Rectangular Spring ▶ Heavy Load Spring (Green)

Please order according to the diagram

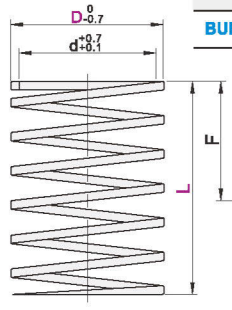
❶~❸ Select the type and parameters in the order of for ordering.

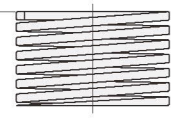
Model (❶Code)	–	❷D	–	❸L
BUBH	–	D8	–	L10

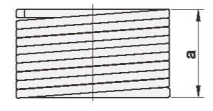
Discounted Price

Quantity	1~9	10~
Price	100%	Separate Quotation

Price Excluding Tax (Yuan)







Code	Type		Material		Maximum Compression
			International	Equivalent	
BUBH	Heavy Load Type	Economy type	60Si2CrA	SWOSC-V	L×24%

L Dimension Tolerance

L	Tolerance
50 or higher	±0.5
50 Below	±1.0%

❶ Load (+10%)
❶ Straightness Angle (below 2°)
❶ Load (N) = Spring Constant (N/mm) x Compression
❶ Heat Resistance Temperature: 150°C
❶ 1kgf=9.81 N
❶ Compressed Length is for reference, slight variations may occur during manufacturing.
❶ Spring color and number of coils may vary between production batches, but product performance meets standards and does not affect use!

Model			Inner Diameter	Spring Constant	a	Usage Method					
						300,000 times F=Lx24%		500,000 times F=Lx21.6%		1,000,000 times F=Lx19.2%	
Code	D	L	d	N/mm	Compressed Length	Fmm	Load N	Fmm	Load N	Fmm	Load N
BUBH	6	15*	3	38.10	11.0	3.6	137	3.2	123	2.9	110
		20*		28.60	14.7	4.8		4.3		3.8	
		25*		22.90	18.4	6.0		5.4		4.8	
		30*		19.10	22.0	7.2		6.5		5.8	
		35*		16.30	25.7	8.4		7.6		6.7	
		40*		14.30	29.4	9.6		8.6		7.7	
		45*		12.70	33.0	10.8		9.7		8.6	
		50*		11.40	36.7	12.0		10.8		9.6	
		55*		10.40	40.4	13.2		11.9		10.6	
		60*		9.50	44.0	14.4		13.0		11.5	
	8	10	4	86.25	7.2	2.4	206	2.2	186	1.9	167
		15		57.50	10.8	3.6		3.2		2.9	
		20		43.13	14.4	4.8		4.3		3.8	
		25		34.50	18.0	6.0		5.4		4.8	
		30		28.75	21.6	7.2		6.5		5.8	
