

JIS 标准矩形模具弹簧

中轻载荷型

代号	D	L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = L×25.6%		S = L×28.8%		S = L×32%		使用次数	100万次	50万次	30万次						
						S	载荷 N (kgf)	S	载荷 N (kgf)	S	载荷 N (kgf)										
						(mm)	(kgf)	(mm)	(kgf)	(mm)	(kgf)										
16	8			75	20.8 (2.13)	47	19.2	21.6	24			400 (41)	450 (46)	500 (51)							
				80	19.5 (1.99)	50.1	20.5	23	25.6												
				90	17.4 (1.77)	56.3	23	25.9	28.8												
				100	15.6 (1.59)	62.6	25.6	28.8	32												
				20	99.6 (10.2)	13.1	5.1	5.8	6.4												
	18	9			25	79.7 (8.13)	15.7	6.4	7.2	8			510 (52)	574 (59)	637 (65)						
					30	66.4 (6.77)	18.8	7.7	8.6	9.6											
					35	56.9 (5.80)	21.9	9	10.1	11.2											
					40	49.8 (5.08)	25	10.2	11.5	12.8											
					45	44.3 (4.51)	28.2	11.5	13	14.4											
					50	39.8 (4.06)	31.3	12.8	14.4	16											
					55	36.2 (3.69)	34.4	14.1	15.8	17.6											
					60	33.2 (3.39)	37.6	15.4	17.3	19.2											
					65	30.6 (3.13)	40.7	16.6	18.7	20.8											
					70	28.5 (2.90)	43.8	17.9	20.2	22.4											
20	10			75	26.6 (2.71)	47	19.2	21.6	24			628 (64)	706 (72)	784 (80)							
				80	24.9 (2.54)	50.1	20.5	23	25.6												
				90	22.1 (2.26)	56.3	23	25.9	28.8												
				100	19.9 (2.03)	62.6	25.6	28.8	32												
				25	123 (12.5)	13.1	5.1	5.8	6.4												
				22	11			25	98.0 (10.0)	15.7	6.4				7.2	8			761 (78)	856 (87)	951 (97)
								30	81.7 (8.33)	18.8	7.7				8.6	9.6					
								35	70.0 (7.14)	21.9	9				10.1	11.2					
								40	61.3 (6.25)	25	10.2				11.5	12.8					
								45	54.4 (5.55)	28.2	11.5				13	14.4					
								50	49.0 (5.00)	31.3	12.8				14.4	16					
								55	44.5 (4.55)	34.4	14.1				15.8	17.6					
								60	40.8 (4.17)	37.6	15.4				17.3	19.2					
								65	37.7 (3.85)	40.7	16.6				18.7	20.8					
								70	35.0 (3.57)	43.8	17.9				20.2	22.4					
25	12.5			75	32.7 (3.33)	47	19.2	21.6	24			981 (100)	1103 (113)	1225 (125)							
				80	30.6 (3.13)	50.1	20.5	23	25.6												
				90	27.2 (2.78)	56.3	23	25.9	28.8												
				100	24.5 (2.50)	62.6	25.6	28.8	32												
				125	19.6 (2.00)	78.3	32	36	40												
				150	16.3 (1.67)	93.9	38.4	43.2	48												
				25	119 (12.1)	15.7	6.4	7.2	8												
				30	15			30	99.1 (10.1)	18.8	7.7				8.6	9.6			1921 (196)	2161 (220)	2401 (245)
								35	84.9 (8.66)	21.9	9				10.1	11.2					
								40	74.3 (7.58)	25	10.2				11.5	12.8					
								45	66.1 (6.74)	28.2	11.5				13	14.4					
								50	59.5 (6.06)	31.3	12.8				14.4	16					
								55	54.0 (5.51)	34.4	14.1				15.8	17.6					
								60	49.5 (5.05)	37.6	15.4				17.3	19.2					
								65	45.7 (4.66)	40.7	16.6				18.7	20.8					
70	42.5 (4.33)	43.8	17.9					20.2	22.4												
75	39.6 (4.04)	47	19.2					21.6	24												
40	20			80	37.2 (3.79)	50.1	20.5	23	25.6			2510 (256)	2824 (288)	3138 (320)							
				90	33.0 (3.37)	56.3	23	25.9	28.8												
				100	29.7 (3.03)	62.6	25.6	28.8	32												
				125	23.8 (2.43)	78.3	32	36	40												
				150	19.8 (2.02)	93.9	38.4	43.2	48												
				25	153 (15.6)	15.7	6.4	7.2	8												
				30	128 (13.0)	18.8	7.7	8.6	9.6												
				35	109 (11.2)	21.9	9	10.1	11.2												
				40	95.7 (9.77)	25	10.2	11.5	12.8												
				45	85.1 (8.68)	28.2	11.5	13	14.4												
				50	76.6 (7.81)	31.3	12.8	14.4	16												
				55	69.6 (7.10)	34.4	14.1	15.8	17.6												
				60	63.8 (6.51)	37.6	15.4	17.3	19.2												
				65	58.9 (6.01)	40.7	16.6	18.7	20.8												
				70	54.7 (5.58)	43.8	17.9	20.2	22.4												
75	51.0 (5.21)	47	19.2	21.6	24																
80	47.9 (4.88)	50.1	20.5	23	25.6																
90	42.5 (4.34)	56.3	23	25.9	28.8																
100	38.3 (3.91)	62.6	25.6	28.8	32																
125	30.6 (3.13)	78.3	32	36	40																
150	25.5 (2.60)	93.9	38.4	43.2	48																
175	21.9 (2.23)	109.6	44.8	50.4	56																

