



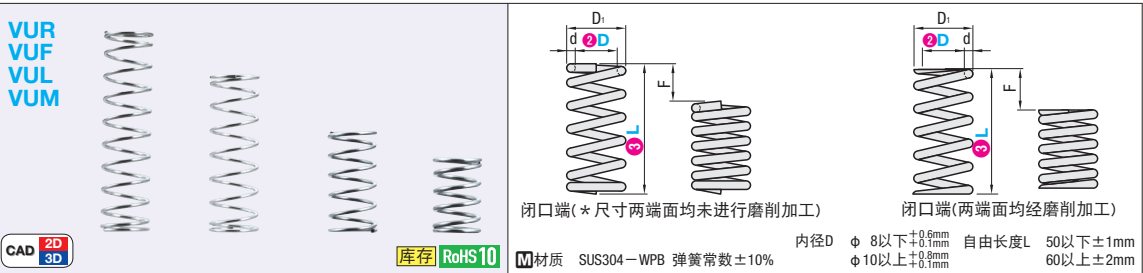
CAD数据文件夹名: 34_Springs

请按照选型步骤①～④选择型式和参数后进行订购。

Order 订货范例

型式 (①Type · ②D) - ③L

VUR10 - 40



■VUR: Fmax. (容许位移量) = L×60% 弹簧常数 0.29N/mm{0.03kgf/mm}

型式 ①Type②D-③L	外径 D1	线径 d	F max.	N(kgf) max.	间距	参考 压紧长度 总卷数
VUR 5 - 15	5.9	0.45	9	2.65 (0.27)	1.7	5.0 10
20			12	3.53 (0.36)	2.2	
25	6.0	0.50	15	4.41 (0.45)	1.9	7.5 14
30			18	5.29 (0.54)	2.3	
35	6.1	0.55	21	6.17 (0.63)	2.3	9.6 16.5
40			24	7.06 (0.72)	2.6	
45	6.2	0.60	27	7.94 (0.81)	2.1	13.8 22
50			30	8.82 (0.90)	2.4	
VUR 6 - 15	7.0	0.50	9	2.65 (0.27)	1.9	5.0 9
20			12	3.53 (0.36)	2.0	
25	7.1	0.55	15	4.41 (0.45)	2.5	6.6 11
30			18	5.29 (0.54)	3.0	
35	7.2	0.60	21	6.17 (0.63)	2.7	9.0 14
40			24	7.06 (0.72)	3.0	
45	7.3	0.65	27	7.94 (0.81)	2.4	13.3 19.5
50			30	8.82 (0.90)	2.7	
55	7.4	0.70	33	9.70 (0.99)	2.3	18.2 25
60			36	10.58 (1.08)	2.5	
VUR 8 - 20	9.3	0.65	12	3.53 (0.36)	2.4	6.8 9.5
25			15	4.41 (0.45)	2.9	
30	9.4	0.70	18	5.29 (0.54)	2.7	9.1 12
35			21	6.17 (0.63)	3.2	
40			24	7.06 (0.72)	3.6	
45			27	7.94 (0.81)	2.4	
50	9.6	0.80	30	8.82 (0.90)	2.6	16.8 20
55			33	9.70 (0.99)	2.9	
60			36	10.58 (1.08)	3.2	
65			39	11.47 (1.17)	2.2	
70	9.8	0.90	42	12.36 (1.26)	2.3	28.8 31
80			48	14.12 (1.44)	2.7	
VUR 10 - 20	11.4	0.70	12	3.53 (0.36)	3.3	5.6 7
25	11.5	0.75	15	4.41 (0.45)	3.1	7.5 9
30			18	5.29 (0.54)	2.7	
35	11.6	0.80	21	6.17 (0.63)	3.2	10.4 12
40			24	7.06 (0.72)	3.6	
45			27	7.94 (0.81)	2.8	
50			30	8.82 (0.90)	3.1	
55	11.8	0.90	33	9.70 (0.99)	3.4	16.2 17
60			36	10.58 (1.08)	3.8	
65			39	11.47 (1.17)	4.1	
70			42	12.36 (1.26)	2.9	
80	12.0	1.00	48	14.12 (1.44)	3.3	26.0 25
VUR 12 - 25	13.6	0.80	15	4.41 (0.45)	3.6	7.2 8
30			18	5.29 (0.54)	4.3	
35	13.8	0.90	21	6.17 (0.63)	3.3	11.3 11.5
40			24	7.06 (0.72)	3.8	
45			27	7.94 (0.81)	4.3	
50			30	8.82 (0.90)	3.3	
55	14.0	1.00	33	9.70 (0.99)	3.7	17.0 16
60			36	10.58 (1.08)	4.0	
65			39	11.47 (1.17)	4.3	
70			42	12.36 (1.26)	3.3	
80	14.2	1.10	48	14.11 (1.44)	3.8	25.3 22
90			54	15.88 (1.62)	4.3	
VUR 16 - 35	18.0	1.00	21	6.17 (0.63)	4.7	9.5 8.5
40			24	7.06 (0.72)	5.3	
45			27	7.94 (0.81)	4.5	
50			30	8.82 (0.90)	5.0	
55	18.2	1.10	33	9.70 (0.99)	5.5	13.2 11
60			36	10.58 (1.08)	6.0	
65			39	11.47 (1.17)	5.0	
70			42	12.36 (1.26)	5.4	
80	18.4	1.20	48	14.11 (1.44)	6.2	18.0 14
90			54	15.88 (1.62)	6.9	
100			60	17.64 (1.80)	7.7	