		35		24.64	25.2	8.4		7.6		6.7	
		40		21.56	28.8	9.6		8.6		7.7	
		45		19.17	32.4	10.8		9.7		8.6	
		50		17.25	36.0	12.0		10.8		9.6	
		55		15.68	39.6	13.2		11.9		10.6	
		60		14.38	43.2	14.4		13.0		11.5	
		65		13.27	47.7	15.6		14.0		12.5	
		70		12.32	51.4	16.8		15.1		13.4	
		75		11.50	55.1	18.0		16.2		14.4	
		80		10.70	58.6	19.1		17.2		15.4	
	10	10*	5	123.00	7.5	2.4	294	2.2	265	1.9	235
		15*		81.70	11.1	3.6		3.2		2.9	
		20		61.34	14.4	4.8		4.3		3.8	
		25		49.07	18.0	6.0		5.4		4.8	
		30		40.90	21.6	7.2		6.5		5.8	
		35		35.05	25.2	8.4		7.6		6.7	
		40		30.67	28.8	9.6		8.6		7.7	
		45		27.26	32.4	10.8		9.7		8.6	
		50		24.54	36.0	12.0		10.8		9.6	
		55		22.31	39.6	13.2		11.9		10.6	
		60		20.45	43.2	14.4		13.0		11.5	
		65		18.87	46.8	15.6		14.0		12.5	
		70		17.53	50.4	16.8		15.1		13.4	
		75		16.36	54.0	18.0		16.2		14.4	
		80		15.34	57.6	19.2		17.3		15.4	
		90		13.63	64.8	21.6		19.4		17.3	
	12	15*	6	117.00	11.1	3.6	422	3.2	373	2.9	333
		20		86.34	14.4	4.8		4.3		3.8	
		25		69.07	18.0	6.0		5.4		4.8	
		30		57.56	21.6	7.2		6.5		5.8	
		35		49.34	25.2	8.4		7.6		6.7	
		40		43.17	28.8	9.6		8.6		7.7	
		45		38.37	32.4	10.8		9.7		8.6	
		50		34.54	36.0	12.0		10.8		9.6	
		55		31.40	39.6	13.2		11.9		10.6	
		60		28.78	43.2	14.4		13.0		11.5	
		65		26.57	46.8	15.6		14.0		12.5	
		70		24.67	50.4	16.8		15.1		13.4	
		75		23.02	54.0	18.0		16.2		14.4	
		80		21.59	57.6	19.2		17.3		15.4	
		90		19.19	64.8	21.6		19.4		17.3	
	14	20*	7	120.00	14.6	4.8	579	4.3	520	3.8	461
		25		96.30	18.0	6.0		5.4		4.8	
		30		80.25	21.6	7.2		6.5		5.8	
		35		68.78	25.2	8.4		7.6		6.7	
		40		60.19	28.8	9.6		8.6		7.7	
		45		53.50	32.4	10.8		9.7		8.6	
		50		48.15	36.0	12.0		10.8		9.6	
		55		43.77	39.6	13.2		11.9		10.6	

