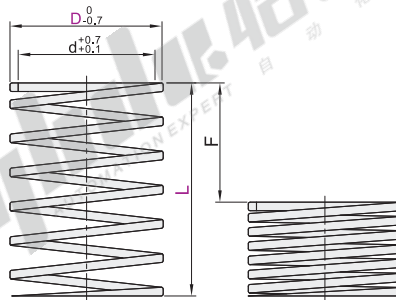


代码	类型	涂装剥离处理	材质	最大压缩量
YSWH	重载荷型	标准型	油冷回火弹簧钢	L×24%
YSWH-N		有涂装		
J-YSWH		无涂装		
	精密型	有涂装		

□ L尺寸公差

L	公差
50以下	±0.5
50以上	±1.0%

- ① 载荷(±10%)
- ① 直角度(2°以下)
- ① 载荷(N)=定数(N/mm)×压缩量
- ① 耐热温度为150°C
- ① 1kgf=9.81N
- ① 压紧长度为参考值, 制作时会有少许差异。
- ① 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!
- ① 对矩形螺旋弹簧进行喷丸处理, 以剥离其表面涂装。
- ① 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。
- ① 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	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	30万次F=L×24% Fmm	负载N	50万次F=L×21.6% Fmm	负载N	100万次F=L×19.2% Fmm	负载N	代码	D	L	d	N/mm	压紧长度	30万次F=L×24% Fmm	负载N	50万次F=L×21.6% Fmm	负载N	100万次F=L×19.2% Fmm	负载N
YSWH YSWH-N J-YSWH	6	15*		38.10	11.0	3.6		3.2		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			65		37.04	46.8	15.6		14.0		12.5		
		25*		22.90	18.4	6.0		5.4		4.8			70		34.39	50.4	16.8		15.1		13.4		
		30*		19.10	22.0	7.2		6.5		5.8			75		32.10	54.0	18.0	579	16.2	520	14.4	461	
		35*		16.30	25.7	8.4	137	7.6	123	6.7			80		30.09	57.6	19.2		17.3		15.4		
		40*		14.30	29.4	9.6		8.6		7.7			90		26.75	64.8	21.6		19.4		17.3		
		45*		12.70	33.0	10.8		9.7		8.6			100		24.07	72.0	24.0		21.6		19.2		
		50*		11.40	36.7	12.0		10.8		9.6			125*		19.30	28.5	30.0		27.0		24.0		
	55*		10.40	40.4	13.2		11.9		10.6		20*		157.00	14.8	4.8		4.3		3.8				
	60*		9.50	44.0	14.4		13.0		11.5		25		125.37	18.0	6.0		5.4		4.8				
	10		86.25	7.2	2.4		2.2		1.9		30		104.48	21.6	7.2		6.5		5.8				
	15		57.50	10.8	3.6		3.2		2.9		35		89.55	25.2	8.4		7.6		6.7				
	20		43.13	14.4	4.8		4.3		3.8		40		78.36	28.8	9.6		8.6		7.7				
	25		34.50	18.0	6.0		5.4		4.8		45		69.65	32.4	10.8		9.7		8.6				
	30		28.75	21.6	7.2		6.5		5.8		50		62.69	36.0	12.0		10.8		9.6				
	35		24.64	25.2	8.4		7.6		6.7		55		56.99	39.6	13.2	755	11.9	677	10.6	608			
40		21.56	28.8	9.6		8.6		7.7		60		52.24	43.2	14.4		13.0		11.5					
45		19.17	32.4	10.8	206	9.7	186	8.6		65		48.22	46.8	15.6		14.0		12.5					
50		17.25	36.0	12.0		10.8		9.6		70		44.78	50.4	16.8		15.1		13.4					
55		15.68	39.6	13.2		11.9		10.6		75		41.79	54.0	18.0		16.2		14.4					
60		14.38	43.2	14.4		13.0		11.5		80		39.18	57.6	19.2		17.3		15.4					
65		13.27	47.7	15.6		14.0		12.5		90		34.83	64.8	21.6		19.4		17.3					
70		12.32	51.4	16.8		15.1		13.4		100		31.34	72.0	24.0		21.6		19.2					
75		11.50	55.1	18.0		16.2		14.4		125		25.07	90.0	30.0		27.0		24.0					
80		10.70	58.6	19.1		17.2		15.4		20*		198.00	14.6	4.8		4.3		3.8					
10*		123.00	7.5	2.4		2.2		1.9		25		157.96	18.0	6.0		5.4		4.8					
15*		81.70	11.1	3.6		3.2		2.9		30		131.64	21.6	7.2		6.5		5.8					
