

Volute Spring :



We are perfect in manufacturing, exporting and supplying all kinds of industrial springs including volute, bibby coupling. This product range is specially produced in the supervision of experts. Our products are world-class and successfully meet international quality standards. These volute, bibby coupling are available at budget-friendly prices to satisfy the customers.

Our experienced professionals begin manufacturing process after in-depth research on market requirements. They keep them updated with the latest equipments and techniques necessary for manufacturing excellent bibby couplings. They follow stringent quality norms to check each product before the final delivery.



Leaf Spring :



We are specialized in manufacturing, exporting and supplying laminated leaf springs throughout the world. Our springs are best in quality and have high demand especially in automotive industries. Quality and customer oriented products are offered according to needs and requirements of customers.

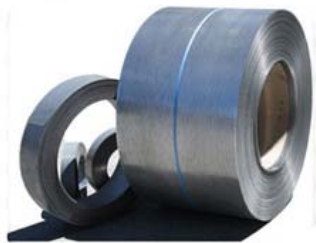
Highly reliable laminated leaf springs are compelling customers worldwide to own it. At our state-of-the-art manufacturing unit, different types of Laminated Leaf Springs are designed and developed under the supervision of experts. They start manufacturing process after thorough research on market that enables us to keep pace with the latest market demands.



Tension Spring



Rolls Metal :



Rolls Sheet Metal :

Plate Spring :



Crusher Spring :



Disk Spring Washer :

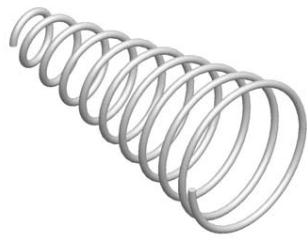
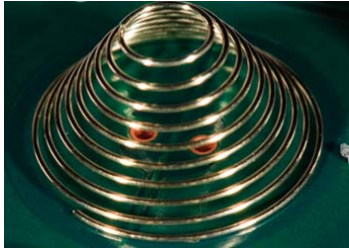
We are one of the leading manufacturers of this spring, which is used in a variety of applications where high spring loads are required. These springs are particularly used where vibration, differential thermal expansion, relaxation, and bolt creep are problems. High quality products are machined by qualified and experienced professionals to meet international quality standards.



All Laminated Leaf Springs are passed through stringent quality check procedure prior to final dispatch. It enables us to maintain international quality standards in every product to be supplied in the market. Keeping our clients' preference at front, these springs are also provided in customized options in accordance with their requirements.



Conical Spring :



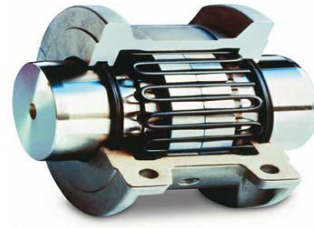
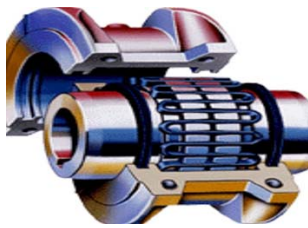
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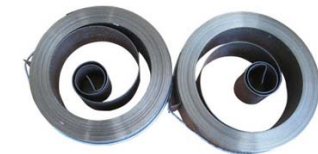
Clutch Plate Springs :



Bibby Coupling :



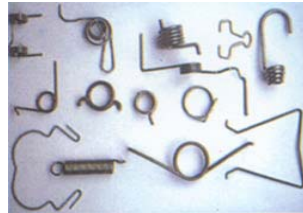
Spiral Spring :



Helical Springs :

- Materials used and method of manufacture are in accordance with International and National standards.
- We have successfully passed the 10 years journey in this field initially manufacturing small precision spring for electronic & electrical industry and now for automobile industry & heavy engineering industry.

- Right from the beginning we have concentrated hard on cost effectiveness by way of automising the operation / system, simplifying the process and achieving higher quality standards / consistency in manufacturing.

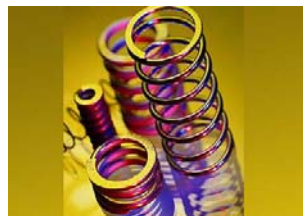


Compression :



NEW PIONEER SPRING COMPANY manufactures, exports, and supplies a wide range of compression springs for all applications, including stock and custom springs in a complete assortment of materials. Our range of superior compression springs has received positive response from the customers across the world.

