

Rectangular Spring ▶ Medium Compression Spring (Orange)



Please order according to the diagram

①~③ Select the type and parameters in the order of for ordering.

Model (●Code)

BUDS

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②D

D10.5

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③L

L20



Discounted Price

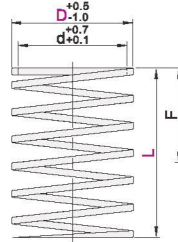
Quantity 1~9 10~

Price 100% Separate Quotation

Price Excluding Tax (¥/unit)



CAD 2D



Code	Type	Material		Maximum Compression
		International	Equivalent	

BUDS	Medium Compression	60Si2CrA	SWOSC-V	L×40%
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■ L Dimension Tolerance

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

- ① Load (+10%)
- ① Straightness Angle (below 3°)
- ① Load (N) = Spring Constant (N/mm) × Compression
- ① Usage: 1,000,000 times (300,000 times for L×70%)
- ① Heat Resistance Temperature: 150°C
- ① 1kgf=9.81 N
- ① Compressed Length is for reference, slight variations may occur during manufacturing.
- ① 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 N/mm	a		Usage Method F=L×40%	
Code	D	L			d	Compressed Length	Fmm	Load N
BUDS	10.5	20	5.5	10.90	10	8	87.2	
		25		8.72	12.5	10		
		30		7.26	15	12		
		35		6.23	17.5	14		
		40		5.45	20	16		
		45		4.84	22.5	18		
		50		4.36	25	20		
		55		3.96	27.5	22		
		60		3.63	30	24		
		65		3.35	32.5	26		
	70	3.11	35	28				
	75	2.91	37.5	30				
	80	2.72	40	32				
	20	15.25	10	8				
	25	12.20	12.5	10				
	30	10.17	15	12				
	35	8.72	17.5	14	122.0			
	40	7.63	20	16				
	45	6.78	22.5	18				
	50	6.10	25	20				
	55	5.55	27.5	22				
	60	5.08	30	24				
	65	4.69	32.5	26				
	70	4.36	35	28				
	75	4.07	37.5	30				
	80	3.81	40	32				
	20	24.51	10	8				
	25	19.61	12.5	10				
	30	16.37	15	12				
	35	14.02	17.5	14				
40	12.25	20	16					
45	10.88	22.5	18	196.1				
50	9.80	25	20					
55	8.92	27.5	22					
60	8.13	30	24					
65	7.55	32.5	26					
70	6.96	35	28					
75	6.57	37.5	30					
80	6.17	40	32					
90	5.49	45	36					
100	4.90	50	40					
125	3.92	62.5	50					
150	3.27	75	60					
25	29.41	12.5	10					
30	24.51	15	12					
35	20.98	17.5	14	294.2				
40	18.43	20	16					
45	16.37	22.5	18					
50	14.70	25	20					
55	13.33	27.5	22					
60	12.25	30	24					
65	11.27	32.5	26					

Model			Inner Diameter d	Spring Constant N/mm	a		Usage Method F=L×40%	
Code	D	L			Compressed Length	Fmm	Load N	
BUDS	17	70	10.5	10.49	35	28	294.2	
		75		9.80	37.5	30		
		80		9.21	40	32		
		90		8.13	45	36		
		100		7.35	50	40		
		125		5.88	62.5	50		
		150		4.90	75	60		
		30		35.10	15	12		
		35		30.10	17.5	14		
	21	40	13.5	26.37	20	16	422	
		45		23.43	22.5	18		
		50		21.08	25	20		
		55		19.12	27.5	22		
		60		17.55	30	24		
		65		16.18	32.5	26		
		70		15.10	35	28		
		75		14.02	37.5	30		
		80		13.14	40	32		
		90		11.66	45	36		
BUDS	26	100	16.5	10.59	50	40	569	
		110		9.61	55	44		
		120		8.82	60	48		
		125		8.43	62.5	50		
		130		8.13	65	52		
		140		7.55	70	56		
		150		7.06	75	60		
		175		6.02	87.5	70		
		200		5.27	100	80		
		30		47.36	15	12		
	25	35	16.5	40.59	17.5	14	569	
		40		35.59	20	16		
		45		31.57	22.5	18		
		50		28.43	25	20		
		55		25.88	27.5	22		
		60		23.63	30	24		
		65		21.86	32.5	26		
		70		20.29	35	28		
		75		18.92	37.5	30		
		80		17.75	40	32		
		90		15.78	45	36		
		100		14.21	50	40		
		110		12.94	55	44		
		120		11.86	60	48		
		125		11.37	62.5	50		
		130		10.98	65	52		
		140		10.19	70	56		
		150		9.51	75	60		
		175		8.13	87.5	70		
		200		7.15	100	80		
		225		6.32	112.5	90		
		250		5.69	125	100		

