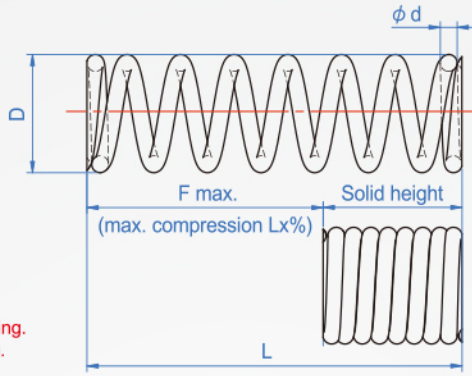


45% Compression
CC154
4/9

Material	Heat resistance	Curl direction
SUS-WP JIS G 4314	80°	Right



How to order

① ② ③
CC154 - 5 - 30 - 0.50
TYPE D L d

- ◆ D Tolerance : Below φ 16 ⁺⁰ -0.5mm
- ◆ L : 50以下 ±1.5mm
- ◆ End grinding : Wire diameter below φ 0.75 No grinding.
Wire diameter above φ 0.8 is grinding.
- ◆ Frequency of use : About 100 million times.

① ② ③			Unit : mm					
D	L	d	Solid height	Max. Compression Lx%	F max.	Load N/max	Modulus ±10%	
2	5	0.20	2.35	45%	2.25	0.66	0.3 N/mm	
	10	0.20	2.35	45%	4.5	1.3		
	15	0.26	7.8	45%	6.7	2		
	20	0.26	7.8	45%	9	2.7		
	25	0.29	13.6	45%	11.2	3.3		
3	5	0.29	13.6	45%	13.5	4	0.49 N/mm	
	10	0.26	1.8	45%	2.25	1.1		
	15	0.32	3.5	45%	4.5	2.2		
	20	0.32	3.5	45%	6.7	3.2		
	25	0.35	6.3	45%	9	4.4		
4	30	0.35	6.3	45%	11.2	5.5	0.49 N/mm	
	35	0.40	12.4	45%	13.5	6.6		
	40	0.40	12.4	45%	15.7	7.6		
	5	0.40	2	45%	2.25	1.1		0.49 N/mm
	10	0.35	3	45%	4.5	2.2		
15	0.40	5.2	45%	6.7	3.2			
20	0.40	5.2	45%	9	4.4			
25	0.45	9.5	45%	11.2	5.5			
5	30	0.45	9.5	45%	13.5	6.6	0.49 N/mm	
	35	0.50	15.5	45%	15.7	7.6		
	40	0.50	15.5	45%	18	8.8		
	45	0.50	15.5	45%	20	9.8		
	50	0.50	15.5	45%	22.5	10.8		
6	60	0.55	22.6	45%	27	12.7	0.49 N/mm	
	5	0.35	2.01	45%	2.25	1.1		0.49 N/mm
	10	0.40	3.2	45%	4.5	2.2		
	15	0.40	3.2	45%	6.75	3.3		
	20	0.45	4.95	45%	9	4.4		
8	25	0.45	4.95	45%	11.25	5.5	0.49 N/mm	
	30	0.50	7.75	45%	13.5	6.7		
	35	0.50	7.75	45%	15.75	7.7		
	40	0.60	19.5	45%	18	8.8		
	45	0.60	19.5	45%	20.25	10		
10	50	0.60	19.5	45%	22.5	11.2	0.49 N/mm	
	60	0.65	27.95	45%	27	13.4		
	5	0.40	2.2	45%	2.25	1.1		0.49 N/mm
	10	0.50	5	45%	4.5	2.2		
	15	0.55	7.7	45%	6.7	3.2		
20	0.55	7.7	45%	9	4.4			
12	25	0.60	10.8	45%	11.2	5.5	0.49 N/mm	
	30	0.65	15.6	45%	13.5	6.6		
	35	0.65	15.6	45%	15.7	7.6		
	40	0.65	15.6	45%	18	8.8		
	45	0.65	15.6	45%	20	9.8		
13	50	0.70	23.1	45%	22.5	10.8	0.49 N/mm	
	60	0.70	23.1	45%	27	12.7		
	70	0.75	30.8	45%	31.5	14.7		
	10	0.60	4.2	45%	4.5	2.2		0.49 N/mm
	15	0.65	7.2	45%	6.7	3.2		
20	0.70	10.5	45%	9	4.4			
25	0.70	10.5	45%	11.2	5.5			
16	30	0.75	13.5	45%	13.5	6.6	0.49 N/mm	
	35	0.75	13.5	45%	15.7	7.6		
	40	0.80	18.4	45%	18	8.8		
	45	0.80	18.4	45%	20	9.8		
	50	0.80	18.4	45%	22.5	10.8		
20	60	0.85	26.4	45%	27	12.7	0.98 N/mm	
	20	1.20	7.2	45%	9	8.8		0.98 N/mm
	25	1.30	9.1	45%	11.3	11.1		
	30	1.40	11.9	45%	13.5	13.2		
	35	1.40	11.9	45%	15.8	15.5		
25	40	1.50	15.8	45%	18	17.7	0.98 N/mm	
	45	1.50	15.8	45%	20.3	19.9		
	50	1.60	20.8	45%	22.5	22.1		
	60	1.60	20.8	45%	27	26.5		
	70	1.70	26.4	45%	31.5	30.9		
80	1.70	26.4	45%	36	35.3			