These products are highly reliable, durable and available at very economical prices. It is our uncompromising nature for quality and strong belief in customers' satisfaction that have led us to reputed position in this business. Owing to our quality products, we have earned a large customer base throughout India within a short span of time.



Torsion Spring :



Gride Spring :



Flat Section Spring Washer :



Door Locks Spring :



Thread Inserts

Standard (Free Running) Inserts



This is the insert that permanently protects threads against wear, stripping, corrosion, galling, seizing, vibration and shock.

Made of (18-8) Austenitic Stainless Steel wire, cold rolled into a diamond shaped cross-section, this Insert conforms to standard commercial and industrial thread forms.

Screw Lock Inserts

This Screw-Lock one-piece insert provides all the thread protection of the Standard (Free Running) Thread Insert, PLUS an exclusive internal locking feature that eliminates the need of clumsy protruding lock-nuts, lock-wiring and other supplementary locking devices. Further it saves cost, space and weight, and permits simplified streamlined design.

The insert is a permanently integrated part of the component permitting repeated service repair disassembly and reassembly, with locking action remaining unchanged.

Screw Thread Inserts - Size Ranges

Screw Thread Inserts are made of 18-8 Stainless Steel and are manufactured for the following size ranges–

- Metric Series – M2 to M39



- UNC Series - #4-40 UNC to 1.1/2-6 UNC
- UNF Series - #10-32 UNF to 1.1/2-12 UNF
- BSW Series – 1/8-40 BSW to 1.1/2-6 BSW
- BSF Series – 3/16-32 BSF to 1.1/2-8 BSF
- BA Series – 6BA to 0BA
- BSP Series – 1/8-28 BSP to 1-11 BSP

Thread Insert Taps

Taps are available in three different styles which can be used individually or in combinations depending on the application.

1. **Roughing Taps** - Provides full diameter thread and has 5 taper leads.
2. **Finishing (Plug) Taps** - Provides full diameter thread and has 3½ taper leads. Finishing taps are the most commonly used taps for tapping through holes.
3. **Bottoming Taps** - Provides full diameter thread to the bottom of blind holes since tap has only 1½ lead threads.



Thread Gauges



Thread Plug Gauges are used to check the accuracy of the tapped hole produced by Taps. Since the final fitment of the Insert is highly dependant on the tapped hole, a Gauge ensures and checks the tapped hole accuracy before a Insert is fitted.

GO-NOGO Thread Plug Gauges are available on request for all thread sizes/series and are provided with calibration certificates traceable to national standards.

Inserting Tools

Prewinder Inserting Tools

Prewinder Inserting Tools are used for Screw Thread Insert installation. These inserting tools are suitable for both Standard (free running) and Screw Lock Inserts.



To use Prewinder Type Inserting Tool, retract mandrel and place insert in chamber with tang end towards threaded tip.

Advance the mandrel until slot fully engages the insert tang. Rotate and advance the mandrel until the mandrel protrudes 1 mm from the tip.

Hold tool firmly and squarely against work and install insert into tapped hole by rotating mandrel at a slow, uniform rate, until the top coil of the insert is 1/4 to 1/2 turn below top surface of hole.

Tang Break Off Tools

Manual Tang Break Tools

These are used for breaking-off the tang in a Screw Thread Insert after installation of the same in a tapped hole. This is easily accomplished by placing the punch of the Tang Break-off Tool into the installed insert and resting tool squarely on the insert tang. Striking the top of the tool with a hammer, using a sharp blow breaks off the tang.

Semi-Automatic Tang Break Tools

This Tool has a spring loaded sleeve which actuates the punch causing it to strike a uniform blow against the tang in the assembled insert. The operation of this tool is single handed (as against manual tang break-off tool requiring both hands) and excludes the use of a hammer. These are suitable for inserts ranging from M2 to M10 or equivalent inch sizes.



Extracting Tools

In rare instances, inserts are installed too deep, cross-threaded or otherwise improperly inserted. Such inserts are readily removed with Extracting Tools which are available in four sizes to fit all sizes of inserts.

For extraction, follow the simple steps below –

- Place the blade of the extracting tool on the top coil of the insert
- Hit the top of the tool with a hammer, causing the blade to bite into the insert
- Push down on the tool and rotate counter-clockwise to back the insert out of the hole

