

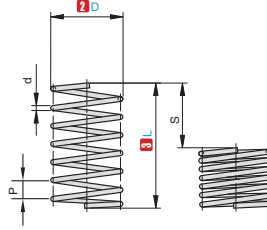
# 圆形截面圆柱形压缩弹簧

## 外径基准型 (长度指定型)

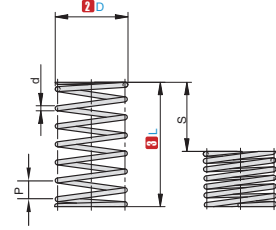
■ 外径基准型 (长度指定型)



① 代号	许用位移量	④ 材质
WSJEH	F = L×60%	SWP-A
WSJFH	F = L×50%	
WSJPH	F = L×40%	
WSHEH	F = L×60%	SUS304-WPB
WSHFH	F = L×50%	
WSHPH	F = L×40%	



闭口端  
(▲ 尺寸两端面未进行磨削加工)



闭口端  
(两端面均经磨削加工)

D 尺寸公差 5~14mm ± 0.3  
16~20mm ± 0.4

L 尺寸公差 15~50 ± 1  
51~100 ± 2  
101~200 ± 4

### 订购编号示例

① 代号	-	② D	-	③ L	-	④ 载荷类型
WSHEH	-	D5	-	L15	-	A

① 代号	② D	③ L 指定 单位 mm	④ 载 荷类 型	最大载荷 N(kgf)						d			P(参考)		
				SWP-A/B			304 材质			WSJEH	WSJFH	WSJPH	WSJEH	WSJFH	WSJPH
				WSJEH60%	WSJFH50%	WSJPH40%	WSHEH60%	WSHFH50%	WSHPH40%	WSJEH	WSJFH	WSJPH	WSJEH	WSJFH	WSJPH
WSJEH WSJFH WSJPH WSJEH WSJFH WSJPH	5	15 ~ 65	A	2.8 (0.29)	5.2 (0.53)	8.1 (0.83)	2.5 (0.25)	4.5 (0.46)	7.1 (0.73)	0.4	0.5	0.6	1.8	1.5	1.3
			B	3.7 (0.38)	6.7 (0.69)	10.6 (1.08)	3.3 (0.33)	5.9 (0.60)	9.3 (0.95)				2.3	1.9	1.7
	6	15 ~ 80	A	2.9 (0.30)	7.3 (0.75)	9.9 (1.01)	2.5 (0.26)	6.4 (0.65)	8.7 (0.89)	0.45	0.6	0.7	2	1.7	1.5
			B	3.8 (0.38)	9.6 (0.97)	12.9 (1.32)	3.3 (0.34)	8.4 (0.85)	11.3 (1.15)				2.6	2.3	1.9
	7	15 ~ 90	A	3.1 (0.32)	10.1 (1.03)	11.5 (1.17)	2.7 (0.28)	8.8 (0.90)	10.0 (1.02)	0.5	0.7	0.8	2.2	2	1.7
			B	4.0 (0.41)	13.1 (1.34)	14.9 (1.52)	3.5 (0.36)	11.5 (1.17)	13.0 (1.33)				2.9	2.7	2.2
	8	20 ~ 100	A	5.2 (0.53)	12.2 (1.24)	13.8 (1.41)	4.6 (0.47)	10.7 (1.09)	12.1 (1.23)	0.6	0.8	0.9	2.7	2.2	1.9
			B	6.8 (0.70)	15.9 (1.62)	17.9 (1.83)	6.0 (0.61)	13.9 (1.42)	15.7 (1.60)				3.5	2.9	2.4
	9	19 ~ 110	A	8.1 (0.83)	17.4 (1.78)	22.1 (2.25)	7.1 (0.72)	15.2 (1.56)	19.3 (1.97)	0.7	0.9	1	2.9	2.5	2.6
			B	10.0 (1.02)	20.6 (2.09)	27.5 (2.80)	8.7 (0.89)	17.9 (1.83)	24.0 (2.45)				3.5	2.9	3.3
	10	20 ~ 120	A	10.6 (1.08)	19.2 (1.96)	30.5 (3.11)	9.3 (0.95)	16.9 (1.72)	26.7 (2.72)	0.8	1	1.2	3.4	2.8	2.5
			B	13.7 (1.40)	24.9 (2.54)	39.5 (4.03)	12.1 (1.23)	21.8 (2.22)	34.6 (3.53)				4.4	3.6	3.2
	11	21 ~ 130	A	9.0 (0.92)	17.2 (1.75)	27.9 (2.85)	7.9 (0.80)	15.0 (1.53)	24.4 (2.49)	0.8	1	1.2	3.5	3.3	2.9
			B	12.6 (1.28)	22.9 (2.33)	36.3 (3.70)	11.0 (1.12)	20.0 (2.04)	31.7 (3.24)				4.9	4.3	3.8
	12	25 ~ 140	A	11.0 (1.12)	27.6 (2.81)	37.7 (3.84)	9.6 (0.98)	24.1 (2.46)	33.0 (3.34)	0.9	1.2	1.4	3.8	3.3	2.9
			B	14.2 (1.45)	35.8 (3.65)	48.9 (4.99)	12.5 (1.27)	31.3 (3.19)	42.9 (4.37)				4.9	4.3	3.8
	13	24 ~ 150	A	10.5 (1.07)	26.5 (2.70)	35.7 (3.63)	9.1 (0.93)	23.2 (2.37)	31.1 (3.18)	0.9	1.2	1.4	4.2	3.9	3.3
			B	13.4 (1.37)	34.6 (3.52)	46.4 (4.73)	11.7 (1.20)	30.2 (3.08)	40.5 (4.13)				5.5	5.1	4.3
	14	30 ~ 160	A	11.6 (1.18)	37.7 (3.84)	45.9 (4.68)	10.1 (1.03)	33.0 (3.36)	40.2 (4.10)	1	1.4	1.6	4.2	3.9	3.3
			B	15.1 (1.54)	48.9 (4.99)	59.6 (6.08)	13.1 (1.34)	42.8 (4.36)	52.2 (5.32)				5.5	5.1	4.3
	15	27 ~ 170	A	11.4 (1.16)	36.8 (3.75)	44.4 (4.53)	9.9 (1.01)	32.1 (3.28)	38.8 (3.96)	1	1.4	1.6	5	4.5	3.7
			B	14.9 (1.51)	47.1 (4.80)	56.6 (5.77)	14.9 (1.33)	41.1 (4.20)	49.4 (5.05)				6.5	5.8	4.8
	16	30 ~ 180	A	19.4 (1.98)	49.7 (5.07)	55.1 (5.62)	17.0 (1.73)	43.4 (4.43)	48.2 (4.91)	1.2	1.6	1.8	5	4.5	3.7
			B	25.2 (2.56)	64.5 (6.58)	71.2 (7.26)	22.0 (2.24)	56.5 (5.76)	62.6 (6.38)				6.5	5.8	4.8
17	31 ~ 190	A	19.6 (2.00)	47.9 (4.88)	53.5 (5.45)	17.1 (1.75)	41.8 (4.27)	46.7 (4.77)	1.2	1.6	1.8	5.9	5	4.1	
		B	25.3 (2.57)	62.0 (6.32)	69.9 (7.13)	22.0 (2.25)	54.1 (5.53)	61.0 (6.24)				7.7	6.5	5.4	
18	35 ~ 200	A	29.9 (3.05)	62.1 (6.33)	65.2 (6.65)	26.2 (2.67)	54.3 (5.54)	57.1 (5.82)	1.4	1.8	2	5.9	5	4.1	
		B	38.9 (3.97)	80.7 (8.23)	84.6 (8.63)	34.0 (3.47)	70.6 (7.2)	74.0 (7.55)				7.7	6.5	5.4	
20	40 ~ 200	A	42.7 (4.35)	76.9 (7.84)	99.0 (10.1)	37.4 (3.81)	67.3 (6.86)	86.6 (8.83)	1.6	2	2.3	6.7	5.5	4.8	
		B	55.2 (5.63)	100 (10.2)	128 (13.1)	48.3 (4.93)	87.2 (8.89)	113 (11.5)				8.7	7.2	6.3	
23	45 ~ 200	A	51.9 (5.29)	103.0 (10.50)	121.0 (12.34)	45.4 (4.63)	90.2 (9.20)	106.0 (10.81)	1.8	2.3	2.6	7.8	6.4	5.5	
		B	67.4 (6.87)	133.0 (13.56)	156.0 (15.91)	58.9 (6.01)	113.0 (11.52)	137.0 (13.97)				10.1	8.1	7.1	

