

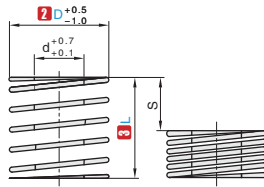
JIS 标准矩形模具弹簧

轻小载荷型

■轻小载荷型



①代号	类型	□材质
DSSK	轻小载荷型	SWOSC-V 相当



载荷 ±10%
 垂直度 2° 以下
 自由长度 L 50 以下 ±0.5mm
 55 以上 ±1%
 Ø70 的 D 公差为 $\begin{matrix} 0 \\ -1.0 \end{matrix}$

旋向：右旋

订购编号示例

①代号	-	② D	-	③ L
DSSK	-	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×40%		S = L×45%		S = L×50%		
						S	载荷 N (kgf)	S	载荷 N (kgf)	S	载荷 N (kgf)	
						使用次数		100 万次		50 万次		30 万次
DSSK	6	3	15	7.8(0.80)	7.1	6	6.8	7.5	6.8	7.5	6.8	7.5
			20	5.9(0.60)	9.5	8	9	10	9	10	9	10
			25	4.7(0.48)	11.9	10	11.3	53	12.5	59	12.5	59
			30	3.9(0.40)	14.2	12	13.5	(5.4)	15	(6.0)	15	(6.0)
			35	3.4(0.34)	16.6	14	15.8		17.5		17.5	
	40	2.9(0.30)	19	16	18		20		20			
	8	4	10	15.7(1.60)	4.5	4	4.5	5	4.5	5	4.5	5
			15	10.5(1.07)	6.8	6	6.8	7.5	6.8	7.5	6.8	7.5
			20	7.8(0.80)	9	8	9	10	9	10	9	10
			25	6.3(0.64)	11.3	10	11.2	12.5	11.2	12.5	11.2	12.5
			30	5.2(0.53)	13.5	12	13.5	15	13.5	15	13.5	15
			35	4.5(0.46)	15.8	14	15.7	17.5	15.7	17.5	15.7	17.5
			40	3.9(0.40)	18	16	18	20	18	20	18	20
			45	3.5(0.36)	20.3	18	20.2	71	22.5	79	22.5	79
			50	3.1(0.32)	22.5	20	22.5	(7.2)	25	(8.0)	25	(8.0)
			55	2.9(0.29)	24.8	22	24.7		27.5		27.5	
	60	2.6(0.27)	27	24	27		30		30			
	65	2.4(0.25)	30.8	26	29.3		32.5		32.5			
	70	2.2(0.23)	33.2	28	31.5		35		35			
	75	2.1(0.21)	35.6	30	33.8		37.5		37.5			
80	2.0(0.20)	37.9	32	36		40		40				
10	5	10	19.6 (2.00)	4.5	4	4.5	5	4.5	5	4.5	5	
		15	13.1(1.33)	6.8	6	6.8	7.5	6.8	7.5	6.8	7.5	
		20	9.8(1.00)	9	8	9	10	9	10	9	10	
		25	7.8(0.80)	11.3	10	11.2	12.5	11.2	12.5	11.2	12.5	
		30	6.5(0.67)	13.5	12	13.5	15	13.5	15	13.5	15	
		35	5.9(0.57)	15.8	14	15.7	17.5	15.7	17.5	15.7	17.5	
		40	4.9(0.50)	18	16	18	20	18	20	18	20	
		45	4.4(0.44)	20.3	18	20.2	88	22.5	98	22.5	98	
		50	3.9(0.40)	22.5	20	22.5	(9.0)	25	(10)	25	(10)	
		55	3.6(0.36)	24.8	22	24.7		27.5		27.5		
		60	3.3(0.33)	27	24	27		30		30		
		65	3.0(0.31)	29.3	26	29.2		32.5		32.5		
		70	2.8(0.29)	31.5	28	31.5		35		35		
		75	2.6(0.27)	33.8	30	33.7		37.5		37.5		
		80	2.5(0.25)	36	32	36		40		40		
90	2.2(0.22)	40.5	36	40.5		45		45				
12	6	15	18.3(1.87)	6.8	6	6.8	7.5	6.8	7.5	6.8	7.5	
		20	13.7(1.40)	9	8	9	10	9	10	9	10	
		25	11.0(1.12)	11.3	10	11.2	12.5	11.2	12.5	11.2	12.5	
		30	9.2(0.93)	13.5	12	9.2	12.5	13.5	12	9.2	12.5	
		35	7.8(0.80)	15.8	14	7.8	15.8	15.8	14	7.8	15.8	