Model			Inner Diameter	Spring Constant	a	Usage Method					
						300,000 times F=Lx24%		500,000 times F=Lx21.6%		1,000,000 times F=Lx19.2%	
Code	D	L	d	N/mm	Compressed Length	Fmm	Load N	Fmm	Load N	Fmm	Load N
BUBH	14	60	7	40.12	43.2	14.4	579	13.0	520	11.5	461
		65		37.04	46.8	15.6		14.0		12.5	
		70		34.39	50.4	16.8		15.1		13.4	
		75		32.10	54.0	18.0		16.2		14.4	
		80		30.09	57.6	19.2		17.3		15.4	
		90		26.75	64.8	21.6		19.4		17.3	
		100		24.07	72.0	24.0		21.6		19.2	
		125*		19.30	28.5	30.0		27.0		24.0	
	16	20*	8	157.00	14.8	4.8	755	4.3	677	3.8	608
		25		125.37	18.0	6.0		5.4		4.8	
		30		104.48	21.6	7.2		6.5		5.8	
		35		89.55	25.2	8.4		7.6		6.7	
		40		78.36	28.8	9.6		8.6		7.7	
		45		69.65	32.4	10.8		9.7		8.6	
		50		62.69	36.0	12.0		10.8		9.6	
		55		56.99	39.6	13.2		11.9		10.6	
		60		52.24	43.2	14.4		13.0		11.5	
		65		48.22	46.8	15.6		14.0		12.5	
		70		44.78	50.4	16.8		15.1		13.4	
		75		41.79	54.0	18.0		16.2		14.4	
		80		39.18	57.6	19.2		17.3		15.4	
		90		34.83	64.8	21.6		19.4		17.3	
		100		31.34	72.0	24.0		21.6		19.2	
		125		25.07	90.0	30.0		27.0		24.0	
	18	20*	9	198.00	14.6	4.8	951	4.3	853	3.8	765
		25		157.96	18.0	6.0		5.4		4.8	
		30		131.64	21.6	7.2		6.5		5.8	
		35		112.83	25.2	8.4		7.6		6.7	
		40		98.73	28.8	9.6		8.6		7.7	
		45		87.76	32.4	10.8		9.7		8.6	
		50		78.98	36.0	12.0		10.8		9.6	
		55		71.80	39.6	13.2		11.9		10.6	
		60		65.82	43.2	14.4		13.0		11.5	
		65		60.75	46.8	15.6		14.0		12.5	
		70		56.42	50.4	16.8		15.1		13.4	
		75		52.65	54.0	18.0		16.2		14.4	
		80		49.36	57.6	19.2		17.3		15.4	
		90		43.88	64.8	21.6		19.4		17.3	
		100		39.49	72.0	24.0		21.6		19.2	
		125		31.59	90.0	30.0		27.0		24.0	
	20	20*	10	245.00	14.6	4.8	1177	4.3	1059	3.8	941
		25		196.11	18.0	6.0		5.4		4.8	
		30		163.43	21.6	7.2		6.5		5.8	
		35		140.08	25.2	8.4		7.6		6.7	
		40		122.57	28.8	9.6		8.6		7.7	
		45		108.95	32.4	10.8		9.7		8.6	
		50		98.06	36.0	12.0		10.8		9.6	
		55		89.14	39.6	13.2		11.9		10.6	
		60		81.71	43.2	14.4		13.0		11.5	
		65		75.43	46.8	15.6		14.0		12.5	
		70		70.04	50.4	16.8		15.1		13.4	
		75		52.65	54.0	18.0		16.2		14.4	
		80		61.28	57.6	19.2		17.3		15.4	
		90		54.48	64.8	21.6		19.4		17.3	
		100		49.03	72.0	24.0		21.6		19.2	
		125		29.22	90.0	30.0		27.0		24.0	
		150		32.69	108.0	36.0		32.4		28.8	
	22	20*	11	296.20	39.7	4.8	1422	4.32	1275	3.84	1138
		25		236.11	18.0	6.0		5.4		4.8	
		30		196.76	21.6	7.2		6.5		5.8	
		35		168.65	25.2	8.4		7.6		6.7	
		40		147.57	28.8	9.6		8.6		7.7	
		45		131.17	32.4	10.8		9.7		8.6	
		50		118.06	36.0	12.0		10.8		9.6	

