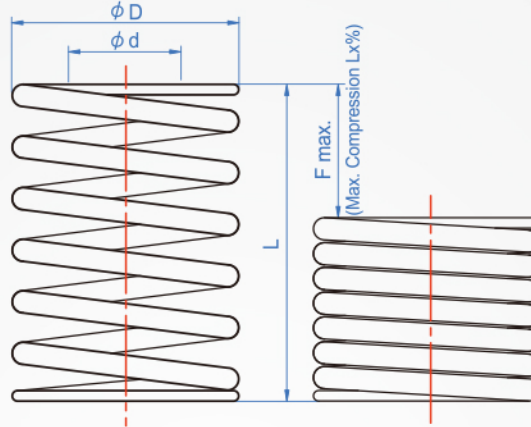


Green
TH187



O.D.	Inner diameter	Length 50mm		Load	Curl direction
		Below	Above		
+0 mm -0.7mm	+0.7mm -0.1mm	±0.5mm	±1%	±10%	right

- Material SEA9254 advantage : heavily stressed 、 high amplitude 、 heatproof.
- Springs broadside marked specification materials,easy to identify and classify.
Load(kg)=Definite number(kg/mm)x Compression(Fmm)

How to order

TH187 - 10 - 75
TYPE D L

D	L	d	Definite number kg/mm	300,000 times		500,000 times		1 million times	
				Length X 50% Fmm	Load X 50% (kg)	Length X 45% Fmm	Load X 45% (kg)	Length X 40% Fmm	Load X 40% (kg)
8	15	4	5.86	3.6	3.2	2.9	21	19	17
	20		4.40	4.8	4.3	3.8			
	25		3.52	6.0	5.4	4.8			
	30		2.93	7.2	6.5	5.8			
	35		2.51	8.4	7.6	6.7			
	40		2.20	9.6	8.6	7.7			
	45		1.95	10.8	9.7	8.6			
	50		1.76	12.0	10.8	9.6			
	55		1.60	13.2	11.9	10.6			
	60		1.47	14.4	13.0	11.5			
	65		1.35	15.6	14.0	12.5			
	70		1.26	16.8	15.1	13.4			
75	1.17	18.0	16.2	14.4					
80	1.10	19.2	17.3	15.4					
90	0.98	21.6	19.4	17.3					
10	20	5	6.25	4.8	4.3	3.8	30	27	24
	25		5.00	6.0	5.4	4.8			
	30		4.16	7.2	6.5	5.8			
	35		3.57	8.4	7.6	6.7			
	40		3.15	9.6	8.6	7.7			
	45		2.77	10.8	9.7	8.6			
	50		2.50	12.0	10.8	9.6			
	55		2.27	13.2	11.9	10.6			
	60		2.08	14.4	13.0	11.5			
	65		1.92	15.6	14.0	12.5			
	70		1.79	16.8	15.1	13.4			
	75		1.67	18.0	16.2	14.4			
80	1.56	19.2	17.3	15.4					
90	1.39	21.6	19.4	17.3					
100	1.25	24.0	21.6	19.2					
12	20	6	8.90	4.8	4.3	3.8	43	38	34
	25		7.10	6.0	5.4	4.8			
	30		5.97	7.2	6.5	5.8			
	35		5.11	8.4	7.6	6.7			
	40		4.47	9.6	8.6	7.7			
	45		3.98	10.8	9.7	8.6			
	50		3.58	12.0	10.8	9.6			
	55		3.25	13.2	11.9	10.6			
	60		2.98	14.4	13.0	11.5			
	65		2.74	15.6	14.0	12.5			
	70		2.54	16.8	15.1	13.4			
	75		2.37	18.0	16.2	14.4			
80	2.21	19.2	17.3	15.4					
90	1.98	21.6	19.4	17.3					
100	1.78	24.0	21.6	19.2					