①代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧 长度 L1 (mm)	S = L×40%		S = L×45%		S = L×50%		
						S	载荷 N (kgf)	S	载荷 N (kgf)	S	载荷 N (kgf)	
						使用次数		100 万次		50 万次		30 万次
DSSK	12	6	15	18.3(1.87)	6.8	6	6.8	7.5	6.8	7.5	6.8	7.5
			20	13.7(1.40)	9	8	9	10	9	10	9	10
			25	11.0(1.12)	11.3	10	11.2	12.5	11.2	12.5	11.2	12.5
			30	9.2(0.93)	13.5	12	9.2	12.5	13.5	12	9.2	12.5
			35	7.8(0.80)	15.8	14	7.8	15.8	15.8	14	7.8	15.8
	40	6.9(0.70)	18	16	6.9	18	18	16	6.9	18		
	45	6.1(0.62)	20.3	18	6.1	20.3	20.3	18	6.1	20.3		
	50	5.5(0.56)	22.5	20	5.5	22.5	22.5	20	5.5	22.5		
	55	5.0(0.51)	24.8	22	5.0	24.8	24.8	22	5.0	24.8		
	60	4.6(0.47)	27	24	4.6	27	27	24	4.6	27		
	65	4.2(0.43)	29.3	26	4.2	29.3	29.3	26	4.2	29.3		
	70	3.9(0.40)	31.5	28	3.9	31.5	31.5	28	3.9	31.5		
	75	3.7(0.37)	33.8	30	3.7	33.8	33.8	30	3.7	33.8		
	80	3.4(0.35)	36	32	3.4	36	36	32	3.4	36		
	90	3.1(0.31)	40.5	36	3.1	40.5	40.5	36	3.1	40.5		
	14	7	20	17.7(1.80)	9	8	9	10	9	10	9	10
			25	14.1(1.44)	11.3	10	14.1	11.3	10	14.1	11.3	10
			30	11.8(1.20)	13.5	12	11.8	12	13.5	12	11.8	12
			35	10.1(1.03)	15.8	14	10.1	15.8	15.8	14	10.1	15.8
			40	8.8(0.90)	18	16	8.8	18	18	16	8.8	18
45			7.8(0.80)	20.3	18	7.8	20.3	20.3	18	7.8	20.3	
50			7.1(0.72)	22.5	20	7.1	22.5	22.5	20	7.1	22.5	
55			6.4(0.65)	24.8	22	6.4	24.8	24.8	22	6.4	24.8	
60			5.9(0.60)	27	24	5.9	27	27	24	5.9	27	
65			5.4(0.55)	29.3	26	5.4	29.3	29.3	26	5.4	29.3	
16	8	20	20.6(2.10)	9	8	9	10	9	10	9	10	
		25	16.5(1.68)	11.3	10	16.5	11.3	10	16.5	11.3	10	
		30	13.7(1.40)	13.5	12	13.7	13.5	13.5	12	13.7	13.5	
		35	11.8(1.20)	15.8	14	11.8	15.8	15.8	14	11.8	15.8	
		40	10.3(1.05)	18	16	10.3	18	18	16	10.3	18	
		45	9.2(0.93)	20.3	18	9.2	20.3	20.3	18	9.2	20.3	
		50	8.2(0.84)	22.5	20	8.2	22.5	22.5	20	8.2	22.5	
		55	7.5(0.76)	24.8	22	7.5	24.8	24.8	22	7.5	24.8	
		60	6.9(0.70)	27	24	6.9	27	27	24	6.9	27	
		65	6.3(0.65)	29.3	26	6.3	29.3	29.3	26	6.3	29.3	
70	5.9(0.60)	31.5	28	5.9	31.5	31.5	28	5.9	31.5			