20		61.34	14.4	4.8		4.3		3.8		35		112.83	25.2	8.4		7.6		6.7					
25		49.07	18.0	6.0		5.4		4.8		40		98.73	28.8	9.6		8.6		7.7					
30		40.90	21.6	7.2		6.5		5.8		45		87.76	32.4	10.8		9.7		8.6					
35		35.05	25.2	8.4		7.6		6.7		50		78.98	36.0	12.0		10.8		9.6					
40		30.67	28.8	9.6		8.6		7.7		55		71.80	39.6	13.2	951	11.9	853	10.6	765				
45		27.26	32.4	10.8		9.7		8.6		60		65.82	43.2	14.4		13.0		11.5					
50		24.54	36.0	12.0	294	10.8	265	9.6		65		60.75	46.8	15.6		14.0		12.5					
55		22.31	39.6	13.2		11.9		10.6		70		56.42	50.4	16.8		15.1		13.4					
60		20.45	43.2	14.4		13.0		11.5		75		52.65	54.0	18.0		16.2		14.4					
65		18.87	46.8	15.6		14.0		12.5		80		49.36	57.6	19.2		17.3		15.4					
70		17.53	50.4	16.8		15.1		13.4		90		43.88	64.8	21.6		19.4		17.3					
75		16.36	54.0	18.0		16.2		14.4		100		39.49	72.0	24.0		21.6		19.2					
80		15.34	57.6	19.2		17.3		15.4		125		31.59	90.0	30.0		27.0		24.0					
90		13.63	64.8	21.6		19.4		17.3		20*		245.00	14.6	4.8		4.3		3.8					
15*		117.00	11.1	3.6		3.2		2.9		25		196.11	18.0	6.0		5.4		4.8					
20		86.34	14.4	4.8		4.3		3.8		30		163.43	21.6	7.2		6.5		5.8					
25		69.07	18.0	6.0		5.4		4.8		35		140.08	25.2	8.4		7.6		6.7					
30		57.56	21.6	7.2		6.5		5.8		40		122.57	28.8	9.6		8.6		7.7					
35		49.34	25.2	8.4		7.6		6.7		45		108.95	32.4	10.8		9.7		8.6					
40		43.17	28.8	9.6		8.6		7.7		50		98.06	36.0	12.0		10.8		9.6					
45		38.37	32.4	10.8		9.7		8.6		55		89.14	39.6	13.2		11.9		10.6					
50	12	34.54	36.0	12.0	422	10.8	373	9.6		60	20	10	81.71	43.2	14.4	1177	13.0	1059	11.5	941			
55		31.40	39.6	13.2		11.9		10.6	65			75.43	46.8	15.6		14.0		12.5					
60		28.78	43.2	14.4		13.0		11.5	70			70.04	50.4	16.8		15.1		13.4					
65		26.57	46.8	15.6		14.0		12.5	75			65.82	54.0	18.0		16.2		14.4					
70		24.67	50.4	16.8		15.1		13.4	80			61.28	57.6	19.2		17.3		15.4					
75		23.02	54.0	18.0		16.2		14.4	90			54.48	64.8	21.6		19.4		17.3					
80		21.59	57.6	19.2		17.3		15.4	100			49.03	72.0	24.0		21.6		19.2					
90		19.19	64.8	21.6		19.4		17.3	125			29.22	90.0	30.0		27.0		24.0					
20*		120.00	14.6	4.8		4.3		3.8		150		32.69	108.0	36.0		32.4		28.8					
25		96.30	18.0	6.0		5.4		4.8		20*		296.20	39.7	4.8		4.32		3.84					
30	14	80.25	21.6	7.2		6.5		5.8		25		236.11	18.0	6.0		5.4		4.8					
35		68.78	25.2	8.4	579	7.6	520	6.7	30		196.76	21.6	7.2		6.5		5.8						
40		60.19	28.8	9.6		8.6		7.7	35	22	11	168.65	25.2	8.4	1422	7.6	1275	6.7	1138				
45		53.50	32.4	10.8		9.7		8.6	40			147.57	28.8	9.6		8.6		7.7					
50		48.15	36.0	12.0		10.8		9.6	45			131.17	32.4	10.8		9.7		8.6					
55		43.77	39.6	13.2		11.9		10.6	50			118.06	36.0	12.0		10.8		9.6					