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Model			Inner Diameter d	Spring Constant N/mm	a Compressed Length	Usage Method	
Code	D	L				F = L×40% Fmm	Load N
31	21	40	21	49.03	20	16	784
		45		43.54	22.5	18	
		50		39.22	25	20	
		55		35.66	27.5	22	
		60		32.65	30	24	
		65		30.17	32.5	26	
		70		28.04	35	28	
		75		26.15	37.5	30	
		80		24.51	40	32	
		90		21.77	45	36	
		100		19.61	50	40	
		110		17.84	55	44	
		120		16.37	60	48	
		125		15.69	62.5	50	
		130		15.10	65	52	
		140		14.02	70	56	
		150		13.04	75	60	
		160		12.25	80	64	
		170		11.57	85	68	
		175		11.17	87.5	70	
		180		10.88	90	72	
		190		10.29	95	76	
		200		9.80	100	80	
		250		7.84	125	100	
		300		6.57	150	120	
37	26	40		52.07	20	16	833.6
		45		46.28	22.5	18	
		50		41.67	25	20	
		55		37.89	27.5	22	
		60		34.71	30	24	
		65		32.06	32.5	26	
		70		29.81	35	28	
		75		27.79	37.5	30	
		80		26.08	40	32	
		90		23.14	45	36	
		100		20.88	50	40	
		110		18.92	55	44	
		120		17.35	60	48	
		125		16.67	62.5	50	
		130		15.98	65	52	
		140		14.90	70	56	
		150		13.92	75	60	
		160		13.04	80	64	
		170		12.25	85	68	
		175		11.86	87.5	70	
		180		11.57	90	72	
		190		10.98	95	76	
		200		10.39	100	80	
		250		8.33	125	100	
		300		6.96	150	120	

BUDS

Model			Inner Diameter d	Spring Constant N/mm	a Compressed Length	Usage Method	
Code	D	L				F = L×40% Fmm	Load N
44.5	31	50	31	50.01	25	20	1003
		60		41.68	30	24	
		70		35.72	35	28	
		80		31.26	40	32	
		90		27.79	45	36	
		100		25.01	50	40	
		110		22.73	55	44	
		120		20.84	60	48	
		130		19.24	65	52	
		140		17.86	70	56	
		150		16.67	75	60	
		160		15.63	80	64	
		170		14.71	85	68	
		180		13.89	90	72	
		190		13.16	95	76	
		200		12.50	100	80	
		225		11.11	112.5	90	
		250		10.00	125	100	
		275		9.09	137.5	110	
		300		8.34	150	120	
46	33	50	33	63.74	25	20	1275
		60		53.15	30	24	
		70		45.50	35	28	
		80		39.81	40	32	
		90		35.40	45	36	
		100		31.87	50	40	
		110		28.92	55	44	
		120		26.57	60	48	
		125		25.49	62.5	50	
		130		24.51	65	52	
		140		22.75	70	56	
		150		21.28	75	60	
		175		18.24	87.5	70	
		200		15.98	100	80	
		225		14.12	112.5	90	
		250		12.74	125	100	
		275		11.57	137.5	110	
		300		10.59	150	120	
		60		65.38	30	24	
		70		56.04	35	28	
52	37	80	37	49.03	40	32	1570
		90		43.58	45	36	
		100		39.23	50	40	
		110		35.66	55	44	
		120		32.69	60	48	
		130		30.17	65	52	
		140		28.02	70	56	
		150		26.15	75	60	
		175		22.42	87.5	70	
		200		19.61	100	80	
		225		17.43	112.5	90	
		250		15.69	125	100	
		275		14.26	137.5	110	
		300		13.08	150	120	

BUDS