D	L	d	Definite number kg/mm	300,000 times		500,000 times		1 million times	
				Length X 50% Fmm	Load X 50% (kg)	Length X 45% Fmm	Load X 45% (kg)	Length X 40% Fmm	Load X 40% (kg)
14	25	7	9.83	6.0	5.4	4.8	59	53	47
	30		8.19	7.2	6.5	5.8			
	35		7.02	8.4	7.6	6.7			
	40		6.14	9.6	8.6	7.7			
	45		5.46	10.8	9.7	8.6			
	50		4.91	12.0	10.8	9.6			
	55		4.46	13.2	11.9	10.6			
	60		4.09	14.4	13.0	11.5			
	65		3.78	15.6	14.0	12.5			
	70		3.51	16.8	15.1	13.4			
	75		3.27	18.0	16.2	14.4			
	80		3.07	19.2	17.3	15.4			
90	2.72	21.6	19.4	17.3					
100	2.46	24.0	21.6	19.2					
125	1.97	30.0	27.0	24.0					
16	25	8	12.83	6.0	5.4	4.8	77	69	62
	30		10.69	7.2	6.5	5.8			
	35		9.16	8.4	7.6	6.7			
	40		8.02	9.6	8.6	7.7			
	45		7.12	10.8	9.7	8.6			
	50		6.41	12.0	10.8	9.6			
	55		5.83	13.2	11.9	10.6			
	60		5.34	14.4	13.0	11.5			
	65		4.93	15.6	14.0	12.5			
	70		4.58	16.8	15.1	13.4			
	75		4.28	18.0	16.2	14.4			
	80		4.01	19.2	17.3	15.4			
90	3.57	21.6	19.4	17.3					
100	3.21	24.0	21.6	19.2					
125	2.57	30.0	27.0	24.0					
18	25	9	16.16	6.0	5.4	4.8	97	87	78
	30		13.47	7.2	6.5	5.8			
	35		11.54	8.4	7.6	6.7			
	40		10.10	9.6	8.6	7.7			
	45		8.98	10.8	9.7	8.6			
	50		8.08	12.0	10.8	9.6			
	55		7.34	13.2	11.9	10.6			
	60		6.73	14.4	13.0	11.5			
	65		6.21	15.6	14.0	12.5			
	70		5.77	16.8	15.1	13.4			
	75		5.39	18.0	16.2	14.4			
	80		5.05	19.2	17.3	15.4			
90	4.50	21.6	19.4	17.3					
100	4.04	24.0	21.6	19.2					
125	3.23	30.0	27.0	24.0					

1		2		Unit : mm							
D	L	d	Definite number kg/mm	300,000 times		500,000 times		1 million times			
				Length Fmm	X 50% Load (kg)	Length Fmm	X 45% Load (kg)	Length Fmm	X 40% Load (kg)		
20	10	10	25	20.00	6.0	5.4	4.8	120	108	96	
			30	16.66	7.2	6.5	5.8				
			35	14.28	8.4	7.6	6.7				
			40	12.50	9.6	8.6	7.7				
			45	11.11	10.8	9.7	8.6				
			50	10.00	12.0	10.8	9.6				
			55	9.09	13.2	11.9	10.6				
			60	8.33	14.4	13.0	11.5				
			65	7.69	15.6	14.0	12.5				
			70	7.14	16.8	15.1	13.4				
			75	6.67	18.0	16.2	14.4				
			80	6.25	19.2	17.3	15.4				
			90	5.55	21.6	19.4	17.3				
			100	5.00	24.0	21.6	19.2				
			125	4.00	30.0	27.0	24.0				
150	3.33	36.0	32.4	28.8							
175	2.86	42.0	37.8	33.6							
22	11	11	25	24.16	6.0	5.4	4.8	145	130	116	
			30	20.13	7.2	6.5	5.8				
			35	17.30	8.4	7.6	6.7				
			40	15.10	9.6	8.6	7.7				
			45	13.40	10.8	9.7	8.6				
			50	12.08	12.0	10.8	9.6				
			55	10.94	13.2	11.9	10.6				
			60	10.06	14.4	13.0	11.5				
			65	9.28	15.6	14.0	12.5				
			70	8.63	16.8	15.1	13.4				
			75	8.04	18.0	16.2	14.4				
			80	7.55	19.2	17.3	15.4				
			90	6.71	21.6	19.4	17.3				
			100	6.04	24.0	21.6	19.2				
			125	4.83	30.0	27.0	24.0				
150	4.02	36.0	32.4	28.8							
175	3.45	42.0	37.8	33.6							
25	12.5	12.5	25	31.20	6.0	5.4	4.8	187	169	150	
			30	25.97	7.2	6.5	5.8				
			35	22.38	8.4	7.6	6.7				
			40	19.47	9.6	8.6	7.7				
			45	17.40	10.8	9.7	8.6				
			50	15.58	12.0	10.8	9.6				
			55	14.20	13.2	11.9	10.6				
			60	12.98	14.4	13.0	11.5				
			65	12.00	15.6	14.0	12.5				
			70	11.13	16.8	15.1	13.4				
			75	10.40	18.0	16.2	14.4				
			80	9.73	19.2	17.3	15.4				
			90	8.65	21.6	19.4	17.3				
			100	7.79	24.0	21.6	19.2				
			125	6.23	30.0	27.0	24.0				
150	5.20	36.0	32.4	28.8							
175	4.46	42.0	37.8	33.6							
200	3.90	48.0	43.2	38.4							
27	13.5	13.5	25	36.40	6.0	5.4	4.8	219	197	175	
			30	30.41	7.2	6.5	5.8				
			35	26.20	8.4	7.6	6.7				
			40	22.81	9.6	8.6	7.7				
			45	20.30	10.8	9.7	8.6				
			50	18.25	12.0	10.8	9.6				
			55	16.50	13.2	11.9	10.6				
			60	15.20	14.4	13.0	11.5				
			65	14.00	15.6	14.0	12.5				
			70	13.03	16.8	15.1	13.4				
			75	12.10	18.0	16.2	14.4				
			80	11.40	19.2	17.3	15.4				
			90	10.13	21.6	19.4	17.3				
			100	9.12	24.0	21.6	19.2				
			125	7.30	30.0	27.0	24.0				
150	6.08	36.0	32.4	28.8							
175	5.21	42.0	37.8	33.6							
200	4.56	48.0	43.2	38.4							
30	15	15	25	45.00	6.0	5.4	4.8	270	243	216	
			30	37.50	7.2	6.5	5.8				