④VUR系列两端均未进行磨削加工。
⑤使用回数: 100万回(参考)
⑥圈数、压紧长度的计算方法请参考P.1992。

■VUF: Fmax. (容许位移量) = L×45% 弹簧常数 0.49N/mm{0.05kgf/mm}

型式 ①Type②D-③L	外径 D1	线径 d	F max.	N(kgf) max.	间距	参考 压紧长度 总卷数
VUF 5 - 15	6.0	0.50	6.8	3.33 (0.34)	2.3	4.3 7.5
20			9.0	4.41 (0.45)	3.1	
25			11.3	5.49 (0.56)	2.1	
30	6.2	0.60	13.5	6.57 (0.67)	2.5	8.4 13
35			15.8	7.64 (0.78)	2.9	
40			18.0	8.82 (0.90)	1.9	
45	6.4	0.70	20.3	9.90 (1.01)	2.1	16.1 22
50			22.5	10.98 (1.12)	2.4	
VUF 6 - 15			6.8	3.33 (0.34)	1.9	
20	7.2	0.60	9.0	4.41 (0.45)	2.5	6.0 9
25			11.3	5.49 (0.56)	3.1	
30			13.5	6.57 (0.67)	3.8	
35			15.8	7.64 (0.78)	2.7	
40			18.0	8.82 (0.90)	3.1	
45	7.4	0.70	20.3	9.90 (1.01)	3.5	10.5 14
50			22.5	10.98 (1.12)	2.4	
55	7.6	0.80	24.8	12.05 (1.23)	2.6	18.4 22
60			27.0	13.23 (1.35)	2.9	
VUF 8 - 20			9.0	4.41 (0.45)	3.1	
25	9.4	0.70	11.3	5.49 (0.56)	3.8	6.0 7.5
30			13.5	6.57 (0.67)	4.6	
35			15.8	7.64 (0.78)	3.3	
40			18.0	8.82 (0.90)	3.8	
45	9.6	0.80	20.3	9.90 (1.01)	4.3	10.0 11.5
50			22.5	10.98 (1.12)	4.8	
55			24.8	12.05 (1.23)	2.5	
60			27.0	13.23 (1.35)	2.7	
65	10.0	1.00	29.3	14.31 (1.46)	3.0	24.0 23
70			31.5	15.39 (1.57)	3.2	
80			36.0	17.64 (1.80)	3.6	
VUF 10 - 20			9.0	4.41 (0.45)	3.3	
25	11.6	0.80	11.3	5.49 (0.56)	4.2	6.4 7
30			13.5	6.57 (0.67)	5.0	
35			15.8	7.64 (0.78)	3.9	
40			18.0	8.82 (0.90)	4.4	
45	11.8	0.90	20.3	9.90 (1.01)	5.0	9.9 10
50			22.5	10.98 (1.12)	5.6	
55			24.8	12.05 (1.23)	3.1	
60			27.0	13.23 (1.35)	3.4	
65	12.2	1.10	29.3	14.31 (1.46)	3.7	21.5 18.5
70			31.5	15.39 (1.57)	4.0	
80			36.0	17.64 (1.80)	4.6	
VUF 12 - 25			11.3	5.49 (0.56)	3.1	
30			13.5	6.57 (0.67)	3.8	
35	14.0	1.00	15.8	7.64 (0.78)	4.4	10.0 9
40			18.0	8.82 (0.90)	5.0	
45			20.3	9.90 (1.01)	5.6	
50			22.5	10.98 (1.12)	4.3	
55	14.2	1.10	24.8	12.05 (1.23)	4.8	14.9 12.5
60			27.0	13.23 (1.35)	5.2	
65			29.3	14.31 (1.46)	5.7	
70			31.5	15.39 (1.57)	4.4	
80	14.4	1.20	36.0	17.64 (1.80)	5.0	21.6 17
90			40.5	19.80 (2.02)	5.6	
VUF 16 - 35			15.8	7.64 (0.78)	4.7	
40	18.4	1.20	18.0	8.82 (0.90)	5.3	11.4 8.5
45			20.3	9.90 (1.01)	6.0	
50			22.5	10.98 (1.12)	6.7	
55			24.8	12.05 (1.23)	5.2	
60	18.6	1.30	27.0	13.23 (1.35)	5.7	16.3 11.5
65			29.3	14.31 (1.46)	6.2	
70			31.5	15.39 (1.57)	5.4	
80	18.8	1.40	36.0	17.64 (1.80)	6.2	21.0 14
90			40.5	19.80 (2.02)	6.9	
100			45.0	22.05 (2.25)	7.7	

