

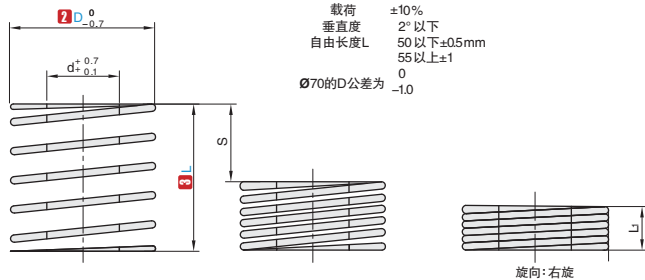
JIS 标准矩形模具弹簧

轻载荷型

■轻载荷型



① 代号	类型	[M] 材质
DSVK	轻载荷型	SWOSC-V 相当



订购编号示例

① 代号	-	② D	-	③ L
DSVK	-	D6	-	L15

① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×32%		S=L×36%		S=L×40%	
						S	载荷 N	S	载荷 N	S	载荷 N
						(mm)	(kgf)	(mm)	(kgf)	(mm)	(kgf)
使用次数						100 万次		50 万次		30 万次	
DSVK	6	3	15	13.1(1.33)	8.6	4.8	5.4	6	7.2	8	8
			20	9.8(1.00)	11.5	6.4	7.2	8	8	8	
			25	7.8(0.80)	14.4	8	9	10	10	78	
			30	6.5(0.67)	17.2	9.6	10.8	12	12	(8.0)	
			35	5.6(0.57)	20.1	11.2	12.6	14	14		
	40	4.9(0.50)	23	12.8	14.4	16	16				
	8	4	10	24.5(2.50)	5.4	3.2	3.6	4	9	10	10
			15	16.3(1.67)	8.1	4.8	5.4	6	6		
			20	12.3(1.25)	10.8	6.4	7.2	8	8		
			25	9.8(1.00)	13.5	8	9	10	10		
			30	8.2(0.83)	16.2	9.6	10.8	12	12		
			35	7.0(0.71)	18.9	11.2	12.6	14	14		
			40	6.1(0.63)	21.6	12.8	14.4	16	16		
			45	5.4(0.56)	24.3	14.4	16.2	18	18	98	
			50	4.9(0.50)	27	16	18	20	20	(10)	
			55	4.5(0.45)	29.7	17.6	19.8	22	22		
	10	5	10	34.3(3.50)	5.4	3.2	3.6	4	9	10	10
			15	22.9(2.33)	8.1	4.8	5.4	6	6		
			20	17.2(1.75)	10.8	6.4	7.2	8	8		
			25	13.7(1.40)	13.5	8	9	10	10		
30			11.4(1.17)	16.2	9.6	10.8	12	12			
35			9.8(1.00)	18.9	11.2	12.6	14	14			
40			8.6(0.88)	21.6	12.8	14.4	16	16			
45			7.6(0.78)	24.3	14.4	16.2	18	18	137		
50			6.9(0.70)	27	16	18	20	20	(14)		
55			6.2(0.64)	29.7	17.6	19.8	22	22			
12	6	10	42.9(4.38)	5.4	3.2	3.6	4	9	10	10	
		15	28.6(2.92)	8.1	4.8	5.4	6	6			
		20	21.5(2.19)	10.8	6.4	7.2	8	8			
		25	16.1(1.64)	13.5	8	9	10	10			
		30	13.7(1.40)	16.2	9.6	10.8	12	12			
		35	11.9(1.21)	18.9	11.2	12.6	14	14			
		40	10.4(1.06)	21.6	12.8	14.4	16	16			
		45	9.2(0.93)	24.3	14.4	16.2	18	18			
		50	8.2(0.84)	27	16	18	20	20			
		55	7.4(0.75)	29.7	17.6	19.8	22	22			

① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×32%		S=L×36%		S=L×40%	
						S	载荷 N	S	载荷 N	S	载荷 N
						(mm)	(kgf)	(mm)	(kgf)	(mm)	(kgf)
使用次数						100 万次		50 万次		30 万次	
DSVK	12	6	30	17.2(1.75)	16.2	9.6	10.8	12	12	206	21
			35	14.7(1.50)	18.9	11.2	12.6	14	14		
			40	12.9(1.31)	21.6	12.8	14.4	16	16		
			45	11.4(1.17)	24.3	14.4	16.2	18	18		
			50	10.3(1.05)	27	16	18	20	20		
			55	9.4(0.95)	29.7	17.6	19.8	22	22		
			60	8.6(0.88)	32.4	19.2	21.6	24	24		
			65	7.9(0.81)	35.1	20.8	23.4	26	26		
			70	7.4(0.75)	37.8	22.4	25.2	28	28		
			75	6.9(0.70)	40.5	24	27	30	30		
	14	7	20	34.3(3.50)	10.8	6.4	7.2	8	8	275	28
			25	27.5(2.80)	13.5	8	9	10	10		
			30	22.9(2.33)	16.2	9.6	10.8	12	12		
			35	19.6(2.00)	18.9	11.2	12.6	14	14		
			40	17.2(1.75)	21.6	12.8	14.4	16	16		
			45	15.3(1.56)	24.3	14.4	16.2	18	18		
			50	13.7(1.40)	27	16	18	20	20		
			55	12.5(1.27)	29.7	17.6	19.8	22	22		
			60	11.4(1.17)	32.4	19.2	21.6	24	24		
			65	10.6(1.08)	35.1	20.8	23.4	26	26		
16	8	20	42.9(4.38)	10.8	6.4	7.2	8	8	343	35	
		25	34.3(3.50)	13.5	8	9	10	10			
		30	28.6(2.92)	16.2	9.6	10.8	12	12			
		35	24.5(2.50)	18.9	11.2	12.6	14	14			
		40	21.5(2.19)	21.6	12.8	14.4	16	16			
		45	19.1(1.94)	24.3	14.4	16.2	18	18			
		50	17.2(1.75)	27	16	18	20	20			
		55	15.6(1.59)	29.7	17.6	19.8	22	22			
		60	14.3(1.46)	32.4	19.2	21.6	24	24			
		65	13.2(1.35)	35.1	20.8	23.4	26	26			

