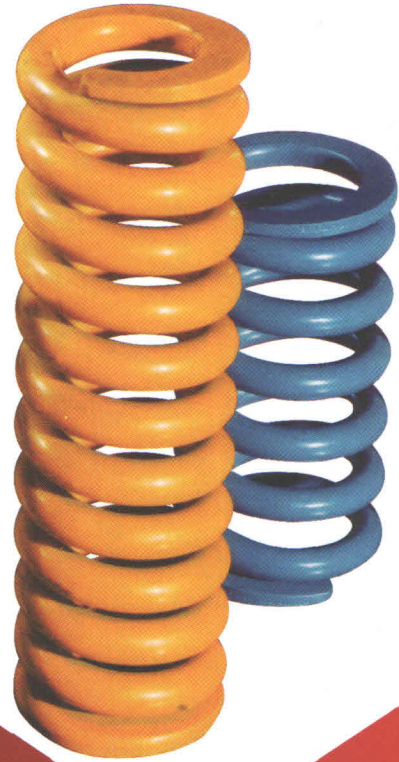


ADITYA INDUSTRIES

For Quality Assurance, Reliability & Consistency
A RENOWNED NAME IN COIL SPRINGS



MANUFACTURES OF COIL SPRINGS

HEAVY DUTY SPRINGS

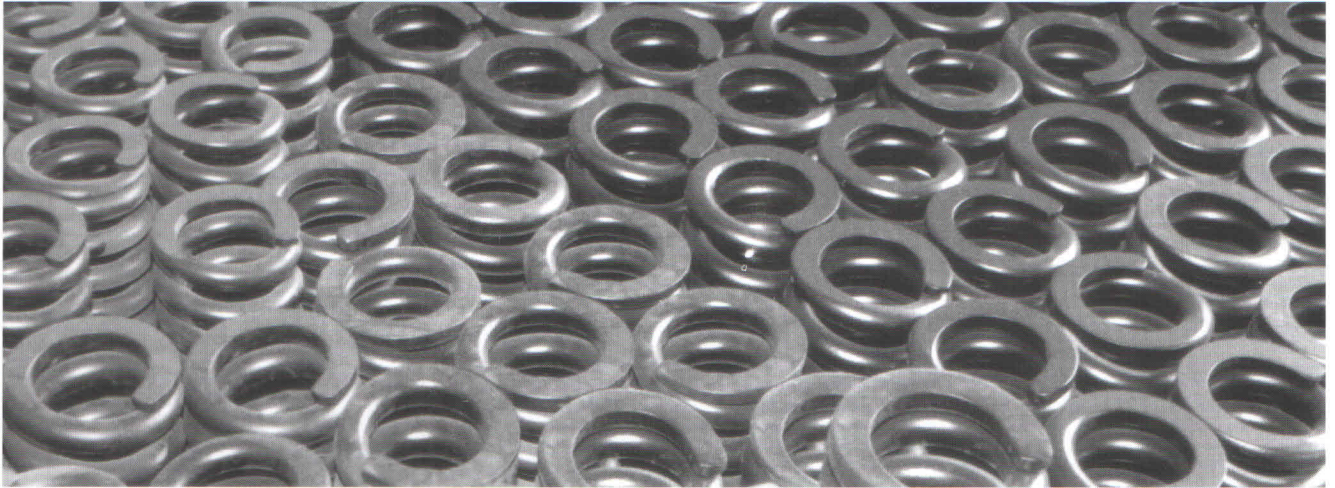
SHEET METAL COMPONENTS

RANGE 1MM TO 90MM DIA



ISO 9001:2008
Certified Company

| ABOUT US:



Aditya Industries is dedicated and experienced when it comes to springs, Industrial spring, Custom springs and metal stamping. Today Aditya Industries is privileged to be a multi-plant spring manufacturer with a full range of products and services for springs and stampings mfg. nationwide. We are a leading supplier to hundreds of internationally known original equipment manufacturers (OEM's).

