

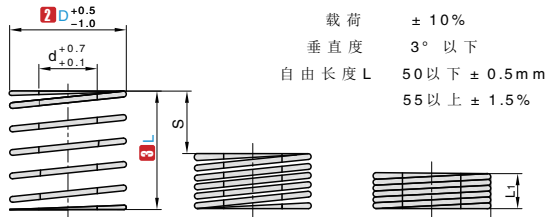
JIS 标准矩形模具弹簧

中压缩量型

■中压缩量型



①代号	类型	④材质
DSPK	中压缩量型	SWOSC-V 相当



载荷 $\pm 10\%$
 垂直度 3° 以下
 自由长度 L 50 以下 $\pm 0.5\text{mm}$
 55 以上 $\pm 1.5\%$

旋向：右旋

订购编号示例

①代号	-	② D	-	③ L	-
DSPK	-	D10.5	-	L60	-

①代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×65%		
						S (mm)	载荷 N (kgf)	
						使用次数 30 万次		
DSPK	10.5	6	6	15	10.46 (1.07)	6	7.5	78.5 (8.0)
				20	7.84 (0.80)	8	10	
				25	6.27 (0.64)	10	12.5	
				30	5.19 (0.53)	12	15	
				35	4.50 (0.46)	14	17.5	
				40	3.92 (0.40)	16	20	
				45	3.53 (0.36)	18	22.5	
				50	3.14 (0.32)	20	25	
	55	2.84 (0.29)	22	27.5				
	60	2.65 (0.27)	24	30				
	65	2.45 (0.25)	26	32.5				
	70	2.25 (0.23)	28	35				
	75	2.06 (0.21)	30	37.5				
	80	1.96 (0.20)	32	40				
	12.5	7	7	15	11.77 (1.20)	6	7.5	
				20	8.82 (0.90)	8	10	
25				7.06 (0.72)	10	12.5		
30				5.88 (0.60)	12	15		
35				5.04 (0.514)	14	17.5		
40				4.41 (0.45)	16	20		
45				3.92 (0.40)	18	22.5		
50				3.53 (0.36)	20	25		
55				3.20 (0.327)	22	27.5		
60				2.94 (0.30)	24	30		
65				2.71 (0.277)	26	32.5		
70				2.52 (0.257)	28	35		
75	2.35 (0.24)	30	37.5					
80	2.21 (0.225)	32	40					
90	1.96 (0.20)	36	45					
100	1.77 (0.18)	40	50					
14.5	8.5	8.5	15	17.00 (1.73)	6	7.5	127.5 (13.0)	
			20	12.70 (1.30)	8	10		
			25	10.19 (1.04)	10	12.5		
			30	8.53 (0.87)	12	15		
			35	7.25 (0.74)	14	17.5		
			40	6.37 (0.65)	16	20		
			45	5.68 (0.58)	18	22.5		

①代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×65%						
						S (mm)	载荷 N (kgf)					
						使用次数 30 万次						
DSPK	14.5	8.5	8.5	50	5.09 (0.52)	20	25	127.5 (13.0)				
				55	4.60 (0.47)	22	27.5					
				60	4.21 (0.43)	24	30					
				65	3.92 (0.40)	26	32.5					
				70	3.62 (0.37)	28	35					
				75	3.43 (0.35)	30	37.5					
				80	3.23 (0.33)	32	40					
				90	2.84 (0.29)	36	45					
				100	2.54 (0.26)	40	50					
				125	2.05 (0.21)	50	62.5					
				150	1.70 (0.17)	60	75					
				17	10.5	10.5	20		19.61 (2.00)	8	10	196.1 (20.0)
							25		15.69 (1.60)	10	12.5	
							30		13.04 (1.33)	12	15	
35	11.17 (1.14)	14	17.5									
40	9.80 (1.00)	16	20									
45	8.72 (0.89)	18	22.5									
50	7.84 (0.80)	20	25									
55	7.15 (0.73)	22	27.5									
60	6.57 (0.67)	24	30									
65	6.08 (0.62)	26	32.5									
21	13.5	13.5	70	5.58 (0.57)	28	35	294.2 (30.0)					
			75	5.19 (0.53)	30	37.5						
			80	4.90 (0.50)	32	40						
			90	4.31 (0.44)	36	45						
			100	3.92 (0.40)	40	50						
			125	3.13 (0.32)	50	62.5						
			150	2.64 (0.27)	60	75						
			175	2.24 (0.23)	70	87.5						
			150	1.66 (0.17)	45	90						
			175	1.40 (0.14)	52.5	105						
21	13.5	13.5	25	23.54 (2.40)	10	12.5	294.2 (30.0)					
			30	19.61 (2.00)	12	15						
			35	16.76 (1.71)	14	17.5						
			40	14.70 (1.50)	16	20						
			45	13.04 (1.33)	18	22.5						
			50	11.76 (1.20)	20	25						