JIS 标准矩形模具弹簧

轻载荷型

J2
弹簧

代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧 长度 L1 (mm)	S=L×32%		S=L×36%		S=L×40%	
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)
18	9	18	9	52.7 (5.38)	10.8	6.4	7.2	8	10	8	10
				42.2 (4.30)	13.5	8	9	10	8	10	
				35.1 (3.58)	16.2	9.6	10.8	12	12	14	
				30.1 (3.07)	18.9	11.2	12.6	14	16	18	
				26.4 (2.69)	21.6	12.8	14.4	16	18	20	
				23.4 (2.39)	24.3	14.4	16.2	18	20	22	
				21.1 (2.15)	27	16	18	20	22	24	
				19.2 (1.95)	29.7	17.6	19.8	22	24	26	
				17.6 (1.79)	32.4	19.2	21.6	24	26	28	
				16.2 (1.65)	35.1	20.8	23.4	26	28	30	
				15.1 (1.54)	37.8	22.4	25.2	28	30	32	
				14.1 (1.43)	40.5	24	27	30	32	34	
				13.2 (1.34)	43.2	25.6	28.8	32	34	36	
				11.7 (1.19)	48.6	28.8	32.4	36	40	44	
				10.5 (1.08)	54	32	36	40	44	48	
8.4 (0.86)	67.5	40	45	50	55	60					
20	10	20	10	66.2 (6.75)	10.8	6.4	7.2	8	10	8	10
				53.0 (5.40)	13.5	8	9	10	12	14	
				44.1 (4.50)	16.2	9.6	10.8	12	14	16	
				37.8 (3.86)	18.9	11.2	12.6	14	16	18	
				33.1 (3.38)	21.6	12.8	14.4	16	18	20	
				29.4 (3.00)	24.3	14.4	16.2	18	20	22	
				26.5 (2.70)	27	16	18	20	22	24	
				24.1 (2.45)	29.7	17.6	19.8	22	24	26	
				22.1 (2.25)	32.4	19.2	21.6	24	26	28	
				20.4 (2.08)	35.1	20.8	23.4	26	28	30	
				18.9 (1.93)	37.8	22.4	25.2	28	30	32	
				17.7 (1.80)	40.5	24	27	30	32	34	
				16.5 (1.69)	43.2	25.6	28.8	32	34	36	
				14.7 (1.50)	48.6	28.8	32.4	36	40	44	
				13.2 (1.35)	54	32	36	40	44	48	
10.6 (1.08)	67.5	40	45	50	55	60					
8.8 (0.90)	81	48	54	60	66	72					
7.5 (2.23)	40.5	24	27	30	32	34					
6.0 (2.09)	43.2	25.6	28.8	32	34	36					
4.8 (1.86)	48.6	28.8	32.4	36	40	44					
3.6 (1.68)	54	32	36	40	44	48					
2.7 (1.34)	67.5	40	45	50	55	60					
2.1 (1.12)	81	48	54	60	66	72					
22	11	22	11	65.7 (6.70)	13.5	8	9	10	12	14	16
				54.8 (5.58)	16.2	9.6	10.8	12	14	16	
				46.9 (4.79)	18.9	11.2	12.6	14	16	18	
				41.1 (4.19)	21.6	12.8	14.4	16	18	20	
				36.5 (3.72)	24.3	14.4	16.2	18	20	22	
				32.9 (3.35)	27	16	18	20	22	24	
				29.9 (3.05)	29.7	17.6	19.8	22	24	26	
				27.4 (2.79)	32.4	19.2	21.6	24	26	28	
				25.3 (2.58)	35.1	20.8	23.4	26	28	30	
				23.5 (2.39)	37.8	22.4	25.2	28	30	32	
				21.9 (2.23)	40.5	24	27	30	32	34	
				20.5 (2.09)	43.2	25.6	28.8	32	34	36	
				18.3 (1.86)	48.6	28.8	32.4	36	40	44	
				16.4 (1.68)	54	32	36	40	44	48	
				13.1 (1.34)	67.5	40	45	50	55	60	
11.0 (1.12)	81	48	54	60	66	72					
25	12.5	25	12.5	82.4 (8.40)	13.5	8	9	10	12	14	16
				68.6 (7.00)	16.2	9.6	10.8	12	14	16	
				58.8 (6.00)	18.9	11.2	12.6	14	16	18	
				51.5 (5.25)	21.6	12.8	14.4	16	18	20	
				45.8 (4.67)	24.3	14.4	16.2	18	20	22	
				41.2 (4.20)	27	16	18	20	22	24	
				37.4 (3.82)	29.7	17.6	19.8	22	24	26	
				34.3 (3.50)	32.4	19.2	21.6	24	26	28	
				31.7 (3.23)	35.1	20.8	23.4	26	28	30	
				29.4 (3.00)	37.8	22.4	25.2	28	30	32	
				27.5 (2.80)	40.5	24	27	30	32	34	
				25.7 (2.63)	43.2	25.6	28.8	32	34	36	
				22.9 (2.33)	48.6	28.8	32.4	36	40	44	

代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧 长度 L1 (mm)	S=L×32%		S=L×36%		S=L×40%	
						S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)	S (mm)	载荷 N (kgf)
27	13.5	27	13.5	100	20.6 (2.10)	54	32	36	40	36	40
				125	16.5 (1.68)	67.5	40	45	50	45	50
				150	13.7 (1.40)	81	48	54	60	54	60
				175	11.8 (1.20)	94.5	56	63	70	63	70
				200	10.3 (1.05)	108	64	72	80	72	80
				25	98.1 (10.0)	13.5	8	9	10	9	10
				30	81.7 (8.33)	16.2	9.6	10.8	12	10.8	12
				35	70.0 (7.14)	18.9	11.2	12.6	14	12.6	14
				40	61.3 (6.25)	21.6	12.8	14.4	16	14.4	16
				45	54.5 (5.56)	24.3	14.4	16.2	18	16.2	18
				50	49.0 (5.00)	27	16	18	20	18	20
				55	44.6 (4.55)	29.7	17.6	19.8	22	19.8	22
				60	40.9 (4.17)	32.4	19.2	21.6	24	21.6	24
				65	37.7 (3.85)	35.1	20.8	23.4	26	23.4	26
				70	35.0 (3.57)	37.8	22.4	25.2	28	25.2	28
75	32.7 (3.33)	40.5	24	27	30	27	30				
80	30.6 (3.13)	43.2	25.6	28.8	32	28.8	32				
90	27.2 (2.78)	48.6	28.8	32.4	36	32.4	36				
100	24.5 (2.50)	54	32	36	40	36	40				
125	19.6 (2.00)	67.5	40	45	50	45	50				
150	16.3 (1.67)	81	48	54	60	54	60				
175	14.0 (1.43)	94.5	56	63	70	63	70				
200	12.3 (1.25)	108	64	72	80	72	80				
30	15	30	15	25	119 (12.1)	13.5	8	9	10	9	10
				30	98.8 (10.1)	16.2	9.6	10.8	12	10.8	12
				35	84.7 (8.64)	18.9	11.2	12.6	14	12.6	14
				40	74.1 (7.56)	21.6	12.8	14.4	16	14.4	16
				45	65.9 (6.72)	24.3	14.4	16.2	18	16.2	18
				50	59.3 (6.05)	27	16	18	20	18	20
				55	53.9 (5.50)	29.7	17.6	19.8	22	19.8	22
				60	49.4 (5.04)	32.4	19.2	21.6	24	21.6	24
				65	45.6 (4.65)	35.1	20.8	23.4	26	23.4	26
				70	42.4 (4.32)	37.8	22.4	25.2	28	25.2	28
				75	39.5 (4.03)	40.5	24	27	30	27	30
				80	37.1 (3.78)	43.2	25.6	28.8	32	28.8	32
				90	32.9 (3.36)	48.6	28.8	32.4	36	32.4	36
				100	29.7 (3.02)	54	32	36	40	36	40
				125	23.7 (2.42)	67.5	40	45	50	45	50
150	19.8 (2.02)	81	48	54	60	54	60				
175	16.9 (1.73)	94.5	56	63	70	63	70				
200	14.8 (1.51)	108	64	72	80	72	80				
35	17.5	35	17.5	40	101 (10.3)	21.6	12.8	14.4	16	14.4	16
				45	89.8 (9.16)	24.3	14.4	16.2	18	16.2	18
				50	80.9 (8.24)	27	16	18	20	18	20
				55	73.5 (7.49)	29.7	17.6	19.8	22	19.8	22
				60	67.4 (6.87)	32.4	19.2	21.6	24	21.6	24
				65	62.2 (6.34)	35.1	20.8	23.4	26	23.4	26
				70	57.8 (5.89)	37.8	22.4	25.2	28	25.2	28
				75	53.9 (5.50)	40.5	24	27	30	27	30
				80	50.5 (5.15)	43.2	25.6	28.8	32	28.8	32
				90	44.9 (4.58)	48.6	28.8	32.4	36	32.4	36
				100	40.4 (4.12)	54	32	36	40	36	40
				125	32.3 (3.30)	67.5	40	45	50	45	50
				150	27.0 (2.75)	81	48	54	60	54	60
				175	23.1 (2.36)	94.5	56	63	70	63	70
				200	20.2 (2.06)	108	64	72	80	72	80
40	20	40	20	40	132 (13.5)	21.6	12.8	14.4	16	14.4	16
				45	118 (12.0)	25.8	14.4	16.2	18	16.2	18
				50	106 (10.8)	27	16	18	20	18	20
				55	96.2 (9.81)	31.6	17.6	19.8	22	19.8	22
				60	88.2 (8.99)	32.4	19.2	21.6	24	21.6	24
				65	81.4 (8.30)	37.3	20.8	23.4	26	23.4	26
				70	75.6 (7.71)	37.8	22.4	25.2	28	25.2	28
				75	70.6 (7.20)	43.1	24	27	30	27	30
				80	66.2 (6.75)	45.9	25.6	28.8	32	28.8	32
				90	58.8 (6.00)	48.6	28.8	32.4	36	32.4	36
				100	52.9 (5.40)	54	32	36	40	36	40
				125	42.3 (4.32)	67.5	40	45	50	45	50

