

代码	类型	材质		允许位移量	弹簧常数公差
		国标	相当	$L \times 35\%$ $L \times 40\%$	$\pm 10\%$
Y-YVUM	内径基准不锈钢型	标准型	0Cr18Ni9	SUS304-WPB	
Y-YVUL					



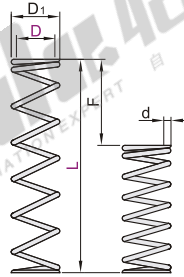
特点：以内径为基准的圆线螺旋弹簧，内径相同时，负载为一定值。

压紧长度为参考值，因批量不同会有偏差。

使用次数：100万次。

两端均进行磨削加工。

此系列为内径基准型弹簧，以保证内径公差进行生产，内径为正公差，适合配轴使用，外径仅做参考(按正公差)，选型时请注意。



RoHS



视角标准：第一视角

Y-YVUM 允许位移量 $F_{max}=L \times 35\%$

代码	型号	D	L	D1	d	压紧长度	F _{max}	允许负载 Nmax	弹簧常数 N/mm
5	+0.5 +0.1	15		6.6	0.8	6.8	5.3	15.39	2.90
		20	± 0.5	6.8	0.9	11.7	7.0	20.58	2.94
		25		7.0	1.0	13.5	8.8	25.68	2.92
		30	± 0.6	7.2	1.1	20.35	12.3	35.97	2.92
		35	± 0.7	7.2	1.1	20.35	12.3	35.97	2.92
		40	± 0.8	7.0	1.0	14.5	14.0	41.16	2.94
		45	± 0.9				15.8	46.26	2.93
		50	± 1	7.2	1.1	22.0	17.5	51.45	2.94
		55					17.5	51.45	2.94
		60					17.5	51.45	2.94
6	+0.5 +0.1	15		7.8	0.9	7.7	5.3	15.39	2.90
		20	± 0.5	8.0	1.0	11.0	7.0	20.58	2.94
		25		8.2	1.1	16.5	8.8	25.68	2.92
		30	± 0.6	8.2	1.1	16.5	10.5	30.87	2.94
		35	± 0.7				12.3	35.97	2.92
		40	± 0.8	8.4	1.2		14.0	41.16	2.94
		45	± 0.9				15.8	46.26	2.93
		50	± 1				17.5	51.45	2.94
		55	± 1.1	8.6	1.3		19.3	56.55	2.93
		60	± 1.2				21.0	61.74	2.94
8	+0.5 +0.1	20	± 0.7				7.0	20.58	2.94
		25	± 0.75	10.2	1.1	8.8	8.8	25.68	2.92
		30	± 0.9				10.5	30.87	2.94
		35	± 0.7	10.6	1.3	15.6	12.3	35.97	2.92
		40	± 0.8				14.0	41.16	2.94
		45	± 0.9	10.8	1.4	22.4	15.8	46.26	2.93
		50	± 1				17.5	51.45	2.94
		55	± 1.1				19.3	56.55	2.93
		60	± 1.2				21.0	61.74	2.94
		65	± 1.3	11.0	1.5	27.8	22.8	66.84	2.93
10	+0.5 +0.1	70	± 1.4				24.5	72.03	2.94
		80	± 1.6				28.0	82.32	2.94
		20	± 0.7	12.4	1.2	8.4	7.0	20.58	2.94
		25	± 0.75				8.8	25.68	2.92
		30	± 0.9	12.6	1.3	10.4	10.5	30.87	2.94
		35	± 1				12.3	35.97	2.92
		40	± 0.8				14.0	41.16	2.94
		45	± 0.9	13.0	1.5	18.8	15.8	46.26	2.93
		50	± 1				17.5	51.45	2.94
		55	± 1.1				19.3	56.55	2.93
12	+0.5 +0.1	60	± 1.2	13.2	1.6	23.2	21.0	61.74	2.94
		65	± 1.3				22.8	66.84	2.93
		70	± 1.4	13.4	1.7	28.9	24.5	72.03	2.94
		80	± 1.6				28.0	82.32	2.94
		25	± 0.75				8.8	25.68	2.92
		30	± 0.9	14.8	1.4	9.8	10.5	30.87	2.94
		35	± 1				12.3	35.97	2.92
		40	± 1	15.2	1.6	16.0	14.0	41.16	2.94
		45	± 1				15.8	46.26	2.93
		50	± 1.65				17.5	51.45	2.94
16	+0.5 +0.1	55	± 1.65				19.3	56.55	2.93
		60	± 1.2				21.0	61.74	2.94
		65	± 1.3	15.6	1.8	23.4	22.8	66.84	2.93
		70	± 1.4				24.5	72.03	2.94
		80	± 1.6	16.0	2.0	40	28.0	82.32	2.94
		90	± 1.8	15.6	1.8	23.4	31.5	92.61	2.94
		35	± 1				12.3	35.97	2.92
		40	± 1	19.6	1.8	14.4	14.0	41.16	2.94
		45	± 1.65				15.8	46.26	2.93
		50	± 1.65				17.5	51.45	2.94
16	+0.8 +0.1	55	± 1.65				19.3	56.55	2.93
		60	± 1.8				21.0	61.74	2.94
		65	± 1.95				22.8	66.84	2.93
		70	± 2				24.5	72.03	2.94
		80	± 2	20.4	2.2	28.6	28.0	82.32	2.94
		90	± 2				31.5	92.61	2.94
		100					35.0	102.90	2.94
		35	± 1				12.3	35.97	2.92
		40	± 1				14.0	41.16	2.94
		45	± 1.65				15.8	46.26	2.93

