

JIS 标准矩形模具弹簧

中重载荷型

■中重载荷型

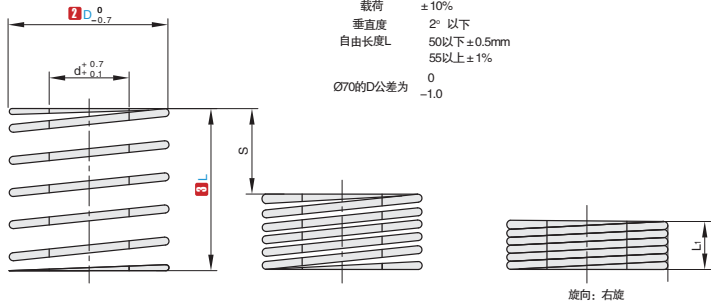


① 代号	类型	[M] 材质
DSYK	中重载荷型	SWOSC-V 相当

J2
弹
簧

订购编号示例

① 代号	-	② D	-	③ L
DSYK	-	D6	-	L15



① 代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = LX16%		S = LX18%		S = LX20%		
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	
DSYK	6	3	15	59.0 (6.0)	11.6	2.4	2.7	3	3	3		
			20	44.3 (4.5)	15.5	3.2	3.6	4	4	4		
			25	35.4 (3.6)	19.4	4	4.5	5	5	5		
			30	29.5 (3.0)	23.2	4.8	5.4	6	6	6		
			35	25.3 (2.6)	27.1	5.6	6.3	7	7	7	177	
			40	22.1 (2.3)	31	6.4	7.2	8	8	8	18	
		45	19.7 (2.0)	34.8	7.2	8.1	9	9	9			
		50	17.7 (1.8)	38.7	8	9	10	10	10			
		55	16.1 (1.6)	42.6	8.8	9.9	11	11	11			
		60	14.8 (1.5)	46.4	9.6	10.8	12	12	12			
		8	4	10	162 (16.5)	7.7	1.6	1.8	2	2	2	
				15	108 (11.0)	11.6	2.4	2.7	3	3	3	
	20			80.8 (8.2)	15.9	3.2	3.6	4	4	4		
	25			64.6 (6.6)	19.4	4	4.5	5	5	5		
	30			53.8 (5.5)	23.2	4.8	5.4	6	6	6		
	35			46.1 (4.7)	27.1	5.6	6.3	7	7	7		
	40		40.4 (4.1)	31	6.4	7.2	8	8	8	323 (33)		
	45		35.9 (3.7)	34.8	7.2	8.1	9	9	9			
	50		32.3 (3.3)	38.7	8	9	10	10	10			
	55		29.4 (3.0)	42.6	8.8	9.9	11	11	11			
	60		26.9 (2.7)	46.4	9.6	10.8	12	12	12			
	10		5	10	221 (22.5)	7.7	1.6	1.8	2	2	2	
		15		147 (15.0)	11.6	2.4	2.7	3	3	3		
		20		110 (11.2)	15.5	3.2	3.6	4	4	4		
25		88.2 (9.0)		19.4	4	4.5	5	5	5			
30		73.5 (7.5)		23.2	4.8	5.4	6	6	6			
35		63.0 (6.4)		27.1	5.6	6.3	7	7	7			
40		55.1 (5.6)	31	6.4	7.2	8	8	8	397 (41)			
45		49.0 (5.0)	34.8	7.2	8.1	9	9	9	441 (45)			
50		44.1 (4.5)	38.7	8	9	10	10	10				
55		40.1 (4.1)	42.6	8.8	9.9	11	11	11				
60		36.8 (3.7)	46.4	9.6	10.8	12	12	12				
16		8	20	245 (25.0)	15.5	3.2	3.6	4	4	4		
	25		196 (20.0)	19.4	4	4.5	5	5	5			
	30		163 (16.7)	23.2	4.8	5.4	6	6	6			
	35		140 (14.3)	27.1	5.6	6.3	7	7	7			
	40		123 (12.5)	31	6.4	7.2	8	8	8			
	45		109 (11.1)	34.8	7.2	8.1	9	9	9	882 (90)		

