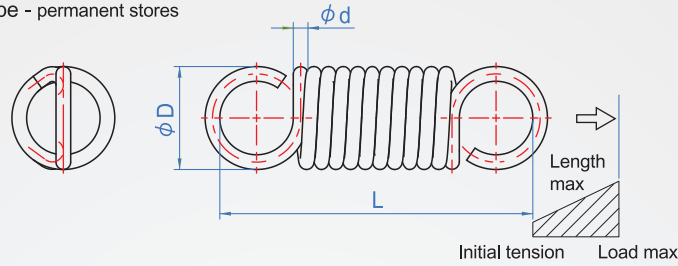


D 8、9、10
CA121



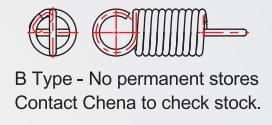
A type B type

A Type - permanent stores



- ◆D Tolerance value Minimum ±0.2mm
- ◆Modulus of elasticity tolerance value Effective curl 3~10 ±10%
Effective curl 10~ ±8%
- ◆Length tolerance value Minimum ±0.5mm (JIS 2)

Material	Curl Direction
SUS304-WPB	Right



How to order

CA121 - 9 - 35 - 0.9 - []
 TYPE D L d

Style
 A Type..... [blank]
 B Type..... [B]

L	D	8					9				10					Unit : mm	
		d	0.7	0.8	0.9	1	1.1	0.8	0.9	1	1.2	0.9	1	1.1	1.2		1.4
25	N	0.41	0.69	1.47	2.16	4.23	0.55	1.01	1.76	4.99	-	-	-	-	-	-	-
	Length max	18	15	10	9	6	20	15	12	6	-	-	-	-	-	-	-
30	N	0.28	0.49	1.03	1.57	2.94	0.36	0.64	1.15	2.99	0.65	0.98	1.87	2.45	5.58	10.89	
	Length max	27	21	14	12	8	31	24	18	11	13	12	10	10	7	5	
35	N	0.21	0.39	0.78	1.27	2.26	0.28	0.52	0.91	2.27	0.47	0.74	0.32	1.86	4.17	8.34	
	Length max	35	27	19	15	11	39	29	23	14	19	15	58	14	9	7	
40	N	0.17	0.31	0.62	0.98	1.86	0.21	0.38	0.68	1.83	0.36	0.57	1.03	1.47	3.39	6.77	
	Length max	44	34	24	20	13	52	40	31	17	24	20	18	17	11	8	
45	N	0.14	0.26	0.52	0.88	1.57	-	-	-	-	0.29	0.47	0.83	1.27	2.81	5.69	
	Length max	53	40	28	22	16	-	-	-	-	30	24	22	20	13	10	
50	N	0.12	0.23	0.45	0.78	1.32	0.15	0.28	0.49	1.31	0.25	0.39	0.71	0.98	2.39	4.9	
	Length max	62	45	33	25	19	73	54	43	24	35	29	26	26	15	12	
55	N	0.11	0.22	0.39	0.7	1.13	-	-	-	-	0.21	0.34	0.59	0.88	2.11	4.31	
	Length max	68	47	38	28	22	-	-	-	-	42	33	31	29	17	13	
60	N	0.093	0.2	0.35	0.6	1.03	0.12	0.22	0.39	1	0.19	0.3	0.52	0.78	1.86	3.73	
	Length max	80	53	42	33	24	94	70	53	32	47	37	36	31	19	15	
65	N	0.083	0.18	0.31	0.55	0.93	-	-	-	-	0.17	0.29	0.48	0.76	1.5	3.35	
	Length max	90	59	47	36	26	-	-	-	-	53	40	39	34	21	17	
70	N	0.078	0.16	0.29	0.5	0.88	0.09	0.17	0.3	0.82	0.15	0.26	0.43	0.67	1.57	2.95	
	Length max	96	65	51	39	28	122	90	70	39	58	43	43	38	23	19	
80	N	-	-	-	-	-	0.08	0.15	0.26	0.7	0.13	0.22	0.36	0.55	1.32	2.36	
	Length max	-	-	-	-	-	137	102	80	45	67	51	51	46	27	24	
100	N	-	-	-	-	-	-	-	-	-	0.09	0.16	0.27	0.43	0.79	1.96	
	Length max	-	-	-	-	-	-	-	-	-	97	70	69	59	46	29	
Initial tension (N)		1.08	2.35	3.92	4.9	6.86	1.31	2.17	3.38	8.18	2.06	3.73	4.71	5.49	12.75	20.59	
Load max (N)		8.53	12.75	18.63	24.52	31.38	12.3	17.4	24.3	39.8	10.8	15	23.24	30.99	49.03	77.47	

※Load formula : Modulus of Elasticity(N/mm)×Extension(mm)+Initial tension(N)
 ※Initial tension,the spring constant of the reference value.
 ※Calculation of maximum tensile formula : (Load max-Initial tension) ÷ Spring constant
 ※Force conversion formula : kgf=Nx0.102

Formula ex. : CA121-10-50-1.6-A
 Length 50 (ex. tensile 8mm) to load 58
 load =Modulus× Extension + Initial tension
 59.79N=4.9N/mm × 8mm + 20.59N

Kgf=Nx0.102

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