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轻小载荷型

①代号	②D	③L	d	弹簧系数 N/mm (kgf/mm)	压紧 长度 L1 (mm)	S = L×40%		S = L×45%		S = L×50%	
						S	载荷 N (kgf)	S	载荷 N (kgf)	S	载荷 N (kgf)
						使用次数		100万次		50万次	
DSSK	16	75	9	5.5(0.56)	33.8	30	33.7	37.5	206	21	
		80		5.1(0.53)	36	32	36	40	21		
		90		4.6(0.47)	40.5	36	40.5	45	21		
		100		4.1(0.42)	45	40	45	50	21		
		125		3.3(0.34)	56.3	50	56.3	62.5	21		
	18	20	25.5(2.60)	9	8	9	10	255	26		
		25	20.4(2.08)	11.3	10	11.2	12.5	26			
		30	17.0(1.73)	13.5	12	13.5	15	26			
		35	14.6(1.49)	15.8	14	15.7	17.5	26			
		40	12.7(1.30)	18	16	18	20	26			
		45	11.3(1.16)	20.3	18	20.2	22.5	26			
		50	10.2(1.04)	22.5	20	22.5	25	26			
		55	9.3(0.95)	24.8	22	24.7	27.5	26			
		60	8.5(0.87)	27	24	27	30	26			
		65	7.8(0.80)	29.3	26	29.2	32.5	26			
20	20	31.4(3.20)	9	8	9	10	314	32			
	25	25.1(2.56)	11.3	10	11.2	12.5	32				
	30	20.9(2.13)	13.5	12	13.5	15	32				
	35	17.9(1.83)	15.8	14	15.7	17.5	32				
	40	15.7(1.60)	18	16	18	20	32				
	45	13.9(1.42)	20.3	18	20.2	22.5	32				
	50	12.6(1.28)	22.5	20	22.5	25	32				
	55	11.4(1.16)	24.8	22	24.7	27.5	32				
	60	10.5(1.07)	27	24	27	30	32				
	65	9.7(0.98)	29.3	26	29.2	32.5	32				
22	25	31.4(3.20)	11.3	10	11.2	12.5	314	40			
	30	26.2(2.67)	13.5	12	13.5	15	40				
	35	22.4(2.29)	15.8	14	15.7	17.5	40				
	40	19.6(2.00)	18	16	18	20	40				
	45	17.4(1.78)	20.3	18	20.2	22.5	40				
	50	15.7(1.60)	22.5	20	22.5	25	40				
	55	14.3(1.45)	24.8	22	24.7	27.5	40				
	60	13.1(1.33)	27	24	27	30	40				
	65	12.1(1.23)	29.3	26	29.2	32.5	40				
	70	11.2(1.14)	31.5	28	31.5	35	40				
25	25	39.2(4.00)	11.3	10	11.2	12.5	392	50			
	30	32.7(3.33)	13.5	12	13.5	15	50				
	35	28.0(2.86)	15.8	14	15.7	17.5	50				
	40	24.5(2.50)	18	16	18	20	50				
	45	21.8(2.22)	20.3	18	20.2	22.5	50				
	50	19.6(2.00)	22.5	20	22.5	25	50				
	55	17.8(1.82)	24.8	22	24.7	27.5	50				
	60	16.3(1.67)	27	24	27	30	50				
	65	15.1(1.54)	29.3	26	29.2	32.5	50				
	70	14.0(1.43)	31.5	28	31.5	35	50				