JIS 标准矩形模具弹簧

轻小载荷型

① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×32%		S=L×36%		S=L×40%	
						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	
使用次数						100 万次		50 万次		30 万次	
DSVK	40	150	20	35.3 (3.60)	81	48	1694 (173)	54	1905 (194)	60	2117 (216)
		175		30.2 (3.08)	94.5	56		63		70	
		200		26.5 (2.70)	108	64		72		80	
		225		23.5 (2.40)	122	72		81		90	
		250		21.2 (2.16)	135	80		90		100	
		275		19.2 (1.96)	149	88		99		110	
	300	17.6 (1.80)	172.2	96	108	120					
	50	50	25	166 (16.9)	27	16	2650 (270)	18	2981 (304)	20	3312 (338)
		55		151 (15.4)	29.7	17.6		19.8		22	
		60		138 (14.1)	32.4	19.2		21.6		24	
		65		127 (13.0)	35.1	20.8		23.4		26	
		70		118 (12.1)	37.8	22.4		25.2		28	
		75		110 (11.3)	40.5	24		27		30	
		80		104 (10.6)	43.2	25.6		28.8		32	
		90		92 (9.38)	48.6	28.8		32.4		36	
		100		82.8 (8.44)	54	32		36		40	
		125		66.2 (6.75)	67.5	40		45		50	
		150		55.2 (5.63)	81	48		54		60	
		175		47.3 (4.82)	94.5	56		63		70	
		200		41.4 (4.22)	108	64		72		80	
		225		36.8 (3.75)	122	72		81		90	
		250		33.1 (3.38)	135	80		90		100	
		275		30.1 (3.07)	149	88		99		110	
		300		27.6 (2.81)	172.2	96		108		120	
		350		23.7 (2.41)	200.9	112		126		140	
	400	20.7 (2.11)	216	128	144	160					
	450	18.4 (1.88)	243	144	162	180					
	500	16.6 (1.69)	270	160	180	200					
	60	60	30	199 (20.3)	32.4	19.2	3816 (389)	21.6	4293 (438)	24	4770 (486)
		70		170 (17.4)	37.8	22.4		25.2		28	
		80		149 (15.2)	43.2	25.6		28.8		32	
		90		133 (13.5)	48.6	28.8		32.4		36	
		100		119 (12.2)	54	32		36		40	
		125		95.4 (9.73)	67.5	40		45		50	
		150		79.5 (8.11)	81	48		54		60	
		175		68.1 (6.95)	94.5	56		63		70	
		200		59.6 (6.08)	108	64		72		80	
		225		53 (5.40)	122	72		81		90	
		250		47.7 (4.86)	135	80		90		100	
		275		43.4 (4.42)	149	88		99		110	
		300		39.8 (4.05)	172.2	96		108		120	
		350		34.1 (3.47)	200.9	112		126		140	
		400		29.8 (3.04)	216	128		144		160	
		450		26.5 (2.70)	243	144		162		180	
		500		23.9 (2.43)	270	160		180		200	
		70		70	38.5	214 (21.8)		40.2		22.4	
	80		187 (19.0)	45.9		25.6	28.8	32			
	90		166 (16.9)	51.7		28.8	32.4	36			
	100		149 (15.2)	57.4		32	36	40			
	125		120 (12.2)	71.8		40	45	50			
	150		99.6 (10.2)	86.1		48	54	60			
	175		85.4 (8.71)	100.5		56	63	70			
	200		74.7 (7.62)	114.8		64	72	80			
	250		59.8 (6.10)	143.5		80	90	100			
	300		49.8 (5.08)	172.2		96	108	120			
	350	42.7 (4.35)	200.9	112	126	140					

■ 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

J2
弹
簧