① 代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = LX16%		S = LX18%		S = LX20%	
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)
DSYK	12	6	15	190 (19.3)	11.6	2.4	2.7	3	3	3	
			20	142 (14.5)	15.5	3.2	3.6	4	4	4	
			25	114 (11.6)	19.4	4	4.5	5	5	5	
			30	94.8 (9.7)	23.2	4.8	5.4	6	6	6	
			35	81.3 (8.3)	27.1	5.6	6.3	7	7	7	
			40	71.1 (7.3)	31	6.4	7.2	8	8	8	
		45	63.2 (6.4)	34.8	7.2	8.1	9	9	9	569 (58)	
		50	56.9 (5.8)	38.7	8	9	10	10	10		
		55	51.7 (5.3)	42.6	8.8	9.9	11	11	11		
		60	47.4 (4.8)	46.4	9.6	10.8	12	12	12		
		65	43.8 (4.5)	50.3	10.4	11.7	13	13	13		
		70	40.6 (4.1)	54.2	11.2	12.6	14	14	14		
	75	37.9 (3.9)	58.1	12	13.5	15	15	15			
	80	35.6 (3.6)	61.9	12.8	14.4	16	16	16			
	90	31.6 (3.2)	69.7	14.4	16.2	18	18	18			
	14	7	20	184 (18.8)	15.5	3.2	3.6	4	4	4	
			25	147 (15.0)	19.4	4	4.5	5	5	5	
			30	123 (12.5)	23.2	4.8	5.4	6	6	6	
			35	105 (10.7)	27.1	5.6	6.3	7	7	7	
			40	92.0 (9.4)	31	6.4	7.2	8	8	8	
			45	81.8 (8.3)	34.8	7.2	8.1	9	9	9	
		50	73.6 (7.5)	38.7	8	9	10	10	10	736 (75)	
		55	66.9 (6.8)	42.6	8.8	9.9	11	11	11		
		60	61.3 (6.3)	46.4	9.6	10.8	12	12	12		
65		56.6 (5.8)	50.3	10.4	11.7	13	13	13			
70		52.6 (5.4)	54.2	11.2	12.6	14	14	14			
75		49.1 (5.0)	58.1	12	13.5	15	15	15			
80	46.0 (4.7)	61.9	12.8	14.4	16	16	16				
90	40.9 (4.2)	69.7	14.4	16.2	18	18	18				
100	36.8 (3.8)	77.4	16	18	20	20	20				
16	8	20	245 (25.0)	15.5	3.2	3.6	4	4	4		
		25	196 (20.0)	19.4	4	4.5	5	5	5		
		30	163 (16.7)	23.2	4.8	5.4	6	6	6		
		35	140 (14.3)	27.1	5.6	6.3	7	7	7		
		40	123 (12.5)	31	6.4	7.2	8	8	8		
		45	109 (11.1)	34.8	7.2	8.1	9	9	9	882 (90)	
	50	98.0 (10.0)	38.7	8	9	10	10	10	980 (100)		
	55	89.1 (9.1)	42.6	8.8	9.9	11	11	11			
	60	81.7 (8.3)	46.4	9.6	10.8	12	12	12			
	65	75.4 (7.7)	50.3	10.4	11.7	13	13	13			
	70	70.0 (7.1)	54.2	11.2	12.6	14	14	14			

