Torsion Spring

Torsion Springs resist external torque with angularly deflecting ends. Contrary to its name, the wire is subjected to bending stress and not Torsional stress. These are close wound springs. After deflection, the body length increases and coil diameter reduces.

Spring load and deflection largely depend on the type of end and installation. Every torsion spring will have two points of contact at the end and one at the arbour. While designing, the position of the contact points and their relative position should be made clear.

A great care must be taken while deciding spring ends as different types of ends and special end forming result in higher cost and frequent tool change.

IIS can manufacturer torsion springs with all types of ends and sizes.