

JIS 标准矩形模具弹簧

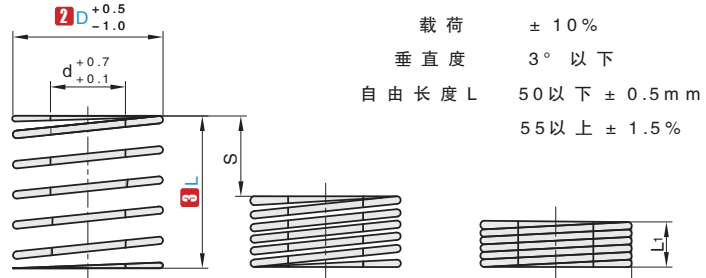
超压缩量型

■超压缩量型



①代号	类型	④材质
DSRK	超压缩量型	SWOSC-V 相当

J2
弹
簧



订购编号示例

①代号	-	② D	-	③ L
DSRK	-	D11	-	L20

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%		使用次数	100 万次
						S (mm)	载荷 N (kgf)		
DSRK	11	7	7	2.26(0.231)	5	13		29.4 (3.0)	
				1.81(0.185)	6.3	16.3			
				1.51(0.154)	7.5	19.5			
				1.29(0.132)	8.8	22.8			
				1.13(0.115)	10	26			
				1.01(0.103)	11.3	29.3			
				0.91(0.092)	12.5	32.5			
				0.82(0.084)	13.8	35.8			
				0.75(0.077)	15	39			
				0.70(0.071)	16.3	42.3			
				0.65(0.066)	17.5	45.5			
				0.60(0.062)	18.8	48.8			
				0.57(0.058)	20	52			
				0.50(0.051)	22.5	58.5			
0.45(0.046)	25	65							
DSRK	12.5	8.5	8.5	3.08(0.314)	5	13		40.2 (4.1)	
				2.46(0.251)	6.25	16.3			
				2.06(0.21)	7.5	19.5			
				1.76(0.18)	8.75	22.8			
				1.54(0.157)	10	26			
				1.37(0.14)	11.25	29.3			
				1.23(0.126)	12.5	32.5			
				1.12(0.114)	13.75	35.8			
				1.03(0.105)	15	39			
				0.95(0.097)	16.25	42.3			
				0.88(0.09)	17.5	45.5			
				0.82(0.084)	18.75	48.8			
				0.77(0.079)	20	52			
				0.69(0.07)	22.5	58.5			
0.62(0.063)	25	65							
DSRK	16.5	10.5	10.5	7.02(0.72)	5	13		91.2 (9.3)	
				5.60(0.57)	6.25	16.3			
				4.70(0.48)	7.5	19.5			
				4.02(0.41)	8.75	22.8			

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%		使用次数	100 万次
						S (mm)	载荷 N (kgf)		
DSRK	16.5	10.5	10.5	3.53(0.36)	10	26		91.2 (9.3)	
				3.14(0.32)	11.25	29.3			
				2.84(0.29)	12.5	32.5			
				2.55(0.26)	13.75	35.8			
				2.35(0.24)	15	39			
				2.16(0.22)	16.25	42.3			
				1.96(0.20)	17.5	45.5			
				1.86(0.19)	18.75	48.8			
				1.76(0.18)	20	52			
				1.57(0.16)	22.5	58.5			
				1.37(0.14)	25	65			
				1.27(0.13)	27.5	71.5			
				1.17(0.119)	30	78			
				1.08(0.11)	31.25	81.3			
0.93(0.095)	37.5	97.5							
DSRK	20.5	13.5	13.5	5.59(0.57)	7.5	19.5		108.9 (11.1)	
				4.80(0.49)	8.8	22.8			
				4.21(0.43)	10	26			
				3.72(0.38)	11.25	29.3			
				3.33(0.34)	12.5	32.5			
				3.04(0.31)	13.75	35.8			
				2.84(0.29)	15	39			
				2.55(0.26)	16.25	42.3			
				2.35(0.24)	17.5	45.5			
				2.26(0.23)	18.75	48.8			
				2.06(0.21)	20	52			
				1.86(0.19)	22.5	58.5			
				1.67(0.17)	25	65			
				1.57(0.16)	27.5	71.5			
1.37(0.14)	30	78							
DSRK	24.5	16.5	16.5	6.96(0.71)	7.5	19.5		136.3 (13.9)	
				5.98(0.61)	8.75	22.8			
				5.29(0.54)	10	26			

