20.0	18.0	16.0	200		41.39	108.0	80.0	72.0	64.0			
55			53.99	29.7	22.0	19.8	17.6	225		36.79	122.0	90.0	81.0	72.0			
60			49.49	32.4	24.0	21.6	19.2	250		33.11	135.0	100.0	90.0	80.0			
65	15		45.68	35.1	26.0	23.4	20.8	275		30.10	149.0	110.0	99.0	88.0			
70			42.42	37.8	28.0	25.2	22.4	300		27.59	172.2	120.0	108.0	96.0			
75			39.59	40.5	30.0	27.0	24.0	350		23.65	200.9	140.0	126.0	112.0			
80			37.12	43.2	32.0	28.8	25.6	400		20.69	216.0	160.0	144.0	128.0			
90			32.99	48.6	36.0	32.4	28.8	450		18.40	243.0	180.0	162.0	144.0			
100			29.69	54.0	40.0	36.0	32.4	500		16.56	270.0	200.0	180.0	160.0			
125			23.76	67.5	50.0	45.0	40.0	60		198.61	32.4	24.0	21.6	19.2			
150			19.80	81.0	60.0	54.0	48.0	70		170.24	37.8	28.0	25.2	22.4			
175			16.97	94.5	70.0	63.0	56.0	80		148.96	43.2	32.0	28.8	25.6			
200			14.85	108.0	80.0	72.0	64.0	90		132.41	48.6	36.0	32.4	28.8			
30*			65.41	16.2	12.0	10.8	9.6	100		119.17	54.0	40.0	36.0	32.0			
35*			56.06	18.9	14.0	12.6	11.2	125		95.33	67.5	50.0	45.0	40.0			
40*			49.06	21.6	16.0	14.4	12.8	150		79.44	81.0	60.0	54.0	48.0			
45*			43.60	24.3	18.0	16.2	14.4	175		68.10	94.5	70.0	63.0	56.0			
50*			39.24	27.0	20.0	18.0	16.0	200	30	59.58	108.0	80.0	72.0	64.0	3810		
55*			35.68	29.7	22.0	19.8	17.6	225		52.96	122.0	90.0	81.0	72.0			
60*			32.70	32.4	24.0	21.6	19.2	250		47.67	135.0	100.0	90.0	80.0			
65*	16		30.19	35.1	26.0	23.4	20.8	275		43.33	149.0	110.0	99.0	88.0			
70*			28.03	37.8	28.0	25.2	22.4	300		39.72	172.2	120.0	108.0	96.0			
75*			26.16														