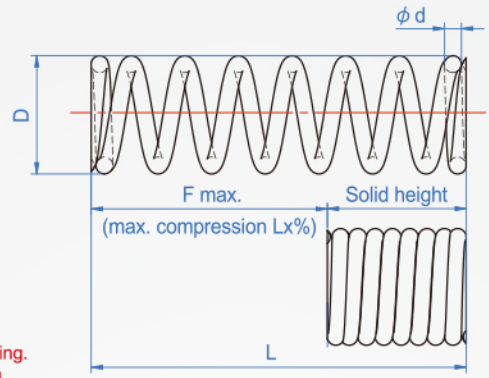
15~25% Compression

CC159

9/9 (Heavy)



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

CC159 - 5 - 15 - 0.80
TYPE | D | L | d

Unit：mm

D	L	d	Solid height	Max. Compression L x %	Max. Compression F max.	Load N/max	Modulus ±10%
4	5	0.55	3.3	25%	1.25	6.1	4.9 N/mm
	10	0.65	7.0	25%	2.5	12.3	
	15	0.70	10.3	25%	3.75	18.4	
	20	0.75	14.4	25%	5.0	24.5	
	25	0.80	19.4	20%	5.0	24.5	
5	5	0.60	2.9	25%	1.25	6.1	4.9 N/mm
	10	0.75	6.9	25%	2.5	12.3	
	15	0.80	9.8	25%	3.75	18.4	
	20	0.85	13.4	25%	5.0	24.5	
	25	0.90	17.8	25%	6.25	30.6	
	30	0.90	21.8	25%	7.5	36.8	
6	5	0.80	3.6	25%	1.25	12.3	9.8 N/mm
	10	0.90	6.8	25%	2.5	24.5	
	15	1.00	10.5	25%	3.75	36.8	
	20	1.10	14.6	25%	5.0	49.0	
	25	1.10	17.9	25%	6.25	61.3	
	30	1.20	23.1	20%	6.0	58.8	
	35	1.20	27.3	20%	7.0	68.6	
	40	1.20	31.2	20%	8.0	78.5	
	45	1.30	34.8	20%	9.0	88.3	
	50	1.30	38.4	20%	10.0	98.1	
	60	1.30	44.2	15%	9.0	88.3	
	70	1.40	58.5	15%	10.5	103.0	
8	10	1.10	6.9	25%	2.5	24.5	9.8 N/mm
	15	1.20	9.9	25%	3.75	36.8	
	20	1.30	14.0	25%	5.0	49.0	
	25	1.30	14.5	25%	6.25	61.3	
	30	1.40	21.4	25%	7.5	73.5	
	35	1.40	22.0	25%	8.75	85.8	
	40	1.50	28.9	25%	10.0	98.1	
	45	1.50	32.6	20%	11.25	110.0	
10	10	1.30	7.2	25%	2.5	24.5	9.8 N/mm
	15	1.40	10.2	25%	3.75	36.8	
	20	1.50	13.9	25%	5.0	49.0	
	25	1.50	16.1	25%	6.25	61.3	
	30	1.60	20.4	25%	7.5	73.5	
	35	1.60	22.8	25%	8.75	85.8	
	40	1.70	27.2	25%	10.0	98.1	
	45	1.70	30.6	25%	11.25	110.0	
	50	1.80	36.5	25%	12.5	123.0	
	60	1.80	41.4	25%	15.0	147.0	
	70	1.90	50.8	25%	17.5	172.0	
12	15	1.50	9.4	25%	3.75	36.8	9.8 N/mm
	20	1.60	12.4	25%	5.0	49.0	
	25	1.70	16.2	25%	6.25	61.3	

※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.

Unit：mm

D	L	d	Solid height	Max. Compression L x %	Max. Compression F max.	Load N/max	Modulus ±10%
12	30	1.80	20.3	25%	7.5	73.5	9.8 N/mm
	35	1.90	25.2	25%	8.75	85.8	
	40	1.90	28.0	25%	10.0	98.1	
	45	2.00	32.5	25%	11.25	110.0	
	50	2.00	35.5	25%	12.5	123.0	
	60	2.10	43.6	25%	15.0	147.0	
	70	2.10	48.8	25%	17.5	172.0	
	80	2.20	58.5	25%	20.0	196.0	
13	15	1.80	9.5	25%	3.75	73.5	19.6 N/mm
	20	1.90	12.9	25%	5.0	98.1	
	25	2.00	17.0	25%	6.25	123.0	
	30	2.10	20.5	25%	7.5	147.0	
	35	2.20	24.8	25%	8.75	172.0	
	40	2.30	28.2	25%	10.0	196.0	
	45	2.30	32.2	25%	11.25	221.0	
	50	2.40	36.0	25%	12.5	245.0	
	60	2.50	44.4	20%	12.0	235.0	
	70	2.60	54.0	20%	14.0	275.0	
14	15	1.90	10.0	25%	3.75	73.5	19.6 N/mm
	20	2.00	13.5	25%	5.0	98.1	
	25	2.10	16.3	25%	6.25	123.0	
	30	2.30	21.3	25%	7.5	147.0	
	35	2.30	24.7	25%	8.75	172.0	
	40	2.40	28.2	25%	10.0	196.0	
	60	2.60	43.6	25%	15.0	294.0	
	80	2.70	61.4	20%	16.0	314.0	
16	15	2.00	10.0	25%	3.75	73.5	19.6 N/mm
	20	2.10	12.0	25%	5.0	98.1	
	25	2.30	17.3	25%	6.25	123.0	
	30	2.40	21.0	25%	7.5	147.0	
	35	2.50	24.4	25%	8.75	172.0	
	40	2.60	28.0	25%	10.0	196.0	
	45	2.70	31.7	25%	11.25	221.0	
	50	2.70	35.8	25%	12.5	245.0	
	60	2.90	43.5	25%	15.0	294.0	
	70	2.90	49.4	25%	17.5	343.0	
	80	3.00	59.3	25%	16.0	314.0	
20	25	2.90	16.7	25%	6.25	184.0	29.4 N/mm
	30	3.00	20.3	25%	7.5	221.0	
	35	3.00	22.7	25%	8.75	257.0	
	40	3.20	27.2	25%	10.0	294.0	
	45	3.20	29.6	20%	9.0	265.0	
	50	3.40	38.3	20%	10.0	294.0	
	60	3.50	44.6	20%	12.0	353.0	

Example： CC159-5-30-0.9
Length 30 (ex. Tensile 5mm) to load 25
Load=Modulus x Extension
24.5N=4.9N/mm x 5mm