④VUF系列带*型号两端无磨削。
⑤使用回数: 100万回(参考)
⑥圈数、压紧长度的计算方法请参考P.1992。

■VUL: Fmax. (容许位移量) = L×40% 弹簧常数 0.98N/mm{0.10kgf/mm}

型式 ①Type②D-③L	外径 D1	线径 d	F max.	N(kgf) max.	间距	参考 压紧长度 总卷数	
VUL 5 - 15 20 25 30 35 40 45 50	6.2	0.60	6	5.88 (0.60)	2.5	4.8 7	
			8	7.84 (0.80)	3.3		
			10	9.80 (1.00)	2.3	9.1 12	
	6.4	0.70	12	11.76 (1.20)	2.7		
			14	13.72 (1.40)	3.2		
			16	15.68 (1.60)	2.2		
	6.6	0.80	18	17.64 (1.80)	2.5		16.0 19
			20	19.60 (2.00)	2.8		
VUL 6 - 15 20 25 30 35 40 45 50 55 60	7.4	0.70	6	5.88 (0.60)	2.1	6.3 8	
			8	7.84 (0.80)	2.9		
			10	9.80 (1.00)	2.3	10.4 12	
	7.6	0.80	12	11.76 (1.20)	2.7		
			14	13.72 (1.40)	3.2		
			16	15.68 (1.60)	2.5		
	7.8	0.90	18	17.64 (1.80)	2.8		16.2 17
			20	19.60 (2.00)	3.1		
			22	21.56 (2.20)	3.4		
			24	23.52 (2.40)	3.8		
	VUL 8 - 20 25 30 35 40 45 50 55 60 65 70 80	9.8	0.90	8	7.84 (0.80)	2.4	9.5 9.5
10				9.80 (1.00)	2.9		
12				11.76 (1.20)	2.5	14.0 13	
10.0		1.00	14	13.72 (1.40)	2.9		
			16	15.68 (1.60)	3.3		
			18	17.64 (1.80)	3.8		
			20	19.60 (2.00)	4.2		
			22	21.56 (2.20)	4.6		
10.4		1.20	24	23.52 (2.40)	2.7	28.8 23	
			26	25.48 (2.60)	3.0		
			28	27.44 (2.80)	3.2		
			32	31.36 (3.20)	3.6		
VUL 10 - 20 25 30 35 40 45 50 55 60 65 70 80	12.0	1.00	8	7.84 (0.80)	3.1	8.5 7.5	
			10	9.80 (1.00)	3.8		
			12	11.76 (1.20)	3.2	12.7 10.5	
	12.2	1.10	14	13.72 (1.40)	3.7		
			16	15.68 (1.60)	4.2		
			18	17.64 (1.80)	4.7		
			20	19.60 (2.00)	5.3		
			22	21.56 (2.20)	3.1		
	12.6	1.30	24	23.52 (2.40)	3.4	25.4 18.5	
			26	25.48 (2.60)	3.7		
			28	27.44 (2.80)	4.0		
			32	31.36 (3.20)	4.6		
VUL 12 - 25 30 35 40 45 50 55 60 65 70 80 90	14.4	1.20	10	9.80 (1.00)	2.9	12.6 9.5	
			12	11.76 (1.20)	3.5		
			14	13.72 (1.40)	4.1		
			16	15.68 (1.60)	4.7		
			18	17.64 (1.80)	5.3		
	14.8	1.40	20	19.60 (2.00)	5.9	21.7 14.5	
			22	21.56 (2.20)	4.1		
			24	23.52 (2.40)	4.4		
			26	25.48 (2.60)	4.8		
			28	27.44 (2.80)	5.2		
	19.0	1.50	32	31.36 (3.20)	5.9	24.7 13.5	
			36	35.28 (3.60)	6.7		
14			13.72 (1.40)	4.1	15.8 9.5		
16			15.68 (1.60)	4.7			
18			17.64 (1.80)	5.3			
VUL 16 - 35 40 45 50 55 60 65 70 80 90 100	19.4	1.70	20	19.60 (2.00)		5.9	24.7 13.5
			22	21.56 (2.20)		4.4	
			24	23.52 (2.40)	4.8		
			26	25.48 (2.60)	5.2		
			28	27.44 (2.80)	5.6		
			32	31.36 (3.20)	6.4		
			36	35.28 (3.60)	7.2		
			40	39.20 (4.00)	8.0		