①代号	②D	③L	d	弹簧系数 N/mm (kgf/mm)	压紧 长度 L1 (mm)	S = L×40%		S = L×45%		S = L×50%	
						S	载荷 N (kgf)	S	载荷 N (kgf)	S	载荷 N (kgf)
						使用次数		100万次		50万次	
DSSK	25	125	13.5	7.8(0.80)	56.3	50	56.2	490	50		
		150		6.5(0.67)	67.5	60	67.5	75	50		
		175		5.6(0.57)	78.8	70	78.7	87.5	50		
		200		4.9(0.50)	90	80	90	100	50		
		25		47.1(4.80)	11.3	10	11.2	12.5	50		
	27	30	39.2(4.00)	13.5	12	13.5	15	50			
		35	33.6(3.43)	15.8	14	15.7	17.5	50			
		40	29.4(3.00)	18	16	18	20	50			
		45	26.2(2.67)	20.3	18	20.2	22.5	50			
		50	23.5(2.40)	22.5	20	22.5	25	50			
		55	21.4(2.18)	24.8	22	24.7	27.5	50			
		60	19.6(2.00)	27	24	27	30	50			
		65	18.1(1.85)	29.3	26	29.2	32.5	50			
		70	16.8(1.71)	31.5	28	31.5	35	50			
		75	15.7(1.60)	33.8	30	33.7	37.5	50			
		80	14.7(1.50)	36	32	36	40	50			
		90	13.1(1.33)	40.5	36	40.5	45	50			
		100	11.8(1.20)	45	40	45	50	50			
		125	9.4(0.96)	56.3	50	56.2	62.5	50			
		150	7.8(0.80)	67.5	60	67.5	75	50			
175	6.7(0.69)	78.8	70	78.7	87.5	50					
200	5.9(0.60)	90	80	90	100	50					
30	25	56.5(5.76)	11.3	10	11.2	12.5	565	72			
	30	47.1(4.80)	13.5	12	13.5	15	72				
	35	40.3(4.11)	15.8	14	15.7	17.5	72				
	40	35.3(3.60)	18	16	18	20	72				
	45	31.4(3.20)	20.3	18	20.2	22.5	72				
	50	28.2(2.88)	22.5	20	22.5	25	72				
	55	25.7(2.62)	24.8	22	24.7	27.5	72				
	60	23.5(2.40)	27	24	27	30	72				
	65	21.7(2.22)	29.3	26	29.2	32.5	72				
	70	20.2(2.06)	31.5	28	31.5	35	72				
	75	18.8(1.92)	33.8	30	33.7	37.5	72				
	80	17.7(1.80)	36	32	36	40	72				
	90	15.7(1.60)	40.5	36	40.5	45	72				
	100	14.1(1.44)	45	40	45	50	72				
	125	11.3(1.15)	56.3	50	56.2	62.5	72				
150	9.4(0.96)	67.5	60	67.5	75	72					
175	8.1(0.82)	78.8	70	78.7	87.5	72					
200	7.1(0.72)	90	80	90	100	72					
35	40	48.0(4.89)	18	16	18	20	768	98			
	45	42.7(4.35)	20.3	18	20.2	22.5	98				
	50	38.4(3.92)	22.5	20	22.5	25	98				
	55	34.9(3.56)	24.8	22	24.7	27.5	98				
	60	32.0(3.26)	27	24	27	30	98				
	65	29.5(3.01)	29.3	26	29.2	32.5	98				
	70	27.4(2.80)	31.5	28	31.5	35	98				
	75	25.6(2.61)	33.8	30	33.7	37.5	98				
	80	24.0(2.45)	36	32	36	40	98				
	90	21.3(2.18)	40.5	36	40.5	45	98				
	100	19.2(1.96)	45	40	45	50	98				
	125	15.4(1.57)	56.3	50	56.2	62.5	98				
	150	12.8(1.31)	67.5	60	67.5	75	98				
	175	11.0(1.12)	78.8	70	78.7	87.5	98				
	200	9.6(0.98)	90	80	90	100	98				
40	40	62.7(6.39)	18	16	18	20	1003	128			
	45	55.7(5.68)	21.3	18	20.3	22.5	128				
	50	50.2(5.11)	22.5	20	22.5	25	128				
	55	45.6(4.65)	26.1	22	24.8	27.5	128				
	60	41.8(4.26)	27	24	27	30	128				
	65	38.6(3.93)	30.8	26	29.3	32.5	128				
	70	35.8(3.65)	31.5	28	31.5	35	128				
	75	33.4(3.41)	35.6	30	33.8	37.5	128				
	80	31.4(3.20)	36	32	36	40	128				
	90	27.9(2.84)	40.5	36	40.5	45	128				
	100	25.1(2.56)	45	40	45	50	128				
	125	20.1(2.05)	56.3	50	56.2	62.5	128				
	150	16.7(1.70)	67.5	60	67.5	75	128				