J2  
弹  
簧

# 圆形截面圆柱形压缩弹簧

外径基准型 (长度指定型)

1 代号	2 D	3 L 指定单位 1mm	4 载 荷类型	最大载荷 N(kgf)						d			P(参考)		
				SWP-A/B			304 材质			WSJEH WSHEH	WSJFH WSHFH	WSJPH WSHPH	WSJEH WSHEH	WSJFH WSHFH	WSJPH WSHPH
				WSJEH60%	WSJFH50%	WSJPH40%	WSHEH60%	WSHFH50%	WSHPH40%						
WSJEH WSJFH WSJPH	25	50 ~ 250	A	64.5 (6.58)	153.5 (15.64)	178.6 (18.20)	56.3 (5.75)	133.9 (13.68)	155.9 (15.93)	2	2.6	2.9	7.8	7.1	6.3
			B	82.4 (8.39)	172.0 (17.53)	214.3 (21.84)	71.9 (7.34)	150.1 (15.34)	187.0 (19.11)				10.2	8	7.9
WSJEH WSJFH WSJPH	27	70 ~ 250	A	86.0 (8.77)	195.0 (19.87)	220.3 (22.45)	75.0 (7.67)	170.2 (17.39)	192.3 (19.64)	2.3	2.9	3.2	7.5	7.4	6.7
			B	110.9 (11.30)	214.2 (21.83)	274.0 (27.92)	96.8 (9.89)	187.0 (19.10)	239.1 (24.43)				9.6	8.1	8.6

▲ 负载 (kgf) = 负载 N × 0.101972

▲ 请在容许位移量 % 以内使用

▲ P 为参考值

▲ 使用次数: 100 万次

▲ d 为 0.9 以下时, 两端面不进行磨削加工

■ 弹簧系数计算方法

弹簧系数 = (最大负载 N(kgf)) / (L × 许用位移量 (%))