

ADVANEX PERFECTION

Satisfaction plus network for a better world

[CONTACT US](#)

Torsion Springs

Our Approach

Advanex specialise in the design and production of Torsion Springs which can be used for a wide range of functional devices and products.

Torsion springs are ideal where there is a requirement for angular movement with the legs attached to other components, mouldings etc. Forces are applied to one of the spring legs.

The distance from the spring centre to the point of force application affects the amount of torque developed (torque = force applied x distance from centre)

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.

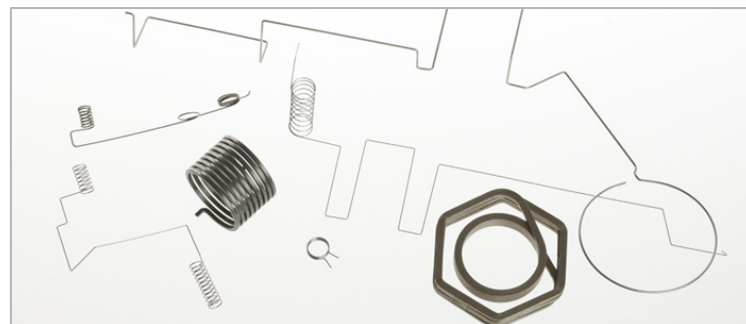
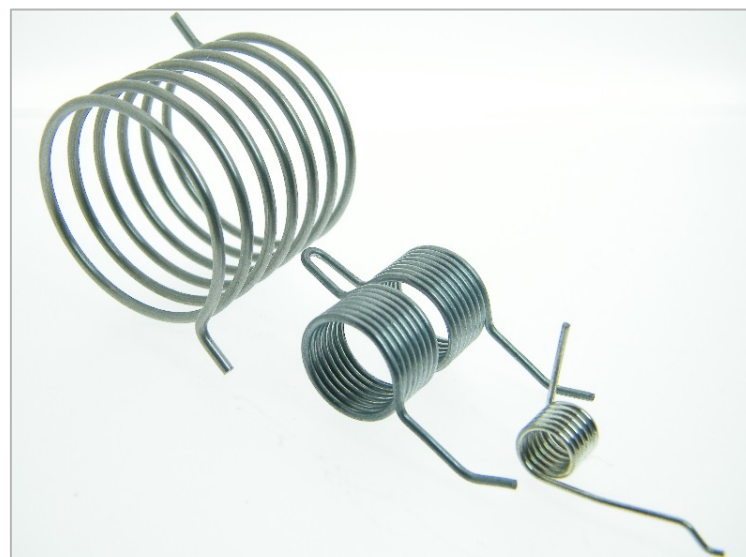
Our engineering and design team can support our customers with the design and development of the optimum product and production solution for their application

Produced in either round wire or rectangular section material the Torsion Spring is commonly found in applications which require an "open" or "close" function but they can be applied to a variety of products and applications.

Commonly Torsion Springs are designed to be close wound but can be produced with pitch between the coils to reduce friction. During coiling the spring can be produced in either clockwise and anti-clockwise forms and can work in tandem in certain applications.

Additionally they can be designed and manufactured as either single torsion, double torsion or multi-torsion forms to assist in your application.

With miniaturisation of electronic devices Advanex have taken a step ahead by producing micro torsion spring with wire diameters as small as 15 Microns and we are constantly looking to go even smaller.



Join our global partnerships

[CONTACT](#)