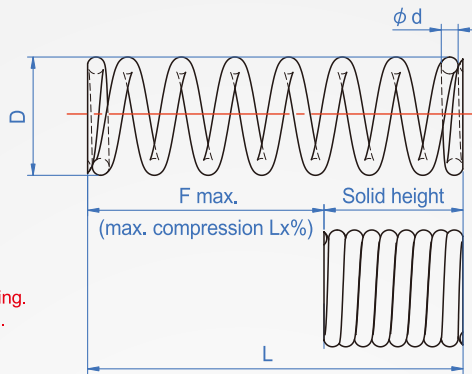


40% Compression

CB135

5/9

- ◆ D Tolerance : Below $\phi 16$ $\begin{matrix} +0 \\ -0.5\text{mm} \end{matrix}$
- ◆ L : 50以下 $\pm 1.5\text{mm}$
- ◆ End grinding : Wire diameter below $\phi 0.55$ No grinding.
Wire diameter above $\phi 0.6$ is grinding.
- ◆ Frequency of use : About 100 million times.



Material	Heat resistance	Curl direction
SWP Piano wire JIS G 3522	80°	Right



How to order



Unit : mm								
D	L	d	Solid height	max. compression L x %	F max.	Load N/max	Modulus $\pm 10\%$	
2	5	0.20	1.7	40%	2	0.98	0.5 N/mm	
	10	0.26	6.0	40%	4	2.00		
	15	0.26	6.0	40%	6	2.90		
	20	0.29	10.4	40%	8	3.90		
	25	0.29	10.4	40%	10	4.90		
	30	0.30	12.5	40%	12	5.90		
3	5	0.30	2.1	40%	2	2.0	1.0 N/mm	
	10	0.35	3.9	40%	4	3.9		
	15	0.40	7.6	40%	6	5.9		
	20	0.40	7.6	40%	8	7.8		
	25	0.45	13.6	40%	10	9.8		
	30	0.45	13.6	40%	12	11.8		
4	35	0.45	13.6	40%	14	13.7	1.0 N/mm	
	40	0.50	23.6	40%	16	15.7		
	5	0.35	2.1	40%	2	2.0		1.0 N/mm
	10	0.45	5.7	40%	4	3.9		
	15	0.45	5.7	40%	6	5.9		
	20	0.50	9.0	40%	8	7.8		
5	25	0.50	9.0	40%	10	9.8	1.0 N/mm	
	30	0.55	14.2	40%	12	11.8		
	35	0.55	14.2	40%	14	13.7		
	40	0.60	22.4	40%	16	15.7		
	45	0.60	22.4	40%	18	17.7		
	50	0.60	22.4	40%	20	19.6		
6	55	0.60	22.4	40%	22	21.6	1.0 N/mm	
	60	0.65	34.4	40%	24	23.5		
	5	0.40	2.3	40%	2	2.0		1.0 N/mm
	10	0.45	3.4	40%	4	3.9		
	15	0.50	5.0	40%	6	5.9		
	20	0.55	7.7	40%	8	7.8		
7	25	0.60	10.8	40%	10	9.8	1.0 N/mm	
	30	0.60	10.8	40%	12	11.8		
	35	0.65	16.1	40%	14	13.7		
	40	0.65	16.1	40%	16	15.7		
	45	0.70	23.6	40%	18	17.7		
	50	0.70	23.6	40%	20	19.6		
8	55	0.70	23.6	40%	22	21.6	1.0 N/mm	
	60	0.75	34.1	40%	24	23.5		
	65	0.75	34.1	40%	26	25.5		
	70	0.75	34.1	40%	28	27.5		
	75	0.75	34.1	40%	28	27.5		
	80	0.85	35.5	40%	32	31.4		
10	10	0.65	4.7	40%	4	3.9	1.0 N/mm	
	15	0.75	8.5	40%	6	5.9		
	20	0.75	8.5	40%	8	7.8		
	25	0.75	8.5	40%	10	9.8		
	30	0.80	11.2	40%	12	11.8		
	35	0.80	11.2	40%	14	13.7		
12	40	0.80	11.2	40%	16	15.7	1.0 N/mm	
	45	0.85	15.3	40%	18	17.7		
	50	0.85	15.3	40%	20	19.6		
	55	0.85	15.3	40%	22	21.6		
	60	0.90	19.4	40%	24	23.5		
	65	0.90	19.4	40%	26	25.5		
14	70	1.00	31.9	40%	28	27.5	1.0 N/mm	
	80	1.00	31.9	40%	32	31.4		
	10	0.75	5.3	40%	4	3.9		1.0 N/mm
	15	0.80	6.4	40%	6	5.9		

Unit : mm								
D	L	d	Solid height	max. compression L x %	F max.	Load N/max	Modulus $\pm 10\%$	
10	20	0.80	6.4	40%	8	7.8	1.0 N/mm	
	25	0.90	10.8	40%	10	9.8		
	30	0.90	10.8	40%	12	11.8		
	35	0.90	10.8	40%	14	13.7		
	40	0.90	10.8	40%	16	15.7		
	45	1.00	17.0	40%	18	17.7		
12	50	1.00	17.0	40%	20	19.6	1.0 N/mm	
	55	1.00	17.0	40%	22	21.6		
	60	1.00	17.0	40%	24	23.5		
	65	1.10	25.4	40%	26	25.5		
	70	1.10	25.4	40%	28	27.5		
	80	1.10	25.4	40%	32	31.4		
13	10	0.80	4.8	40%	4	3.9	1.0 N/mm	
	15	0.90	7.2	40%	6	5.9		
	20	0.90	7.2	40%	8	7.8		
	25	0.90	7.2	40%	10	9.8		
	30	1.00	10.5	40%	12	11.8		
	35	1.00	10.5	40%	14	13.7		
14	40	1.00	10.5	40%	16	15.7	1.0 N/mm	
	45	1.10	15.4	40%	19	17.7		
	50	1.10	15.4	40%	20	19.6		
	55	1.10	15.4	40%	22	21.6		
	60	1.20	22.8	40%	24	23.5		
	65	1.20	22.8	40%	26	25.5		
16	70	1.20	22.8	40%	28	27.5	1.0 N/mm	
	80	1.30	34.5	40%	32	31.4		
	15	1.10	11.0	40%	12	11.8		1.0 N/mm
	20	1.10	11.0	40%	14	13.7		
	25	1.10	11.0	40%	16	15.7		
	30	1.20	15.6	40%	18	17.7		
18	35	1.20	15.6	40%	20	19.6	1.0 N/mm	
	40	1.20	15.6	40%	22	21.6		
	45	1.20	15.6	40%	24	23.5		
	50	1.30	22.1	40%	26	25.5		
	55	1.30	22.1	40%	28	27.5		
	60	1.30	22.1	40%	32	31.4		
20	65	1.30	22.1	40%	32	31.4	1.0 N/mm	
	70	1.40	37.8	40%	36	35.3		
	15	1.1	8.2	40%	6	5.9		1.0 N/mm
	20	1.1	8.2	40%	8	7.8		
	25	1.2	10.0	40%	10	9.8		
	30	1.2	10.0	40%	12	11.8		
22	35	1.2	10.0	40%	14	13.7	1.0 N/mm	
	40	1.2	10.0	40%	16	15.7		
	45	1.4	21.0	40%	18	17.7		
	50	1.4	21.0	40%	20	19.6		
	55	1.4	21.0	40%	22	21.6		
	60	1.4	21.0	40%	24	23.5		
24	65	1.5	29.7	40%	26	25.5	1.0 N/mm	
	70	1.5	29.7	40%	28	27.5		
	80	1.5	29.7	40%	32	31.4		
	90	1.6	40.0	40%	36	35.3		

Example : CB135-5-30-0.6
 Length 30 (ex. Tensile 5mm) to load 25
 Load=Modulus x Extension
 5N=1N/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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