

ADVANEX PERFECTION

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Constant Force Springs

Our Approach

There are a number of different types of Constant Force Springs. More often than not they are made from steel strip.

The most familiar function of a flat strip constant force spring is the tape rule, which allows you to pull out the tape all the way and requires no more effort from start to finish.

Constant force flat strip springs are manufactured from either texture rolled carbon steel or high strength stainless steel, depending on the application.

Advanex have experience and knowledge of spring forming materials as diverse as stainless steel, precoated material, spring steel, titanium, nitronic, phosphor bronze and pre hardened materials.

Our engineering and design team can support our customers with the design and development of the optimum product and production solution for their application

Sometimes people confuse them with Power Springs (commonly called Clock Springs or Spiral Springs), which have a similar construction. Constant force springs are seen in many applications:-

- Seat belts
- Brush springs for motors
- Counterbalance for sash windows
- Cable retractors
- Timers
- Plus many more

Although sometimes expensive to produce, their functionality often outweighs the unit cost. They are currently seeing resurgence in children's toy applications as an environmental alternative to batteries.



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