We are specialized for manufacturing of Compression spring, Torsion Spring, Coil Spring, Die Spring, Extension Spring, and Spiral Spring etc. All this spring are manufactured as per client drawing and specification.



**BUFFER SPRING FOR
K110 & KC COMPRESSOR**

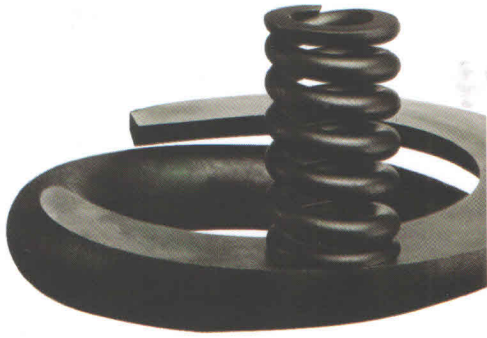


**SPRING FOR TIE BOLT
FOR HYDRAULIC CRANE**



**BUFFER SPRING FOR
ELEVATOR**

COIL SPRING:



Usually Coil Spring comes in Various Types, but the Three Common Types of Coil Springs are Compression Springs, Extension Springs and Torsion Springs. Space is defined as the operating envelope, the area in which Coil Springs will be used. In case of a Compression Spring, this may be the hole into which the spring fits, the rod over which it operates.

Coil Springs are designed to satisfy Four Operating requirements i.e. Energy, Space, Environment and Service.

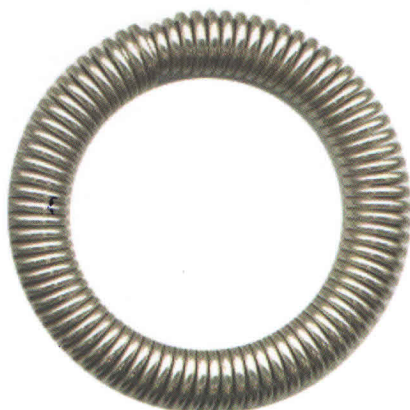
COMPRESSION SPRINGS:



A compression spring offers resistance to the axial compressive force. It is an open-coil (pitch) helical spring. They are generally coiled as constant diameter cylinder. Compression springs can manufacture of any size, length and dimension. The space allotted will decide the allowable solid height, inner diameter and outer diameter of compression springs.

Compression springs offer resistance to linear compressing forces (push), and are in fact one of the most efficient energy storage devices available. Compression Metal Springs are found in a wide variety of applications ranging from automotive engines and large stamping presses to major appliances and lawn mowers to medical devices, cell phones, electronics and sensitive instrumentation devices.

GARTER SPRING:



Garter Springs are helical coil springs whose ends are connected together to form a circular shape to provide a strong Radial Force. Compression garter springs exert outward radial forces, while extension garter springs exert inward radial forces.

Most of these springs are used in oil seals, shaft seals, belt-driven motors, and electrical connectors, etc. They can easily handle pressure, viscosity, and temperature changes and prevent contamination from water, dust, dirt, lubrication, and chemicals. They can be supplied pre-assembled into loops or in lengths – this is particularly useful for standard weights or a diameter, as it allows you to cut and assemble your garter springs as needed.

HEAVY DUTY SPRINGS:



Springs and fasteners are often vital parts of equipment operating in extreme conditions. Environments such as underwater or outdoors in intense temperatures rely on the durability of specialised machinery and components.

These spring products are designed to endure tough conditions experienced by industry sectors such as Aerospace, Power Stations and Nuclear Industries, Valve Manufacturing, Medical, Offshore and Sub-Sea Industries, Turbine Manufacture and General Engineering, where equipment is at risk of deterioration.