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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 (min)	S=L×65%	
						S (mm)	载荷 N (kgf)
DSRK	24.5	16.5	136.3 (13.9)	30	6.96 (0.71)	7.5	19.5
				35	5.98 (0.61)	8.75	22.8
				40	5.29 (0.54)	10	26
				45	4.70 (0.48)	11.25	29.3
				50	4.21 (0.43)	12.5	32.5
				55	3.82 (0.39)	13.75	35.8
				60	3.53 (0.36)	15	39
				65	3.23 (0.33)	16.25	42.3
				70	3.04 (0.31)	17.5	45.5
				75	2.84 (0.29)	18.75	48.8
				80	2.55 (0.26)	20	52
				90	2.35 (0.24)	22.5	58.5
				100	2.06 (0.21)	25	65
				110	1.86 (0.19)	27.5	71.5
				120	1.76 (0.18)	30	78
				125	1.67 (0.17)	31.25	81.3
				130	1.57 (0.16)	32.5	84.5
				140	1.47 (0.15)	35	91
				150	1.37 (0.14)	37.5	97.5
				175	1.18 (0.12)	43.75	113.8
200	1.08 (0.11)	50	130				
DSRK	30	21	200.1 (20.4)	35	8.79 (0.90)	8.8	22.8
				40	7.74 (0.79)	10	26
				45	6.86 (0.70)	11.25	29.3
				50	6.17 (0.63)	12.5	32.5
				55	5.59 (0.57)	13.75	35.8
				60	5.10 (0.52)	15	39
				65	4.70 (0.48)	16.25	42.3
				70	4.41 (0.45)	17.5	45.5
				75	4.12 (0.42)	18.75	48.8
				80	3.82 (0.39)	20	52
				90	3.43 (0.35)	22.5	58.5
				100	2.84 (0.29)	25	65
				110	2.84 (0.29)	27.5	71.5
				120	2.55 (0.26)	30	78
				125	2.45 (0.25)	31.25	81.3
				130	2.35 (0.24)	32.5	84.5
				140	2.16 (0.22)	35	91
				150	2.06 (0.21)	37.5	97.5
				160	1.96 (0.20)	40	104
				170	1.81 (0.185)	42.5	110.5
175	1.76 (0.18)	43.75	113.8				
180	1.67 (0.17)	45	117				
190	1.62 (0.165)	47.5	123.5				
200	1.57 (0.16)	50	130				
250	1.27 (0.13)	62.5	162.5				
300	0.98 (0.10)	75	195				
DSRK	37	26	294.2 (30.0)	40	11.32 (1.15)	10	26
				45	10.06 (1.03)	11.3	29.3
				50	9.05 (0.92)	12.5	32.5
				55	8.23 (0.84)	13.8	35.8
				60	7.54 (0.77)	15	39
				65	6.96 (0.71)	16.3	42.3
				70	6.47 (0.66)	17.5	45.5
				75	6.03 (0.62)	18.8	48.8
				80	5.66 (0.58)	20	52
				90	5.03 (0.51)	22.5	58.5
				100	4.53 (0.46)	25	65
				110	4.11 (0.42)	27.5	71.5
				120	3.77 (0.38)	30	78
				130	3.48 (0.36)	32.5	84.5
				140	3.23 (0.33)	35	91
				150	3.02 (0.31)	37.5	97.5
				160	2.83 (0.29)	40	104
				170	2.66 (0.27)	42.5	110.5
				180	2.51 (0.26)	45	117
				190	2.38 (0.24)	47.5	123.5
200	2.26 (0.23)	50	130				
225	2.01 (0.21)	56.3	146.3				

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)
DSRK	37	26	294.2 (30.0)	250	1.81 (0.18)	62.5	162.5
				275	1.65 (0.17)	68.8	178.8
				300	1.51 (0.15)	75	195
				50	12.07 (1.23)	12.5	32.5
				60	10.06 (1.03)	15	39
				70	8.62 (0.88)	17.5	45.5
				80	7.54 (0.77)	20	52
				90	6.71 (0.68)	22.5	58.5
				100	6.03 (0.62)	25	65
				110	5.49 (0.56)	27.5	71.5
				120	5.03 (0.51)	30	78
				130	4.64 (0.47)	32.5	84.5
				140	4.31 (0.44)	35	91
				150	4.02 (0.41)	37.5	97.5
				160	3.77 (0.38)	40	104
				170	3.55 (0.36)	42.5	110.5
				180	3.35 (0.34)	45	117
				190	3.18 (0.32)	47.5	123.5
				200	3.02 (0.31)	50	130
				225	2.68 (0.27)	56.3	146.3
250	2.41 (0.25)	62.5	162.5				
275	2.19 (0.22)	68.8	178.8				
300	2.01 (0.21)	75	195				

■ 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×70% 为 30 万次)

J2
弹
簧