❶ Items marked with "*" are applicable to the Economy Series only.

Rectangular Spring ▶ Heavy Load Spring (Green)

Model			Inner Diameter	Spring Constant	a	Usage Method					
						300,000 times F=Lx24%		500,000 times F=Lx21.6%/1,000,000 times F=Lx19.2%			
Code	D	L	d	N/mm	Compressed Length	Fmm	Load N	Fmm	Load N	Fmm	Load N
BUBH	22	55	11	107.32	39.6	13.2	1422	11.9	1275	10.6	1138
		60		98.38	43.2	14.4		13.0		11.5	
		65		90.81	46.8	15.6		14.0		12.5	
		70		84.33	50.4	16.8		15.1		13.4	
		75		78.70	54.0	18.0		16.2		14.4	
		80		73.78	57.6	19.2		17.3		15.4	
		90		65.59	64.8	21.6		19.4		17.3	
		100		59.03	72.0	24.0		21.6		19.2	
		125		47.22	90.0	30.0		27.0		24.0	
		150		39.35	108.0	36.0		32.4		28.8	
	25	20*	12.5	382.10	4.5	4.8	1834	4.32	1657	3.84	1471
		25		306.85	18.0	6.0		5.4		4.8	
		30		255.71	21.6	7.2		6.5		5.8	
		35		219.18	25.2	8.4		7.6		6.7	
		40		191.78	28.8	9.6		8.6		7.7	
		45		170.47	32.4	10.8		9.7		8.6	
		50		153.43	36.0	12.0		10.8		9.6	
		55		139.48	39.6	13.2		11.9		10.6	
		60		127.85	43.2	14.4		13.0		11.5	
		65		118.02	46.8	15.6		14.0		12.5	
		70		109.59	50.4	16.8		15.1		13.4	
		75		102.28	54.4	18.0		16.2		14.4	
		80		95.89	57.6	19.2		17.3		15.4	
		90		85.24	64.8	21.6		19.4		17.3	
		100		76.71	72.0	24.0		21.6		19.2	
		125		61.37	90.0	30.0		27.0		24.0	
		150		51.14	108.0	36.0		32.4		28.8	
		175		43.84	126.0	42.0		37.8		33.6	
		200		38.36	144.0	48.0		43.2		38.4	
	27	25	13.5	357.78	18.0	6.0	2150	5.4	1932	4.8	1716
		30		298.15	21.6	7.2		6.5		5.8	
		35		255.56	25.2	8.4		7.6		6.7	
		40		223.61	28.8	9.6		8.6		7.7	
		45		198.77	32.4	10.8		9.7		8.6	
		50		178.89	36.0	12.0		10.8		9.6	
		55		162.63	39.6	13.2		11.9		10.6	
		60		149.07	43.2	14.4		13.0		11.5	
		65		137.61	46.8	15.6		14.0		12.5	
		70		127.78	50.4	16.8		15.1		13.4	
		75		119.26	54.0	18.0		16.2		14.4	
		80		111.81	57.6	19.2		17.3		15.4	
		90		99.38	64.8	21.6		19.4		17.3	
		100		89.44	72.0	24.0		21.6		19.2	
		125		71.56	90.0	30.0		27.0		24.0	
		150		59.63	108.0	36.0		32.4		28.8	
		175		51.11	126.0	42.0		37.8		33.6	
		200		44.72	144.0	48.0		43.2		38.4	
	30	25	15	440.74	18.0	6.0	2648	5.4	2380	4.8	2120
		30		367.28	21.6	7.2		6.5		5.8	
		35		314.81	25.2	8.4		7.6		6.7	
		40		275.46	28.8	9.6		8.6		7.7	
		45		244.86	32.4	10.8		9.7		8.6	
		50		220.37	36.0	12.0		10.8		9.6	
		55		200.34	39.6	13.2		11.9		10.6	
		60		183.64	43.2	14.4		13.0		11.5	
		65		169.52	46.8	15.6		14.0		12.5	
		70		157.41	50.4	16.8		15.1		13.4	
		75		146.91	54.0	18.0		16.2		14.4	
		80		137.73	57.6	19.2		17.3		15.4	
		90		122.43	64.8	21.6		19.4		17.3	
		100		110.19	72.0	24.0		21.6		19.2	
		125		88.15	90.0	30.0		27.0		24.0	
		150		73.46	108.0	36.0		32.4		28.8	
		175		62.96	126.0	42.0		37.8		33.6	
		200		55.09	144.0	48.0		43.2		38.4	
	35	40	17.5	375.00	28.8	9.6	3600	8.6	3240	7.7	2870
		45		333.33	32.4	10.8		9.7		8.6	
		50		300.00	36.0	12.0		10.8		9.6	
		55		272.73	39.6	13.2		11.9		10.6	
		60		250.00	43.2	14.4		13.0		11.5	
		65		230.77	46.8	15.6		14.0		12.5	
		70		214.29	50.4	16.8		15.1		13.4	
		75		200.00	54.0	18.0		16.2		14.4	
		80		187.50	57.6	19.2		17.3		15.4	
		90		166.67	64.8	21.6		19.4		17.3	
		100		150.00	72.0	24.0		21.6		19.2	
		125		120.00	90.0	30.0		27.0		24.0	
		150		100.00	108.0	36.0		32.4		28.8	
		175		87.71	126.0	42.0		37.8		33.6	
		200		75.00	144.0	48.0		43.2		38.4	