1		2		Unit : mm							
D	L	d	Definite number kg/mm	300,000 times		500,000 times		1 million times			
				Length Fmm	X 50% Load (kg)	Length Fmm	X 45% Load (kg)	Length Fmm	X 40% Load (kg)		
30	15	15	35	32.26	8.4	7.6	6.7	270	243	216	
			40	28.12	9.6	8.6	7.7				
			45	25.00	10.8	9.7	8.6				
			50	22.50	12.0	10.8	9.6				
			55	20.40	13.2	11.9	10.6				
			60	18.75	14.4	13.0	11.5				
			65	17.30	15.6	14.0	12.5				
			70	16.07	16.8	15.1	13.4				
			75	15.00	18.0	16.2	14.4				
			80	14.06	19.2	17.3	15.4				
			90	12.50	21.6	19.4	17.3				
			100	11.25	24.0	21.6	19.2				
			125	9.00	30.0	27.0	24.0				
			150	7.50	36.0	32.4	28.8				
			175	6.42	42.0	37.8	33.6				
200	5.62	48.0	43.2	38.4							
35	17.5	17.5	40	38.22	9.6	8.6	7.7	367	330	293	
			45	33.98	10.8	9.7	8.6				
			50	30.58	12.0	10.8	9.6				
			55	27.80	13.2	11.9	10.6				
			60	25.48	14.4	13.0	11.5				
			65	23.53	15.6	14.0	12.5				
			70	21.84	16.8	15.1	13.4				
			75	20.39	18.0	16.2	14.4				
			80	19.11	19.2	17.3	15.4				
			90	16.99	21.6	19.4	17.3				
			100	15.29	24.0	21.6	19.2				
			125	12.23	30.0	27.0	24.0				
			150	10.19	36.0	32.4	28.8				
			175	8.73	42.0	37.8	33.6				
			200	7.64	48.0	43.2	38.4				
40	20	20	50	40.00	12.0	10.8	9.6	480	432	384	
			60	33.33	14.4	13.0	11.5				
			70	28.57	16.8	15.1	13.4				
			80	25.00	19.2	17.3	15.4				
			90	22.22	21.6	19.4	17.3				
			100	20.00	24.0	21.6	19.2				
			125	16.00	30.0	27.0	24.0				
			150	13.33	36.0	32.4	28.8				
			175	11.42	42.0	37.8	33.6				
			200	10.00	48.0	43.2	38.4				
			225	8.89	54.0	48.6	43.2				
			250	8.00	60.0	54.0	48.0				
			275	7.27	66.0	59.4	52.8				
			300	6.67	72.0	64.8	57.6				
			50	25	25	60	52.08				14.4
70	44.64	16.8				15.1	13.4				
80	39.06	19.2				17.3	15.4				
90	34.72	21.6				19.4	17.3				
100	31.25	24.0				21.6	19.2				
125	25.00	30.0				27.0	24.0				
150	20.83	36.0				32.4	28.8				
175	17.85	42.0				37.8	33.6				
200	15.62	48.0				43.2	38.4				
225	13.89	54.0				48.6	43.2				
250	12.50	60.0				54.0	48.0				
275	11.36	66.0				59.4	52.8				
300	10.41	72.0				64.8	57.6				
350	8.93	84.0				75.6	67.2				
60	30	30				70	64.28	16.8	15.1	13.4	1080
			80	56.25	19.2	17.3	15.4				
			90	50.00	21.6	19.4	17.3				
			100	45.00	24.0	21.6	19.2				
			125	36.00	30.0	27.0	24.0				
			150	30.00	36.0	32.4	28.8				
			175	25.71	42.0	37.8	33.6				
			200	22.50	48.0	43.2	38.4				
			225	20.00	54.0	48.6	43.2				
			250	18.00	60.0	54.0	48.0				
			275	16.36	66.0	59.4	52.8				
			300	15.00	72.0	64.8	57.6				
			350	12.86	84.0	75.6	67.2				

Copyright © CHENA INDUSTRIAL CO., LTD All Rights Reserved.