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代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = L×16%		S = L×18%		S = L×20%		
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	
												100万次
使用次数												
16	8	75	65.3 (6.7)	58.1	12	13.5	15	14.4	16	15	16	
		80	61.3 (6.3)	61.9	12.8	14.4	16	16.2	18	18	18	
		90	54.4 (5.6)	69.7	14.4	16.2	18	18	20	20	20	
		100	49.0 (5.0)	77.4	16	18	20	20	22	22	22	
	18	9	20	306 (31.2)	15.5	3.2	3.6	4	4.5	5	4	4
			25	245 (25.0)	19.4	4	4.5	5	5.4	6	6	6
			30	204 (20.8)	23.2	4.8	5.4	6	6.3	7	7	7
			35	175 (17.8)	27.1	5.6	6.3	7	7.2	8	8	8
			40	153 (15.6)	31	6.4	7.2	8	8.1	9	9	9
			45	136 (13.9)	34.8	7.2	8.1	9	9.9	10	10	10
20	10	50	123 (12.5)	38.7	8	9	10	9.9	11	11	11	
		55	111 (11.4)	42.6	8.8	10.8	12	11.7	13	13	13	
		60	102 (10.4)	46.4	9.6	11.7	14	12.6	14	14	14	
		65	94.2 (9.6)	50.3	10.4	12.6	15	13.5	15	15	15	
		70	87.5 (8.9)	54.2	11.2	13.5	16	14.4	16	16	16	
		75	81.7 (8.3)	58.1	12	14.4	16	15.3	17	17	17	
		80	76.6 (7.8)	61.9	12.8	15.3	17	16.2	18	18	18	
		90	68.1 (6.9)	69.7	14.4	16.2	18	17.1	19	19	19	
		100	61.3 (6.2)	77.4	16	17.1	19	18	19	20	20	
		22	11	20	392 (40.0)	15.5	3.2	3.6	4	4.5	5	4
25	314 (32.0)			19.4	4	4.5	5	5.4	6	5	5	
30	261 (26.6)			23.2	4.8	5.4	6	6.3	7	6	6	
35	224 (22.8)			27.1	5.6	6.3	7	7.2	8	7	7	
40	196 (20.0)			31	6.4	7.2	8	8.1	9	8	8	
45	174 (17.8)			34.8	7.2	8.1	9	9	10	9	9	
50	157 (16.0)			38.7	8	9	10	9.9	11	10	10	
55	143 (14.5)			42.6	8.8	9.9	11	10.8	12	11	11	
60	131 (13.3)			46.4	9.6	10.8	12	11.7	13	12	12	
65	121 (12.3)			50.3	10.4	11.7	13	12.6	14	13	13	
25	12.5	70	112 (11.4)	54.2	11.2	12.6	14	13.5	15	14	14	
		75	105 (10.7)	58.1	12	13.5	16	14.4	16	15	15	
		80	98.0 (10.0)	61.9	12.8	14.4	16	15.3	17	16	16	
		90	87.1 (8.9)	69.7	14.4	16.2	18	17.1	19	17	17	
		100	78.4 (8.0)	77.4	16	17.1	19	18	19	18	18	
		125	62.7 (6.4)	96.8	20	22.5	25	22.5	25	24	24	
		150	52.3 (5.3)	116.1	24	27	30	27	30	27	27	
		25	382 (39.0)	19.4	4	4.5	5	5.4	6	5	5	5
		30	319 (32.5)	23.2	4.8	5.4	6	6.3	7	6	6	
		35	273 (27.9)	27.1	5.6	6.3	7	7.2	8	7	7	
40	239 (24.4)	31	6.4	7.2	8	8.1	9	8	8			
45	212 (21.7)	34.8	7.2	8.1	9	9	10	9	9			
50	191 (19.5)	38.7	8	9	10	9.9	11	10	10			
55	174 (17.7)	42.6	8.8	9.9	11	10.8	12	11	11			
60	159 (16.2)	46.4	9.6	10.8	12	11.7	13	12	12			
65	147 (15.0)	50.3	10.4	11.7	13	12.6	14	13	13			
70	137 (13.9)	54.2	11.2	12.6	14	13.5	15	14	14			
75	127 (13.0)	58.1	12	13.5	15	14.4	16	15	15			
80	120 (12.2)	61.9	12.8	14.4	16	15.3	17	16	16			
90	106 (10.8)	69.7	14.4	16.2	18	17.1	19	17	17			
100	95.6 (9.8)	77.4	16	18	20	18	19	18	18			
125	76.5 (7.8)	96.8	20	22.5	25	22.5	25	24	24			
150	63.7 (6.5)	116.1	24	27	30	27	30	27	27			
25	12.5	25	481 (49.0)	19	4	4.5	5	5.4	6	5	5	
		30	400 (40.8)	22.8	4.8	5.4	6	6.3	7	6	6	
		35	343 (35.0)	26.6	5.6	6.3	7	7.2	8	7	7	
		40	300 (30.6)	30.4	6.4	7.2	8	8.1	9	8	8	
		45	267 (27.2)	34.2	7.2	8.1	9	9	10	9	9	
		50	240 (24.5)	38	8	9	10	9.9	11	10	10	
		55	218 (22.3)	41.8	8.8	9.9	11	10.8	12	11	11	
		60	200 (20.4)	45.6	9.6	10.8	12	11.7	13	12	12	
		65	185 (18.8)	49.4	10.4	11.7	13	12.6	14	13	13	
		70	172 (17.5)	53.2	11.2	12.6	14	13.5	15	14	14	
75	160 (16.3)	57	12	13.5	15	14.4	16	15	15			
80	150 (15.3)	60.8	12.8	14.4	16	15.3	17	16	16			
90	133 (13.6)	68.4	14.4	16.2	18	17.1	19	17	17			
100	120 (12.2)	76	16	18	20	18	19	18	18			
125	96.1 (9.8)	95	20	22.5	25	22.5	25	24	24			
150	80.1 (8.2)	114	24	27	30	27	30	27	27			
175	68.6 (7.0)	133	28	31.5	35	31.5	35	30	30			