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①代号	②D	③L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×65%		①代号	②D	③L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (mm)	S=L×65%			
						S (mm)	载荷 N (kgf)							S (mm)	载荷 N (kgf)		
DSPK	21	13.5	13.5	55	10.68 (1.09)	22	27.5	37	26	26	26	65	18.10 (1.85)	26	32.5		
				60	9.80 (1.00)	24	30					70	16.76 (1.71)	28	35		
				65	9.02 (0.92)	26	32.5					75	15.69 (1.60)	30	37.5		
				70	8.43 (0.86)	28	35					80	14.70 (1.50)	32	40		
				75	7.84 (0.80)	30	37.5					90	13.04 (1.33)	36	45		
				80	7.35 (0.75)	32	40					100	11.76 (1.20)	40	50		
				90	6.57 (0.67)	36	45					110	10.68 (1.09)	44	55		
				100	5.88 (0.60)	40	50					120	9.80 (1.00)	48	60		
				110	5.39 (0.55)	44	55					125	9.41 (0.96)	50	62.5		
				120	4.90 (0.50)	48	60					130	9.02 (0.92)	52	65		
				125	4.70 (0.48)	50	62.5					140	8.43 (0.86)	56	70		
				130	4.51 (0.46)	52	65					150	7.84 (0.80)	60	75		
	140	4.21 (0.43)	56	70	160	7.35 (0.75)	64	80									
	150	3.92 (0.40)	60	75	170	6.96 (0.71)	68	85									
	175	3.36 (0.34)	70	87.5	175	6.76 (0.69)	70	87.5									
	200	2.94 (0.30)	80	100	180	6.57 (0.67)	72	90									
	25	31.38 (3.20)	10	12.5	190	6.17 (0.63)	76	95									
	30	26.18 (2.67)	12	15	200	5.88 (0.60)	80	100									
	35	22.45 (2.29)	14	17.5	250	4.70 (0.48)	100	125									
	40	19.61 (2.00)	16	20	300	3.92 (0.40)	120	150									
45	17.45 (1.78)	18	22.5	50	33.34 (3.40)	20	25										
50	15.69 (1.60)	20	25	60	27.79 (2.83)	24	30										
55	14.21 (1.45)	22	27.5	70	23.82 (2.43)	28	35										
60	13.04 (1.33)	24	30	80	20.84 (2.13)	32	40										
65	12.06 (1.23)	26	32.5	90	18.52 (1.89)	36	45										
70	11.17 (1.14)	28	35	100	16.67 (1.70)	40	50										
75	10.49 (1.07)	30	37.5	110	15.16 (1.55)	44	55										
80	9.80 (1.00)	32	40	120	13.89 (1.42)	48	60										
90	8.72 (0.89)	36	45	130	12.82 (1.31)	52	65										
100	7.84 (0.80)	40	50	140	11.91 (1.21)	56	70										
110	7.15 (0.73)	44	55	150	11.11 (1.13)	60	75										
120	6.57 (0.67)	48	60	160	10.42 (1.06)	64	80										
125	6.27 (0.64)	50	62.5	170	9.81 (1.00)	68	85										
130	6.08 (0.62)	52	65	180	9.26 (0.94)	72	90										
140	5.58 (0.57)	56	70	190	8.77 (0.89)	76	95										
150	5.19 (0.53)	60	75	200	8.34 (0.85)	80	100										
175	4.51 (0.46)	70	87.5	225	7.41 (0.76)	90	112.5										
200	3.92 (0.40)	80	100	250	6.67 (0.68)	100	125										
225	3.49 (0.36)	90	112.5	275	6.06 (0.62)	110	137.5										
250	3.14 (0.32)	100	125	300	5.56 (0.57)	120	150										
DSPK	26	16.5	16.5	35	28.02 (2.86)	14	17.5	43	31	31	31	50	43.14 (4.40)	20	25		
				40	24.51 (2.50)	16	20					60	35.99 (3.67)	24	30		
				45	21.77 (2.22)	18	22.5					70	30.79 (3.14)	28	35		
