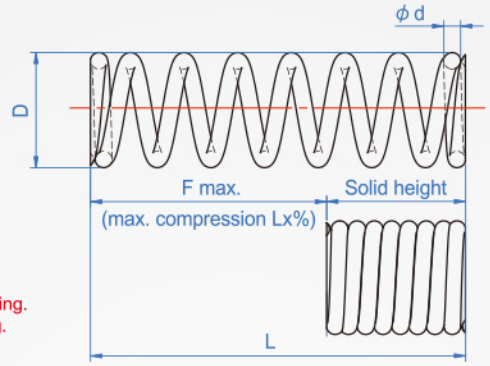
27~40% Compression

CC156

6/9



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

◆ D Tolerance：Below φ 16 $^{+0}_{-0.5}$mm

◆ 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.

How to order

CC156 - 4 - 15 - 0.50
TYPE D L d

Unit : mm

D	L	d	Solid height	Max. Compression L x %	Max. Compression F max.	Load N/max	Modulus ±10%
3	5	0.35	2.8	40%	2	2.9	1.5 N/mm
	10	0.40	4.8	40%	4	5.9	
	15	0.45	8.3	40%	6	8.8	
	20	0.45	8.3	30%	6	8.8	
	25	0.50	14	32%	8	11.8	
	30	0.50	14	27%	8	11.8	
4	5	0.40	2.6	40%	2	2.9	1.5 N/mm
	10	0.45	3.9	40%	4	5.9	
	15	0.50	6.0	40%	6	8.8	
	20	0.55	9.4	40%	8	11.8	
	25	0.60	14.4	40%	10	14.7	
	30	0.60	14.4	33%	10	14.7	
5	5	0.45	2.6	40%	2	2.9	1.5 N/mm
	10	0.50	3.6	40%	4	5.9	
	15	0.60	7.5	40%	6	8.8	
	20	0.60	7.5	40%	8	11.8	
	25	0.65	10.7	40%	10	14.7	
	30	0.70	15.4	40%	12	17.7	
	35	0.70	15.4	40%	14	20.6	
6	5	0.50	2.4	40%	2	3.9	2.0 N/mm
	10	0.60	4.2	40%	4	7.8	
	15	0.70	7.4	40%	6	11.8	
	20	0.70	7.4	40%	8	15.7	
	25	0.80	13.6	40%	10	19.6	
	30	0.80	13.6	40%	12	23.5	
	35	0.85	17.5	40%	14	27.5	
	40	0.90	23.4	40%	16	31.4	
	45	0.90	23.4	40%	18	35.3	
	50	0.90	23.4	36%	18	35.3	
	60	1.00	41.0	30%	18	35.3	
	70	1.00	41.0	34%	24	47.1	
8	10	0.75	5.3	40%	4	7.8	2.0 N/mm
	15	0.75	5.3	40%	6	11.8	
	20	0.90	10.4	40%	8	15.7	
	25	0.90	10.4	40%	10	19.6	
	30	1.00	17.0	40%	12	23.5	
	35	1.00	17.0	40%	14	27.5	
	40	1.00	17.0	40%	16	31.4	
	45	1.10	25.3	40%	18	35.3	
	50	1.10	25.3	40%	20	39.2	
	60	1.10	25.3	40%	24	47.1	
	70	1.20	39.6	40%	28	54.9	
10	10	0.85	5.1	40%	4	7.8	2.0 N/mm
	15	0.85	5.1	40%	6	11.8	

Unit : mm

D	L	d	Solid height	Max. Compression L x %	Max. Compression F max.	Load N/max	Modulus ±10%
10	20	1.00	9.5	40%	8	15.7	2.0 N/mm
	25	1.00	9.5	40%	10	19.6	
	30	1.10	14.3	40%	12	23.5	
	35	1.10	14.3	40%	14	27.5	
	40	1.20	20.4	40%	16	31.4	
	45	1.20	20.4	40%	18	35.3	
	50	1.20	20.4	40%	20	39.2	
	60	1.30	29.9	40%	24	47.1	
	70	1.40	43.4	34%	24	47.1	
13	15	1.00	5.75	40%	6	11.8	2.0 N/mm
	20	1.20	10.5	40%	8	15.7	
	25	1.20	10.5	40%	10	19.6	
	30	1.30	15.0	40%	12	23.5	
	35	1.30	15.0	40%	14	27.5	
	40	1.40	20.3	40%	16	31.4	
	45	1.40	20.3	40%	18	35.3	
	50	1.50	27.8	40%	20	39.2	
	60	1.50	27.8	40%	24	47.1	
	70	1.60	38.4	40%	28	54.9	
	80	1.60	38.4	40%	32	62.8	
16	15	1.20	7.2	40%	6	11.8	2.0 N/mm
	20	1.30	9.1	40%	8	15.7	
	25	1.30	9.1	40%	10	19.6	
	30	1.40	12.3	40%	12	23.5	
	35	1.50	16.5	40%	14	27.5	
	40	1.60	21.6	40%	16	31.4	
	45	1.60	21.6	40%	18	35.3	
	50	1.70	28.0	40%	20	39.2	
	60	1.70	28.0	40%	24	47.1	
	70	1.80	36.0	40%	28	54.9	
	80	1.80	36.0	40%	32	62.8	
20	20	1.70	10.6	40%	8	31.4	3.9 N/mm
	25	1.80	12.6	40%	10	39.2	
	30	1.80	12.6	40%	12	47.1	
	35	2.00	19.0	40%	14	54.9	
	40	2.00	19.0	40%	16	62.8	
	45	2.00	19.0	40%	18	70.6	
	50	2.20	27.5	40%	20	78.5	
	60	2.20	27.5	40%	24	94.1	
	70	2.30	34.5	40%	28	109.8	
	80	2.40	40.88	40%	32	125.5	

※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.

Example： CC156-5-30-0.7
Length 30 (ex. Tensile 5mm) to load 25
Load=Modulus x Extension + Initial tension
7.5N=1.5N/mm x 5mm

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