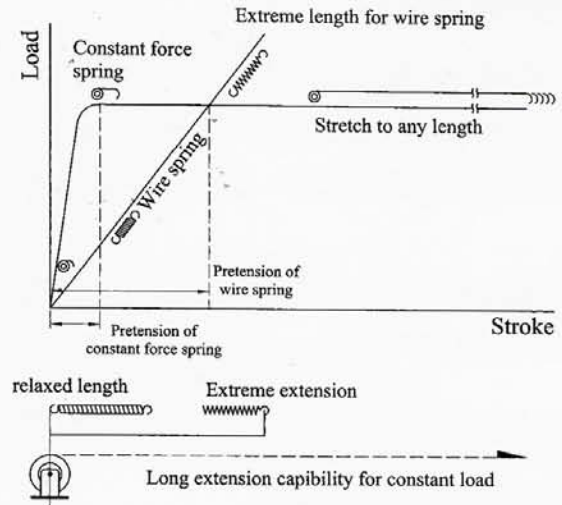


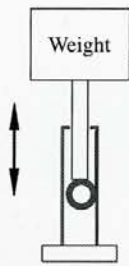
Constant Force Spring



Constant force spring is made by winding the steel stripe into a coil which exerts a nearly constant restraining force to resist uncoiling. By comparing the differences between constant force spring and traditional wire springs, the advantages are as following :

- 1.To exert nearly constant force during entire extension.
- 2.Short initial pretension, it means that can afford the rated load at short extension.
- 3.Long extension capability

Applications



High Adjustment



LCD monitor's height adjustment



Electrical fan's height adjustment



Horizontal Movement



Point-of-purchase displays

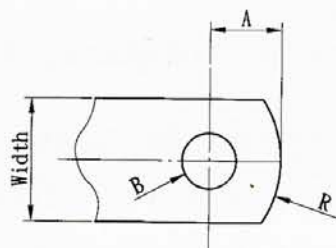
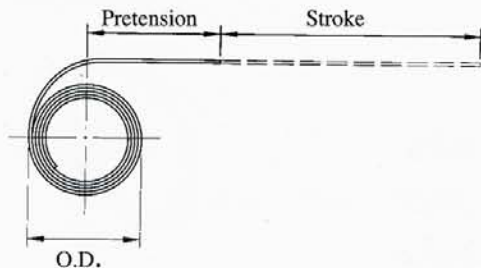


Pusher of Staple magazine

Stock List of Constant Force Spring

Material : SUS 301 Stainless Steel

| NO. | Width (mm) ±0.2 | Pretension (mm) | Stroke (mm) | O. D. (mm) ±0.4 | Load (kg) ±10% | End Configuration |
|---------------------|--------------------|--------------------|----------------|--------------------|-------------------|----------------------|
| Life : 4000 cycles | | | | | | |
| CF0380227 | 6.35 | 15.5 | 305 | 10.0 | 0.227 | S |
| CF0450340 | 7.9 | 19.0 | 381 | 12.7 | 0.340 | S |
| CF0550508 | 9.4 | 23.4 | 457 | 15.8 | 0.508 | S |
| CF0660735 | 12.7 | 26.9 | 533 | 19.0 | 0.735 | S |
| CF0761075 | 15.0 | 31.0 | 610 | 22.1 | 1.075 | B |
| CF0861588 | 17.3 | 38.9 | 686 | 25.4 | 1.588 | B |
| CF0962268 | 20.6 | 46.7 | 762 | 31.8 | 2.268 | B |
| CF1093175 | 25.4 | 54.4 | 838 | 38.1 | 3.175 | B |
| Life : 40000 cycles | | | | | | |
| CF0530113 | 9.4 | 51.6 | 305 | 34.5 | 0.113 | S |
| CF0630167 | 12.7 | 59.9 | 381 | 40.1 | 0.168 | S |
| CF0760227 | 15.0 | 69.1 | 457 | 46.0 | 0.227 | B |
| CF0910340 | 17.3 | 85.8 | 533 | 57.4 | 0.340 | B |
| CF1060508 | 20.6 | 103.4 | 610 | 68.8 | 0.508 | B |
| CF1210734 | 25.4 | 120.4 | 686 | 80.3 | 0.735 | B |

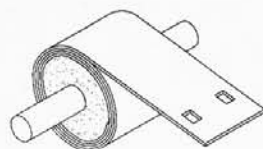


| Type | A | B | R |
|------|-----|-----|------|
| S | 9.5 | 3.3 | 12.7 |
| B | 9.5 | 4.7 | 22.2 |

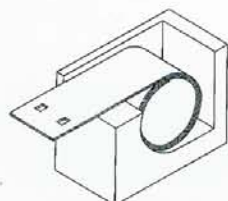
Mounting Method

Multiply the Load

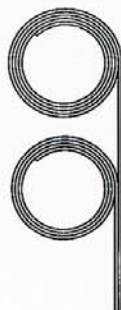
By multiplying the load, longer life and better load will be obtained in smaller space.



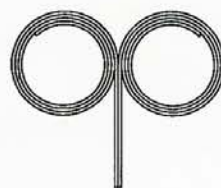
Drum Mounting



Cavity Mounting



Tandem



Back to back



Laminated