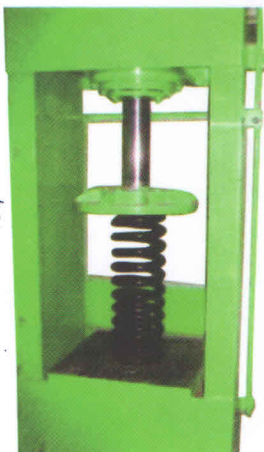
SPIRAL SPRINGS:



Spiral springs are also called the clockwork springs. These springs are mainly used in automobile, starter, clocks and watches industry. Surface treatment can be customized, for example: Silver / copper, nickel, chromium or spray, paint, zincs plated, black / blue.

Spiral spring is use when ever smaller space available and higher torque is required. Spiral Springs are used to prepare Window Regulators, Locks, DC Motors, Drill Machines, Seat Recliners

QUALITY CONTROL:



Since 2000, we have answered the needs of many manufacturers by providing high quality springs. Testing of our springs are done and a complete load test report is always available on request.

Our digital measuring instruments and Computerised, Digital and manual spring load testing machines of capacities varying from 0 to 60,000 kgf enable us to have complete control over the quality of springs. All our testing equipments are calibrated by external calibration agencies periodically.

We are approved by Quality Assurance departments of DGQA, DGS & D, BHEL, IBR, HAL, DRDL and many other Govt. Organisations and supplying springs regularly to them.

TENSION SPRINGS:



Tension Springs Also known as Extension Springs are helical wound Coil springs usually designed with hooks, loops or end coils. The main use of a Tension spring is to absorb or store energy along with creating a resistance to the pulling force, the spring gets stretched as the Load is applied to it.

Tension springs are attached at both ends to other components. When these components move apart, the spring tries to bring them together again. Tension springs absorb and store energy as well as create a resistance to a pulling force. It is initial tension that determines how tightly together an extension spring is coiled. This initial tension can be manipulated to achieve the load requirements of a particular application. Tension Springs are wound to oppose extension. They are often tightly wound in the no-load position and have hooks, eyes, or other interface geometry at the ends to attach to the components they connect. They are frequently used to provide return force to components that extend in the actuated position.

TORSION SPRINGS:



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.

The ends of torsion springs are attached to other components, and when those components rotate around the center of the spring, the spring tries to push them back to their original position. This type of torsion spring is normally close wound but can have pitch to reduce friction between the coils. They offer resistance to twist or rotationally applied force. Depending on the application, torsion springs can be designed to work in a clockwise or counter-clockwise rotation, thus determining the direction of the wind.

VARIETY OF SPRINGS:

- MASS TRANSIT SPRINGS • LOCOMOTIVE SPRINGS • REPLACEMENT SPRINGS • VIBRATION CONTROL SPRINGS • INDUSTRIAL SPRINGS • OEM SPRINGS • RIPLE COIL SPRINGS • DOUBLE COIL SPRINGS
- SINGLE COIL SPRINGS • RAILROAD SPRINGS • TRANSIT CAR SPRINGS • HELICAL STEEL SPRINGS
- TRUCK SPRINGS • BUFFER SPRINGS • SIDE BEARING SPRINGS • JOURNAL SPRINGS • SECONDARY SPRINGS • EQUALIZER SPRINGS • PRIMARY SPRINGS • PIPE HANGER SPRINGS • VALVE SPRINGS
- NUCLEAR VALVE SPRINGS • COAL CRUSHING SPRINGS • RAIL ROAD PASSENGER SPRINGS • SHOCK ABSORBER SPRINGS • SNOW PLOWING SPRINGS • ACTUATOR SPRINGS • SHAKER SPRINGS • MINING EQUIPMENT SPRINGS • DRAFT GEAR SPRINGS • BOGIE SPRING • PIPE SUPPORT SPRINGS • WAGON SPRINGS • BRAKE CHAMBER SPRINGS • CONDENSER SPRINGS • POWER GENERATOR SPRINGS
- CONVEYOR SPRINGS • AGRICULTURE EQUIPMENT SPRINGS • HEAVY DUTY COILED SPRINGS
- TRACTOR SPRINGS • LARGE COIL SPRINGS • COMPRESSION SPRINGS



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