				50	19.61 (2.00)	20	25					80	26.96 (2.75)	32	40		
				55	17.83 (1.82)	22	27.5					90	23.92 (2.44)	36	45		
				60	16.37 (1.67)	24	30					100	21.57 (2.20)	40	50		
				65	15.09 (1.54)	26	32.5					110	19.61 (2.00)	44	55		
				70	14.02 (1.43)	28	35					120	17.94 (1.83)	48	60		
				75	13.08 (1.33)	30	37.5					125	17.25 (1.76)	50	62.5		
				80	12.25 (1.25)	32	40					130	15.57 (1.69)	52	65		
				90	10.88 (1.11)	36	45					140	15.39 (1.57)	56	70		
				100	9.80 (1.00)	40	50					150	14.41 (1.47)	60	75		
	110	8.92 (0.91)	44	55	175	12.35 (1.26)	70	87.5									
	120	8.13 (0.83)	48	60	200	10.78 (1.10)	80	100									
	125	7.84 (0.80)	50	62.5	225	9.61 (0.98)	90	112.5									
	130	7.55 (0.77)	52	65	250	8.62 (0.88)	100	125									
	140	6.96 (0.71)	56	70	275	7.84 (0.80)	110	137.5									
	150	6.57 (0.67)	60	75	300	7.15 (0.73)	120	150									
	160	6.17 (0.63)	64	80	50	52.96 (5.40)	20	25									
	170	5.78 (0.59)	68	85	60	44.13 (4.50)	24	30									
175	5.58 (0.57)	70	87.5	70	37.83 (3.86)	28	35										
180	5.49 (0.56)	72	90	80	33.10 (3.38)	32	40										
190	5.19 (0.53)	76	95	90	29.42 (3.00)	36	45										
35	33.62 (3.43)	14	17.5	100	26.48 (2.70)	40	50										
40	29.41 (3.00)	16	20	110	24.07 (2.45)	44	55										
45	26.18 (2.67)	18	22.5	120	22.06 (2.25)	48	60										
50	23.53 (2.40)	20	25	130	20.37 (2.08)	52	65										
55	21.40 (2.18)	22	27.5	140	18.91 (1.93)	56	70										
60	19.61 (2.00)	24	30	150	17.65 (1.80)	60	75										
DSPK	31	21	21	9.80 (1.00)	40	50	490.3 (50.0)	46	33	33	33	125	17.25 (1.76)	50	62.5	1079 (110)	
				110	8.92 (0.91)	44	55					130	15.57 (1.69)	52	65		
				120	8.13 (0.83)	48	60					140	15.39 (1.57)	56	70		
				125	7.84 (0.80)	50	62.5					150	14.41 (1.47)	60	75		
				130	7.55 (0.77)	52	65					175	12.35 (1.26)	70	87.5		
				140	6.96 (0.71)	56	70					200	10.78 (1.10)	80	100		
	37	26	26	26	5.78 (0.59)	68	85	588.4 (60.0)	50	36	36	36	225	9.61 (0.98)	90	112.5	1324 (135)
					6.57 (0.67)	60	75	250					8.62 (0.88)	100	125		
					6.17 (0.63)	64	80	275					7.84 (0.80)	110	137.5		
					5.78 (0.59)	68	85	300					7.15 (0.73)	120	150		
					5.58 (0.57)	70	87.5	50					52.96 (5.40)	20	25		
					5.49 (0.56)	72	90	60					44.13 (4.50)	24	30		

J2
弹
簧

JIS 标准矩形模具弹簧

中压缩量型

① 代号	② D	③ L	d	弹簧系数 N/mm (kgf/mm)	压紧长度 L1 (min)	S=L×65%	
						S (mm)	载荷 N (kgf)
DSPK	50	175	36	15.13 (1.54)	70	87.5	1324 (135)
		200		13.24 (1.35)	80	100	
		225		11.77 (1.20)	90	112.5	
		250		10.59 (1.08)	100	125	
		275		9.63 (0.98)	110	137.5	
		300		8.83 (0.90)	120	150	
		350		7.57 (0.77)	140	175	
		400		6.62 (0.68)	160	200	

■ 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。

▲ 使用次数：100 万次 (L×55% 为 30 万次)