Y-YVUL 允许位移量 $F_{max}=L \times 40\%$

代码	型号	D	L	D1	d	压紧长度	F _{max}	允许负载 Nmax	弹簧常数 N/mm
5	+0.6 +0.1	15		6.2	0.6	4.8	6	5.88	5.88
		20	± 0.7				8	7.84	7.84
		25	± 0.75				10	9.80	9.80
		30	± 0.9	6.4	0.7	9.1	12	11.76	11.76
		35	± 1				14	13.72	13.72
		40	± 0.8				16	15.68	15.68
		45	± 0.9	6.6	0.8	16.0	18	17.64	17.64
		50	± 1				20	19.60	19.60
		55					20	19.60	19.60
		60					20	19.60	19.60
6	+0.6 +0.1	15		7.4	0.7	6.3	6	5.88	5.88
		20	± 0.7				8	7.84	7.84
		25	± 0.75				10	9.80	9.80
		30	± 0.9	7.6	0.8	10.4	12	11.76	11.76
		35	± 1				14	13.72	13.72
		40	± 0.8				16	15.68	15.68
		45	± 0.9				18	17.64	17.64
		50	± 1	7.8	0.9	16.2	20	19.60	19.60
		55	± 1.1				22	21.56	21.56
		60	± 1.2				24	23.52	23.52
8	+0.6 +0.1	20	± 0.7				8	7.84	7.84
		25	± 0.75				10	9.80	9.80
		30	± 0.9				12	11.76	11.76
		35	± 1	10.0	1.0	14.0	14	13.72	13.72
		40	± 1				16	15.68	15.68
		45	± 1.65				18	17.64	17.64
		50	± 1.2				20	19.60	19.60
		55	± 1.3				22	21.56	21.56
		60	± 1.4	10.4	1.2	28.8	26	25.48	25.48
		70	± 1.6				28	27.44	27.44
10	+0.7 +0.1	80	± 1.6				32	31.36	31.36
		20	± 0.7	12.0	1.0	8.5	8	7.84	7.84
		25	± 0.75				10	9.80	9.80
		30	± 0.9				12	11.76	11.76
		35	± 1	12.2	1.1	12.7	14	13.72	13.72
		40	± 1				16	15.68	15.68
		45	± 1.65				18	17.64	17.64
		50	± 1.8				20	19.60	19.60
		55	± 1.95				22	21.56	21.56
		60	± 2	12.6	1.3	25.4	24	23.52	23.52
12	+0.7 +0.1	70	± 1.95				26	25.48	25.48
		80	± 2				28	27.44	27.44
		85	± 2				32	31.36	31.36
		25	± 0.75				10	9.80	9.80
		30	± 0.9				12	11.76	11.76
		35	± 1	14.4	1.2	12.6	14	13.72	13.72
		40	± 1				16	15.68	15.68
		45	± 1.65				18	17.64	17.64
		50	± 1.8				20	19.60	19.60
		55	± 1.95	14.8	1.4	21.7	22	21.56	21.56
16	+0.8 +0.1	60	± 1.8				24	23.52	23.52
		65	± 1.95				26	25.48	25.48
		70	± 2				28	27.44	27.44
		80	± 2				32	31.36	31.36
		90	± 2				36	35.28	35.28
		35	± 1				14	13.72	13.72
		40	± 1	19.0	1.5	15.8	16	15.68	15.68
		45	± 1.65				18	17.64	17.64
		50	± 1.8				20	19.60	19.60
		55	± 1.95				22	21.56	21.56

0.98