J2
弹
簧

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① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S = L×25.6%		S = L×28.8%		S = L×32%				
						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				
DSWK	50	25		50	306 (31.2)	31.3	12.8	14.4	16	4900 (500)				
				55	278 (28.4)	34.4	14.1	15.8	17.6					
				60	255 (26.0)	37.6	15.4	17.3	19.2					
				65	236 (24.0)	40.7	16.6	18.7	20.8					
				70	219 (22.3)	43.8	17.9	20.2	22.4					
				75	204 (20.8)	47	19.2	21.6	24					
				80	191 (19.5)	50.1	20.5	23	25.6					
				90	170 (17.3)	56.3	23	25.9	28.8					
				100	153 (15.6)	62.6	25.6	28.8	32					
				125	123 (12.5)	78.3	32	36	40					
				150	102 (10.4)	93.9	38.4	43.2	48					
				175	87.5 (8.92)	109.6	44.8	50.4	56					
				200	76.6 (7.81)	125.2	51.2	57.6	64					
				225	68.1 (6.94)	141	57.6	64.8	72					
				250	61.3 (6.25)	156.5	64	72	80					
				275	55.7 (5.68)	172	70.4	79.2	88					
				300	51.0 (5.20)	187.8	76.8	86.4	96					
				350	43.8 (4.46)	228.9	89.6	100.8	112					
	60	30		60	368 (37.5)	37.6	15.4	17.3	19.2	7056 (720)				
				70	315 (32.1)	43.8	17.9	20.2	22.4					
				80	276 (28.1)	50.1	20.5	23	25.6					
				90	245 (25.0)	56.3	23	25.9	28.8					
				100	221 (22.5)	62.6	25.6	28.8	32					
				125	176 (18.0)	78.3	32	36	40					
				150	147 (15.0)	93.9	38.4	43.2	48					
				175	126 (12.8)	109.6	44.8	50.4	56					
				200	110 (11.2)	125.2	51.2	57.6	64					
				225	98.0 (10.0)	141	57.6	64.8	72					
				250	88.2 (8.99)	156.5	64	72	80					
				275	80.2 (8.18)	172	70.4	79.2	88					
				300	73.5 (7.49)	187.8	76.8	86.4	96					
				350	63.0 (6.42)	228.9	89.6	100.8	112					
				70	38.5		70	372 (37.9)	45.8		17.9	20.2	22.4	8330 (850)
							80	325 (33.2)	52.3		20.5	23	25.6	
							90	289 (29.5)	58.9		23	25.9	28.8	
							100	260 (26.5)	65.4		25.6	28.8	32	
125	208 (21.2)	81.8	32				36	40						
150	174 (17.7)	98.1	38.4				43.2	48						
175	149 (15.2)	114.5	44.8				50.4	56						
200	130 (13.3)	130.8	51.2				57.6	64						
250	104 (10.6)	163.5	64				72	80						
300	86.8 (8.85)	196.2	76.8				86.4	96						
350	74.4 (7.58)	228.9	89.6				100.8	112						

■ 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