代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = L×16%		S = L×18%		S = L×20%	
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)
使用次数											
27	13.5	25	569 (58.0)	19	4	4.5	5	5.4	6	5	5
		30	474 (48.3)	22.8	4.8	5.4	6	6.3	7	6	6
		35	406 (41.4)	26.6	5.6	6.3	7	7.2	8	7	7
		40	355 (36.2)	30.4	6.4	7.2	8	8.1	9	8	8
		45	316 (32.2)	34.2	7.2	8.1	9	9.9	10	9	9
		50	284 (29.0)	38	8	9	10	10.8	11	10	10
		55	259 (26.4)	41.8	8.8	9.9	11	11.7	12	11	11
		60	237 (24.2)	45.6	9.6	10.8	12	12.6	13	12	12
		65	219 (22.3)	49.4	10.4	11.7	13	13.5	14	13	13
		70	203 (20.7)	53.2	11.2	12.6	14	14.4	15	14	14
		75	190 (19.3)	57	12	13.5	15	15.3	16	15	15
		80	178 (18.1)	60.8	12.8	14.4	16	16.2	17	16	16
		90	158 (16.1)	68.4	14.4	16.2	18	17.1	19	17	17
		100	142 (14.5)	76	16	18	20	18	19	18	18
		125	114 (11.6)	95	20	22.5	25	22.5	25	24	24
		150	94.8 (9.7)	114	24	27	30	27	30	27	27
		175	81.3 (8.3)	133	28	31.5	35	31.5	35	30	30
30	15	25	706 (72.0)	19	4	4.5	5	5.4	6	5	5
		30	588 (60.0)	22.8	4.8	5.4	6	6.3	7	6	6
		35	504 (51.4)	26.6	5.6	6.3	7	7.2	8	7	7
		40	441 (45.0)	30.4	6.4	7.2	8	8.1	9	8	8
		45	392 (40.0)	34.2	7.2	8.1	9	9.9	10	9	9
		50	353 (36.0)	38	8	9	10	10.8	11	10	10
		55	321 (32.7)	41.8	8.8	9.9	11	11.7	12	11	11
		60	294 (30.0)	45.6	9.6	10.8	12	12.6	13	12	12
		65	272 (27.7)	49.4	10.4	11.7	13	13.5	14	13	13
		70	252 (25.7)	53.2	11.2	12.6	14	14.4	15	14	14
		75	235 (24.0)	57	12	13.5	15	14.4	16	15	15
		80	221 (22.5)	60.8	12.8	14.4	16	15.3	17	16	16
		90	196 (20.0)	68.4	14.4	16.2	18	17.1	19	17	17
		100	177 (18.0)	76	16	18	20	18	19	18	18
		125	141 (14.4)	95	20	22.5	25	22.5	25	24	24
		150	118 (12.0)	114	24	27	30	27	30	27	27
		175	101 (10.3)	133	28	31.5	35	31.5	35	30	30
35	17.5	200	88.3 (9.0)	152	32	36	40	36	40	36	36
		40	600 (61.2)	31	6.4	7.2	8	8.1	9	8	8
		45	534 (54.4)	34.8	7.2	8.1	9	9.9	10	9	9
		50	480 (49.0)	38.7	8	9	10	10.8	11	10	10
		55	437 (44.5)	42.6	8.8	9.9	11	11.7	12	11	11
		60	400 (40.8)	46.4	9.6	10.8	12	12.6	13	12	12
		65	369 (37.7)	50.3	10.4	11.7	13	13.5	14	13	13
		70	343 (35.0)	54.2	11.2	12.6	14	14.4	15	14	14
		75	320 (32.6)	58.1	12	13.5	15	14.4	16	15	15
		80	300 (30.6)	61.9	12.8	14.4	16	15.3	17	16	16
		90	267 (27.2)	69.7	14.4	16.2	18	17.1	19	17	17
		100	240 (24.5)	77.4	16	18	20	18	19	18	18
		125	192 (19.6)	96.8	20	22.5	25	22.5	25	24	24
		150	160 (16.3)	116.1	24	27	30	27	30	27	27
		175	137 (14.0)	135.5	28	31.5</					