Model			Inner Diameter	Spring Constant	a	Usage Method					
						300,000 times F=Lx24%		500,000 times F=Lx21.6%/1,000,000 times F=Lx19.2%			
Code	D	L	d	N/mm	Compressed Length	Fmm	Load N	Fmm	Load N	Fmm	Load N
BUBH	40	40	20	490.00	28.7	9.6	4710	8.6	4240	7.7	3770
		45		436.21	33.0	10.8		9.7		8.6	
		50		392.59	36.0	12.0		10.8		9.6	
		55		356.90	40.4	13.2		11.9		10.6	
		60		327.16	43.2	14.4		13.0		11.5	
		65		301.99	47.7	15.6		14.0		12.5	
		70		280.42	50.4	16.8		15.1		13.4	
		75		261.73	55.1	18.0		16.2		14.4	
		80		245.37	57.6	19.2		17.3		15.4	
		90		218.11	64.8	21.6		19.4		17.3	
		100		196.30	72.0	24.0		21.6		19.2	
		125		157.04	90.0	30.0		27.0		24.0	
		150		130.86	108.0	36.0		32.4		28.8	
		175		112.17	126.0	42.0		37.8		33.6	
		200		98.15	144.0	48.0		43.2		38.4	
		225		87.24	162.0	54.0		48.6		43.2	
		250		78.52	180.0	60.0		54.0		48.0	
		275		71.38	198.0	66.0		59.4		52.8	
		300		65.43	220.2	72.0		64.8		57.6	
	50	50	25	612.96	36.0	12.0	7360	10.8	6620	9.6	5880
		55		557.24	39.6	13.2		11.9		10.6	
		60		510.80	43.2	14.4		13.0		11.5	
		65		471.51	46.8	15.6		14.0		12.5	
		70		437.83	50.4	16.8		15.1		13.4	
		75		406.64	54.0	18.0		16.2		14.4	
		80		383.10	57.6	19.2		17.3		15.4	
		90		340.53	64.8	21.6		19.4		17.3	
		100		306.48	72.0	24.0		21.6		19.2	
		125		245.19	90.0	30.0		27.0		24.0	
		150		204.32	108.0	36.0		32.4		28.8	
		175		175.13	126.0	42.0		37.8		33.6	
		200		153.24	144.0	48.0		43.2		38.4	
		225		136.21	162.0	54.0		48.6		43.2	
		250		112.59	180.0	60.0		54.0		48.0	
		275		111.45	198.0	66.0		59.4		52.8	
		300		102.16	216.0	72.0		64.8		57.6	
		350		87.57	256.9	84.0		75.6		67.2	
	60	60	30	736.11	43.2	14.4	10590	13.0	9540	11.5	8470
		70		630.95	50.4	16.8		15.1		13.4	
		80		552.08	57.6	19.2		17.3		15.4	
		90		490.74	64.8	21.6		19.4		17.3	
		100		441.67	72.0	24.0		21.6		19.2	
		125		353.33	90.0	30.0		27.0		24.0	
		150		294.44	108.0	36.0		32.4		28.8	
		175		252.38	126.0	42.0		37.8		33.6	
		200		220.83	144.0	48.0		43.2		38.4	
		225		196.30	162.0	54.0		48.6		43.2	
		250		176.67	180.0	60.0		54.0		48.0	
		275		160.61	198.0	66.0		59.4		52.8	
		300		147.22	216.0	72.0		64.8		57.6	
		350		126.19	252.0	84.0		75.6		67.2	
	70	70	38.5	773.81	51.4	16.8	12557	15.1	11301	13.4	10046
		80		677.08	58.7	19.2		17.3		15.4	
		90		601.85	66.1	21.6		19.4		17.3	
		100		541.67	72.0	24.0		21.6		19.2	
		125		433.33	90.0	30.0		27.0		24.0	
		150		361.11	108.0	36.0		32.4		28.8	
		175		309.52	126.0	42.0		37.8		33.6	
		200		270.83	144.0	48.0		43.2		38.4	
		225		240.74	162.0	54.0		48.6		43.2	
		250		216.67	180.0	60.0		54.0		48.0	
		275		196.97	198.0	66.0		59.4		52.8	
		300		174.00	216.0	72.0		64.7		57.5	
		350		149.00	252.0	84.0		75.5		67.1	

(1) Items marked with "*" are applicable to the Economy Series only.