

PRAJAY
STEEL

Delivering Strength, Durability and Excellence



ABOUT COMPANY

Prajay Steel was Established in the year 2007 with vision motto "Committed towards Quality". Started with small fabrication unit and gradually has taken shape of well-established manufacturing unit by continual improvement and developments in sales & service.

The company is into wire & cable industry, which is a fast growing industry in the present market and has long future to come. At present we are one of the largest & leading company in India and some parts of the world in the field of manufacturing reels & drums for wire & cable industry.

The company has developed logistic (transport) business for lifting and supplying drums along with Repair and Servicing the drums also. The drums we manufacture are of the best quality with the optimal accuracy which is the main plus point and thus making our products compatible in the national & international markets. We also have qualified engineers and well experience workers in the factory.

The company has good customer base which is growing day by day as a result of which Prajay Steel has customers all over India and some of them are abroad.



Dispatch Steel Drum

Our steel drums are carefully designed in different sizes and dimensions as per the clients' requirements and specifications. Our team of engineers uses superior quality raw material to manufacture these durable and long lasting dispatch steel drums. These drums are used as packaging material for heavy power cables and are also used in power transmission by different companies.

- | