

45% Compression

CB134

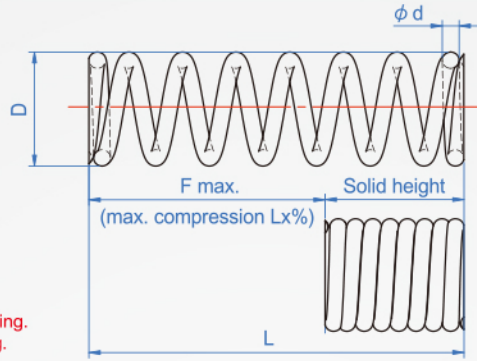
4/9

◆ 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 $\phi 0.75$ No grinding.
Wire diameter above $\phi 0.8$ 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

1 2 3
 CB134 - 4 - 20 - 0.40
TYPE D L d



1		2		3		Unit : mm	
D	L	d	Solid height	max. compression L x %	F max.	Load N/max	Modulus $\pm 10\%$
3	5	0.26	2.0	45%	2.25	1.1	0.5 N/mm
	10	0.32	5.0	45%	4.5	2.2	
	15	0.32	5.0	45%	6.7	3.2	
	20	0.35	7.0	45%	9.0	4.4	
	25	0.35	7.0	45%	11.2	5.5	
	30	0.40	13.2	45%	13.5	6.6	
	35	0.40	13.2	45%	15.7	7.6	
	40	0.40	13.2	45%	18.0	8.8	
4	5	0.32	2.3	45%	2.25	1.1	0.5 N/mm
	10	0.35	3.1	45%	4.5	2.2	
	15	0.40	5.6	45%	6.7	3.2	
	20	0.40	5.6	45%	9.0	4.4	
	25	0.45	9.9	45%	11.2	5.5	
	30	0.45	9.9	45%	13.5	6.6	
	35	0.50	16.5	45%	15.7	7.6	
	40	0.50	16.5	45%	18.0	8.85	
	45	0.50	16.5	45%	20.2	9.9	
	50	0.50	16.5	45%	22.5	11.0	
	55	0.50	16.5	45%	24.7	12.1	
	60	0.50	16.5	45%	27.0	13.2	
65	0.55	27.9	45%	29.2	14.3		
70	0.55	27.9	45%	31.5	15.4		
5	5	0.35	2.0	45%	2.25	1.1	0.5 N/mm
	10	0.38	3.4	45%	4.5	2.2	
	15	0.40	3.4	45%	6.7	3.2	
	20	0.45	5.4	45%	9.0	4.4	
	25	0.50	8.5	45%	11.2	5.5	
	30	0.55	13.2	45%	13.5	6.6	
	35	0.55	13.2	45%	15.7	7.6	
	40	0.55	13.2	45%	18.0	8.8	
	45	0.60	20.4	45%	20.2	9.9	
	50	0.60	20.4	45%	22.5	11.0	
	55	0.60	20.4	45%	24.7	12.1	
	60	0.60	20.4	45%	27.0	13.2	
65	0.60	20.4	45%	29.2	14.3		
70	0.60	20.4	45%	31.5	15.4		
6	5	0.40	2.3	45%	2.25	1.1	0.5 N/mm
	10	0.50	5.0	45%	4.5	2.2	
	15	0.55	8.0	45%	6.7	3.2	
	20	0.55	8.0	45%	9.0	4.4	
	25	0.60	12.0	45%	11.2	5.5	
	30	0.65	16.0	45%	13.5	6.6	
	35	0.65	17.0	45%	15.7	7.6	
	40	0.65	17.0	45%	18.0	8.8	
	45	0.65	17.0	45%	20.2	9.9	
	50	0.70	25.2	45%	22.5	11.0	
	55	0.70	25.2	45%	24.7	12.1	
	60	0.70	25.2	45%	27.0	13.2	
65	0.70	25.2	45%	29.2	14.3		
70	0.70	25.2	45%	31.5	15.4		
80	0.70	25.2	45%	36.0	17.7		
8	10	0.60	5.0	45%	4.5	2.2	0.5 N/mm
	15	0.65	7.5	45%	6.8	3.2	
	20	0.70	10.8	45%	9.0	4.4	
	25	0.70	10.8	45%	11.3	5.5	
	30	0.75	14.5	45%	13.5	6.6	
	35	0.75	14.5	45%	15.8	7.6	
	40	0.80	20.0	45%	18.0	8.8	
	45	0.80	20.0	45%	20.3	9.9	
	50	0.80	20.0	45%	22.5	11.0	
	55	0.80	20.0	45%	24.8	12.1	
	60	0.85	27.6	45%	27.0	13.2	
	65	0.85	27.6	45%	29.3	14.3	
70	0.85	27.6	45%	31.5	15.4		
80	0.85	27.6	45%	36.0	17.7		
10	10	0.65	5.0	45%	4.5	2.2	0.5 N/mm
	15	0.65	5.0	45%	6.8	3.2	
	20	0.80	10.4	45%	9.0	4.4	
	25	0.80	10.4	45%	11.3	5.5	

1		2		3		Unit : mm	
D	L	d	Solid height	max. compression L x %	F max.	Load N/max	Modulus $\pm 10\%$
10	30	0.85	14.0	45%	13.5	6.6	0.5 N/mm
	35	0.85	14.0	45%	15.8	7.6	
	40	0.90	17.5	45%	18.0	8.8	
	45	0.90	17.5	45%	20.3	9.9	
	50	0.90	17.5	45%	22.5	11.0	
	55	0.90	17.5	45%	24.8	12.1	
	60	1.00	31.0	45%	27.0	13.2	
	65	1.00	31.0	45%	29.3	14.3	
12	70	1.00	31.0	45%	31.5	15.4	
	80	1.00	31.0	45%	36.0	17.7	
	10	0.70	4.6	45%	4.5	2.2	
	15	0.70	4.6	45%	6.8	3.2	
	20	0.80	7.2	45%	9.0	4.4	
	25	0.80	7.2	45%	11.3	5.5	
	30	0.90	11.3	45%	13.5	6.6	
	35	0.90	11.3	45%	15.8	7.6	
	40	0.90	11.3	45%	18.0	8.8	
	45	0.90	11.3	45%	20.3	9.9	
	50	1.00	18.0	45%	22.5	11.0	
	55	1.00	18.0	45%	24.8	12.1	
60	1.00	18.0	45%	27.0	13.2		
65	1.00	18.0	45%	29.3	14.3		
70	1.10	28.1	45%	31.5	15.4		
80	1.10	27.5	45%	36.0	17.7		
13	10	0.75	4.9	45%	4.5	2.2	
	15	0.80	6.0	45%	6.8	3.2	
	20	0.80	6.0	45%	9.0	4.4	
	25	0.85	7.2	45%	11.3	5.5	
	30	1.00	15.0	45%	13.5	6.6	
	35	1.00	15.0	45%	15.8	7.6	
	40	1.00	15.0	45%	18.0	8.8	
	45	1.00	15.0	45%	20.3	9.9	
	50	1.00	15.0	45%	22.5	11.0	
	55	1.10	22.0	45%	24.8	12.1	
	60	1.10	22.0	45%	27.0	13.2	
	65	1.10	22.0	45%	29.3	14.3	
70	1.10	22.0	45%	31.5	15.4		
80	1.10	22.0	45%	36.0	17.7		
90	1.20	33.6	45%	40.5	19.8		
14	15	0.80	5.2	45%	6.8	3.2	
	20	0.90	7.9	45%	9.0	4.4	
	25	0.90	7.9	45%	11.3	5.5	
	30	1.00	12.0	45%	13.5	6.6	
	35	1.00	12.0	45%	15.8	7.6	
	40	1.00	12.0	45%	18.0	8.8	
	45	1.00	12.0	45%	20.3	9.9	
	50	1.10	18.2	45%	22.5	11.0	
	55	1.10	18.2	45%	24.8	12.1	
	60	1.10	18.2	45%	27.0	13.2	
	65	1.20	27.6	45%	29.3	14.3	
	70	1.20	27.6	45%	31.5	15.4	
80	1.20	27.6	45%	36.0	17.7		
90	1.30	39.7	45%	40.5	19.8		
16	15	0.90	6.3	45%	6.8	3.2	
	20	1.00	8.7	45%	9.0	4.4	
	25	1.00	8.7	45%	11.3	5.5	
	30	1.10	12.8	45%	13.5	6.6	
	35	1.10	12.8	45%	15.8	7.6	
	40	1.20	18.6	45%	18.0	8.8	
	45	1.20	18.6	45%	20.3	9.9	
	50	1.20	18.6	45%	22.5	11.0	
	55	1.20	18.6	45%	24.8	12.1	
	60	1.30	26.8	45%	27.0	13.2	
	65	1.30	26.8	45%	29.3	14.3	
	70	1.30	26.8	45%	31.5	15.4	
80	1.40	37.4	45%	36.0	17.7		
90	1.40	37.4	45%	40.5	19.8		

*Solid height is the reference value, there will be little difference in the production.

*Conversion : kgf=N x 0.102 *Load(N) = Modulus x Compression

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