21~30% Compression

CC158

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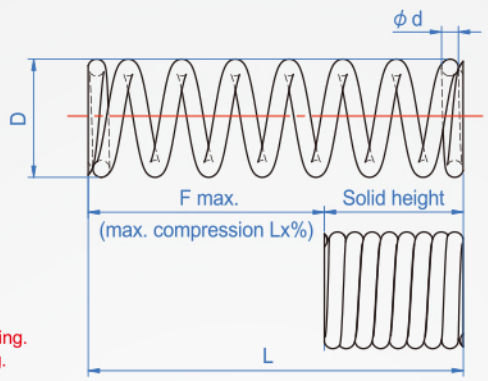

Material	Heat resistance	Curl direction
SUS-WP JIS G 4314	80°	Right

◆ 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

CC158 - 5 - 15 - 0.60
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	0.45	2.7	30%	1.5	4.4	2.94 N/mm
	10	0.50	3.8	30%	3	8.8	
	15	0.60	8.1	30%	4.5	13.2	
	20	0.65	11.7	30%	6	17.6	
	25	0.70	16.8	30%	7.5	22.1	
	30	0.70	16.8	30%	9	26.5	
5	5	0.55	3.3	30%	1.5	4.4	2.94 N/mm
	10	0.60	4.65	30%	3	8.8	
	15	0.60	4.65	30%	4.5	13.2	
	20	0.75	11.81	30%	6	17.6	
	25	0.75	11.81	30%	7.5	22.1	
	30	0.80	16.0	30%	9	26.5	
	35	0.85	21.68	30%	10.5	30.9	
	40	0.85	21.68	30%	12	35.3	
	45	0.90	28.8	30%	13.5	39.7	
6	5	0.65	3.2	30%	1.5	8.8	5.88 N/mm
	10	0.70	3.9	30%	3	17.7	
	15	0.85	7.7	30%	4.5	26.5	
	20	0.90	9.7	30%	6	35.3	
	25	1.00	15.5	30%	7.5	44.1	
	30	1.00	15.5	30%	9	53	
	35	1.10	24.8	28%	9.8	57.9	
	40	1.10	24.8	25%	10.0	58.8	
	45	1.10	24.8	25%	11.3	66.7	
	50	1.20	39.0	20%	10.0	58.8	
	60	1.20	39.0	23%	14.0	82.4	
	70	1.20	39.0	21%	15.0	88.3	
8	10	0.90	5.3	30%	3	17.7	5.88 N/mm
	15	0.90	5.3	30%	4.5	26.5	
	20	1.10	11.0	30%	6	35.3	
	25	1.10	11.0	30%	7.5	44.1	
	30	1.20	15.9	30%	9	53	
	35	1.20	15.9	30%	10.5	61.8	
	40	1.30	23.1	30%	12	70.6	
	45	1.30	23.1	30%	13.5	79.4	
	50	1.40	33.3	30%	15	88.3	
	60	1.40	33.3	30%	18	105.9	
	70	1.50	48.0	30%	19	111.8	
10	10	1.10	6.9	30%	3	17.7	5.88 N/mm
	15	1.10	6.9	30%	4.5	26.5	

Unit : mm

D	L	d	Solid height	Max. Compression L x %	Max. Compression F max.	Load N/max	Modulus ±10%
10	20	1.20	9.3	30%	6	35.3	5.88 N/mm
	25	1.20	9.3	30%	7.5	44.1	
	30	1.30	12.7	30%	9	53	
	35	1.40	17.5	30%	10.5	61.8	
	40	1.40	17.5	30%	12	70.6	
	45	1.50	23.8	30%	13.5	79.4	
	50	1.50	32.8	30%	15	88.3	
	60	1.60	32.4	30%	18	105.9	
	70	1.70	44.2	30%	21	123.6	
13	15	1.50	9.2	30%	4.5	44.1	9.8 N/mm
	20	1.50	9.2	30%	6	58.8	
	25	1.50	9.2	30%	7.5	73.5	
	30	1.80	18.0	30%	9	88.3	
	35	1.80	18.0	30%	10.5	103	
	40	1.80	18.0	30%	12	117.7	
	45	1.80	18.0	30%	13.5	132.4	
	50	2.00	28.5	30%	15	147	
	60	2.10	36.0	30%	18	176.5	
	70	2.20	45.1	30%	21	205.9	
16	15	1.70	9.6	30%	4.6	44.1	9.8 N/mm
	20	1.90	14.0	30%	6	58.8	
	25	1.90	14.0	30%	7.5	73.5	
	30	1.90	14.0	30%	9	88.3	
	35	1.90	14.0	30%	10.5	103	
	40	2.20	25.1	30%	12	117.7	
	45	2.20	25.1	30%	13.5	132.4	
	50	2.20	25.1	30%	15	147.1	
	60	2.30	30.5	30%	18	176.5	
	70	2.50	44.7	30%	21	205.9	
	80	2.50	44.7	30%	24	235.4	
20	25	2.30	13.8	30%	7.5	110.8	14.7 N/mm
	30	2.30	13.8	30%	9	132.4	
	35	2.50	18.8	30%	10.5	154.9	
	40	2.50	18.8	30%	12	176.5	
	45	2.80	29.4	30%	13.5	199.1	
	50	2.80	29.4	30%	15	220.6	
	60	3.00	40.5	30%	18	264.8	
	70	3.00	40.5	30%	21	308.9	
	80	3.20	54.4	30%	24	353	

※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：CC158-5-30-0.8
Length 30 (ex. Tensile 5mm) to load 25
Load=Modulus x Extension
14.7N=2.94N/mm x 5mm

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