

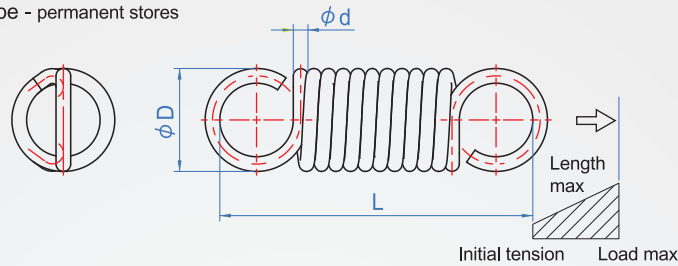
D 1.8、2、2.5、3、3.5、4

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



B Type - No permanent stores
Contact Chena to check stock.

How to order

CA121 - 2 - 10 - 0.2 -

TYPE D L d

Style
A Type.....
B Type.....

| L | D | Unit : mm | | | | | | | | | | | | | | | | |
|---------------------|------------|-----------|-------|------|------|------|-------|------|------|------|------|-------|-------|-------|------|------|------|------|
| | | 1.8 | 2 | 2.5 | | 3 | | | 3.5 | | | 4 | | 5 | | 6 | | |
| d | | 0.2 | 0.2 | 0.25 | 0.25 | 0.3 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.25 | 0.35 | 0.35 | 0.4 | 0.45 | 0.5 | 0.6 |
| 8 | N | 0.14 | 0.11 | 0.35 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Length max | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | N | 0.1 | 0.08 | 0.27 | 0.16 | 0.27 | 0.11 | 0.23 | 0.58 | 0.98 | 2.26 | 0.08 | 0.357 | - | - | - | - | - |
| | Length max | 10 | 7 | 6 | 9 | 10 | 10 | 9 | 5 | 4 | 2 | 13 | 7 | - | - | - | - | - |
| 15 | N | 0.055 | 0.05 | 0.15 | 0.07 | 0.17 | 0.05 | 0.12 | 0.3 | 0.59 | 1.08 | 0.035 | 0.16 | 0.14 | 0.26 | 0.51 | 0.78 | 2.16 |
| | Length max | 18 | 11 | 10 | 21 | 15 | 22 | 16 | 9 | 6 | 5 | 30 | 15 | 14 | 10 | 8 | 7 | 4 |
| 20 | N | - | 0.032 | 0.11 | 0.05 | 0.09 | 0.03 | 0.08 | 0.18 | 0.39 | 0.74 | 0.022 | 0.104 | 0.08 | 0.16 | 0.31 | 0.49 | 1.37 |
| | Length max | - | 18 | 14 | 30 | 29 | 37 | 25 | 15 | 9 | 7 | 47 | 23 | 25 | 17 | 12 | 11 | 6 |
| 25 | N | - | 0.025 | 0.08 | - | - | 0.024 | 0.06 | 0.14 | 0.29 | 0.54 | 0.016 | 0.077 | 0.06 | 0.12 | 0.23 | 0.39 | 0.98 |
| | Length max | - | 22 | 19 | - | - | 47 | 33 | 19 | 12 | 9 | 65 | 31 | 34 | 22 | 17 | 13 | 9 |
| 30 | N | - | 0.02 | 0.07 | - | - | 0.02 | 0.05 | 0.11 | 0.23 | 0.43 | 0.013 | 0.06 | 0.047 | 0.09 | 0.18 | 0.29 | 0.78 |
| | Length max | - | 28 | 22 | - | - | 56 | 39 | 24 | 15 | 11 | 80 | 40 | 43 | 29 | 21 | 18 | 11 |
| 35 | N | - | - | - | - | - | - | - | - | - | - | - | - | 0.04 | 0.08 | 0.15 | 0.26 | 0.69 |
| | Length max | - | - | - | - | - | - | - | - | - | - | - | - | 50 | 33 | 26 | 20 | 12 |
| 40 | N | - | - | - | - | - | - | - | - | - | - | - | - | 0.033 | 0.07 | 0.13 | 0.22 | 0.57 |
| | Length max | - | - | - | - | - | - | - | - | - | - | - | - | 61 | 38 | 29 | 24 | 15 |
| Initial tension (N) | | 0.14 | 0.13 | 0.34 | 0.18 | 0.43 | 0.15 | 0.29 | 0.66 | 0.88 | 1.57 | 0.09 | 0.33 | 0.25 | 0.59 | 0.98 | 1.18 | 2.55 |
| Load max (N) | | 1.13 | 0.69 | 1.86 | 1.68 | 3.05 | 1.27 | 2.25 | 3.33 | 4.41 | 6.47 | 1.13 | 2.75 | 2.26 | 3.24 | 4.81 | 6.37 | 11.1 |

※Load formula : Modulus of Elasticity(N/mm)xExtension(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. : CA121-3-20-0.4-A

Kgf=Nx0.102

Length 20 (ex. tensile 10mm) to load 30

load =Modulus× Extension+ Initial tension

1.09N=0.08N/mm × 10mm + 0.29N