① 带*号仅适用标准型。

矩形弹簧

重载荷弹簧(绿色)

型号		内径		a		使用方法						型号		内径		a		使用方法													
		弹簧常数		30万次F=L×24%		50万次F=L×21.6%		100万次F=L×19.2%						弹簧常数		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	压簧长度	Fmm	负载N	Fmm	负载N	Fmm	负载N	代码	D	L	d	压簧长度	Fmm	负载N	Fmm	负载N	Fmm	负载N										
22	22	55	11	107.32	39.6	13.2	1422	11.9	1275	10.6	40	40	40	20	490.00	28.7	9.6	4710	8.6	4240	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		17.3		15.4			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		19.4		17.3										
25	25	20*	12.5	382.10	4.5	4.8	1834	4.32	1657	3.84	50	25	100	25	196.30	72.0	24.0	7360	21.6	6620	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		14.0		12.5			50		612.96	36.0	12.0		10.8		9.6										
27	27	70	13.5	109.59	50.4	16.8	2150	15.1	1932	13.4	60	30	55	30	557.24	39.6	13.2	10590	11.9	9540	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		21.6		19.2										
		200		38.36	144.0	48.0		43.2		38.4			125		245.19	90.0	30.0		27.0		24.0										
		YSWH YSWH-N J-YSWH		YSWH YSWH-N J-YSWH	25	13.5		357.78		18.0			6.0		2150	5.4	1932		4.8		60	30	150	30	204.32	108.0	36.0	10590	32.4	9540	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		15.1	13.4	70	630.95	50.4	16.8	15.1	13.4																	
YSWH YSWH-N J-YSWH	YSWH YSWH-N J-YSWH	75	13.5	119.26	54.0	18.0	2150	16.2	1932	14.4	60	30	80	30	552.08	57.6	19.2	10590	17.3	9540	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		32.4		28.8										
		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										
		30		30	25	15		440.74		18.0			6.0		2648	5.4	2380		4.8		70	38.5	250	38.5	176.67	180.0	60.0	12557	54.0	11301	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		15.1	13.4	150	361.11	108.0	36.0	32.4	28.8																	
35	35	75	17.5	146.91	54.0	18.0	3600	16.2	3240	14.4	70	38.5	175	38.5	309.52	126.0	42.0	12557	37.8	11301	33.6										
		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																					
		35		35	40	17.5		375.00		28.8			9.6		3600	8.6	3240		7.7		70	38.5	40	38.5	375.00	28.8	9.6	12557	8.6	11301	7.7
					45			333.33		32.4			10.8			9.7			8.6				45		333.33	32.4	10.8		9.7		8.6
50	300.00		36.0		12.0		10.8	9.6	50	300.00	36.0	12.0	10.8	9.6																	
55	272.73		39.6		13.2		11.9	10.6	55	272.73	39.6	13.2	11.9	10.6																	
60	250.00		43.2		14.4		13.0	11.5	60	250.00	43.2	14.4	13.0	11.5																	
65	230.77		46.8		15.6		14.0	12.5	65	230.77	46.8	15.6	14.0	12.5																	
70	214.29		50.4		16.8		15.1	13.4	70	214.29	50.4	16.8	15.1	13.4																	
75	200.00		54.0		18.0		16.2	14.4	75	200.00	54.0	18.0	16.2	14.4																	
80	187.50		57.6		19.2		17.3	15.4	80	187.50	57.6	19.2	17.3	15.4																	
90	166.67		64.8		21.6		19.4	17.3	90	166.67	64.8	21.6	19.4	17.3																	
35	35	100	17.5	150.00	72.0	24.0	3600	21.6	3240	19.2	70	38.5	100	38.5	150.00	72.0	24.0	12557	21.6	11301	19.2										
		125		120.00	90.0	30.0		27.0		24.0			125		120.00	90.0	30.0		27.0		24.0										
		150		100.00	108.0	36.0		32.4		28.8			150		100.00	108.0	36.0		32.4		28.8										
		175		87.71	126.0	42.0		37.8		33.6			175		87.71	126.0	42.0		37.8		33.6										
		200		75.00	144.0	48.0		43.2		38.4			200		75.00	144.0	48.0		43.2		38.4										

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