① ② ③			Unit : mm					
D	L	d	Solid height	Max. Compression Lx%	F max.	Load N/max	Modulus ±10%	
8	70	0.85	26.4	45%	31.5	14.7	0.49 N/mm	
	80	0.85	26.4	45%	36	17.7		
	10	0.65	4.6	45%	4.5	2.2		0.49 N/mm
	15	0.65	4.6	45%	6.7	3.2		
	20	0.80	9.6	45%	9	4.4		
10	25	0.80	9.6	45%	11.2	5.5	0.49 N/mm	
	30	0.85	12.8	45%	13.5	6.6		
	35	0.85	12.8	45%	15.7	7.6		
	40	0.90	17	45%	18	8.8		
	45	0.90	17	45%	20	9.8		
12	50	0.90	17	45%	22.5	10.8	0.49 N/mm	
	60	1.00	28	45%	27	12.7		
	70	1.00	28	45%	31.5	14.7		
	80	1.00	28	45%	36	17.7		
	15	15	0.80	6.8	45%	6.7		3.2
20		0.80	6.8	45%	9	4.4		
25		0.80	6.8	45%	11.2	5.5		
30		0.90	10.8	45%	13.5	6.6		
35		1.00	17	45%	15.7	7.6		
17	40	1.00	17	45%	18	8.8	0.49 N/mm	
	45	1.00	17	45%	20	9.8		
	50	1.10	26.4	45%	22.5	10.8		
	60	1.10	26.4	45%	27	12.7		
	70	1.10	26.4	45%	31.5	14.7		
20	80	1.20	39.6	45%	36	17.7	0.49 N/mm	
	15	0.80	5.6	45%	6.7	3.2		0.49 N/mm
	20	0.80	5.6	45%	9	4.4		
	25	0.85	7.2	45%	11.2	5.5		
	30	1.00	14	45%	13.5	6.6		
25	35	1.00	14	45%	15.7	7.6	0.49 N/mm	
	40	1.00	14	45%	18	8.8		
	45	1.10	21.5	45%	20	9.8		
	50	1.10	21.5	45%	22.5	10.8		
	60	1.10	21.5	45%	27	12.7		
30	70	1.20	30	45%	31.5	14.7	0.49 N/mm	
	80	1.20	30	45%	36	17.7		
	15	0.90	5.6	45%	6.7	3.2		0.49 N/mm
	20	1.00	7.7	45%	9	4.4		
	25	1.00	7.7	45%	11.2	5.5		
35	30	1.10	12.1	45%	13.5	6.6	0.49 N/mm	
	35	1.10	12.1	45%	15.7	7.6		
	40	1.20	18	45%	18	8.8		
	45	1.20	18	45%	20	9.8		
	50	1.20	18	45%	22.5	10.8		
40	60	1.30	26	45%	27	12.7	0.49 N/mm	
	70	1.30	26	45%	31.5	14.7		
	80	1.40	35	45%	36	17.7		
	20	1.20	7.2	45%	9	8.8		0.98 N/mm
	25	1.30	9.1	45%	11.3	11.1		
30	1.40	11.9	45%	13.5	13.2			
35	1.40	11.9	45%	15.8	15.5			
50	40	1.50	15.8	45%	18	17.7	0.98 N/mm	
	45	1.50	15.8	45%	20.3	19.9		
	50	1.60	20.8	45%	22.5	22.1		
	60	1.60	20.8	45%	27	26.5		
	70	1.70	26.4	45%	31.5	30.9		
80	1.70	26.4	45%	36	35.3			

Example : CC154-5-30-0.5
Length 30 (ex. Tensile 5mm) to load 25
Load=Modulus x Extension
2.45N=0.48N/mm x 5mm

※Load calculation formula : Load(N) = Modulus x Compression
 ※Conversion : kgf=N x 0.102
 ※Solid height is the reference value, there will be little difference in the production.

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