J2
弹
簧

JIS 标准矩形模具弹簧

轻小载荷型

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×40%		S = L×45%		S = L×50%						
						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						
40	22	175	22	14.3 (1.46)	78.8	70	1003 (102)	78.7	1129 (115)	87.5	1254 (128)					
		200		12.5 (1.28)	90	80		90		100						
		225		11.1 (1.14)	101	90		101.3		112.5						
		250		10.0 (1.02)	112.5	100		112.5		125						
		275		9.1 (0.93)	124	110		123.8		137.5						
		300		8.4 (0.85)	142.2	120		135		150						
		50		27.5	50	78.4 (7.99)		22.5		20		1568 (160)	22.5	1764 (180)	25	1960 (200)
		55			71.3 (7.27)	24.8		22		24.8			27.5			
		60			65.3 (6.66)	27		24		27			30			
		65			60.3 (6.15)	29.3		26		29.3			32.5			
70	56.0 (5.71)	31.5	28		31.5	35										
75	52.3 (5.33)	33.8	30		33.8	37.5										
80	49.0 (5.00)	36	32		36	40										
90	43.6 (4.44)	40.5	36		40.5	45										
100	39.2 (4.00)	45	40		45	50										
125	31.4 (3.20)	56.3	50		56.2	62.5										
150	26.1 (2.66)	67.5	60	67.5	75											
175	22.4 (2.28)	78.8	70	78.7	87.5											
200	19.6 (2.00)	90	80	90	100											
225	17.4 (1.78)	101	90	101.3	112.5											
250	15.7 (1.60)	112.5	100	112.5	125											
275	14.3 (1.45)	124	110	123.8	137.5											
300	13.1 (1.33)	135	120	135	150											
350	11.2 (1.14)	165.9	140	157.5	175											
400	9.8 (1.00)	189.6	160	180	200											
450	8.7 (0.89)	213.3	180	202.5	225											
500	7.8 (0.80)	237	200	225	250											
60	33	60	33	94.0 (9.59)	27	24	2256 (230)	27	2538 (259)	30	2820 (288)					
		70		80.6 (8.22)	31.5	28		31.5		35						
		80		70.5 (7.19)	36	32		36		40						
		90		62.7 (6.39)	40.5	36		40		45						
		100		56.4 (5.75)	45	40		45		50						
		125		45.1 (4.60)	56.3	50		56.2		62.5						
		150		37.6 (3.83)	67.5	60		67.5		75						
		175		32.2 (3.29)	78.8	70		78.7		87.5						
		200		28.2 (2.88)	90	80		90		100						
		225		25.1 (2.56)	101.3	90		101.3		112.5						
250	22.6 (2.30)	112.5	100	112.5	125											
275	20.5 (2.09)	123.8	110	123.8	137.5											
300	18.8 (1.92)	135	120	135	150											
350	16.1 (1.64)	165.9	140	157.5	175											
400	14.1 (1.44)	189.6	160	180	200											
450	12.5 (1.28)	213.3	180	202.5	225											
500	11.3 (1.15)	237	200	225	250											
70	38.5	70	38.5	112 (11.4)	33.2	28	3136 (320)	31.5	3528 (360)	35	3920 (400)					
		80		98.0 (9.99)	37.9	32		36		40						
		90		87.1 (8.88)	42.7	36		40.5		45						
		100		78.4 (7.99)	47.4	40		45		50						
		125		62.7 (6.40)	59.3	50		56.3		62.5						
		150		52.3 (5.33)	71.1	60		67.5		75						
		175		44.8 (4.57)	83	70		78.8		87.5						
		200		39.2 (4.00)	94.8	80		90		100						
		250		31.4 (3.20)	118.5	100		112.5		125						
		300		26.1 (2.66)	142.2	120		135		150						
350	22.4 (2.28)	165.9	140	157.5	175											

■ 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