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J2
弹簧

① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = L×16%		S = L×18%		S = L×20%		
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	
						100 万次		50 万次		30 万次		
DSYK	50	25		980 (100.0)	38.7	8	7840 (800)	9	8820 (900)	10	9800 (1000)	
				55	891 (90.9)	42.6		8.8		9.9		11
				60	817 (83.3)	46.4		9.6		10.8		12
				65	754 (76.9)	50.3		10.4		11.7		13
				70	700 (71.4)	54.2		11.2		12.6		14
				75	653 (66.7)	58.1		12		13.5		15
				80	613 (62.5)	61.9		12.8		14.4		16
				90	544 (55.6)	69.7		14.4		16.2		18
				100	490 (50.0)	77.4		16		18		20
				125	392 (40.0)	96.8		20		22.5		25
				150	327 (33.3)	116.1		24		27		30
				175	280 (28.6)	135.5		28		31.5		35
				200	245 (25.0)	154.8		32		36		40
				225	218 (22.2)	174.2		36		40.5		45
				250	196 (20.0)	193.5		40		45		50
	275	178 (18.2)	212.9	44	49.5	55						
	300	163 (16.7)	232.2	48	54	60						
	350	140 (14.3)	270.9	56	63	70						
	60	30		1176 (120.0)	46.4	9.6	11290 (1152)	10.8	12701 (1296)	12	14112 (1440)	
				70	1008 (102.9)	53.2		11.2		12.6		14
				80	882 (90.0)	61.9		12.8		14.4		16
				90	784 (80.0)	69.7		14.4		16.2		18
				100	706 (72.0)	77.4		16		18		20
				125	564 (57.6)	96.8		20		22.5		25
				150	470 (48.0)	116.1		24		27		30
				175	403 (41.1)	135.5		28		31.5		35
				200	353 (36.0)	154.8		32		36		40
				225	314 (32.0)	174.2		36		40.5		45
				250	282 (28.8)	193.5		40		45		50
				275	257 (26.2)	212.9		44		49.5		55
				300	235 (24.0)	232.2		48		54		60
				350	202 (20.6)	270.9		56		63		70
				70	38.5			1219 (124.3)		54.2		11.2
	80	1067 (108.8)	61.9				12.8	14.4	16			
	90	948 (96.7)	69.7				14.4	16.2	18			
100	853 (87.0)	77.4	16				18	20				
125	683 (69.6)	96.8	20				22.5	25				
150	569 (58.0)	116.1	24				27	30				
175	488 (49.7)	135.5	28				31.5	35				
200	427 (43.5)	154.8	32				36	40				
250	341 (34.8)	193.5	40				45	50				
300	284 (29.0)	232.2	48				54	60				
350	244 (24.9)	270.9	56				63	70				

■ 载荷计算方法

载荷 = 弹簧系数 × 压缩量

(国际单位) $N = N/mm \times Smm$

$kgf = kgf/mm \times Fmm$

($kgf = N \times 0.101972$)

▲ 压紧长度为参考值，且因生产批次不同会稍有偏差。

▲ 弹簧颜色与圈数可能会因为生产批次不同而异，但规格均符合目录标准，请放心使用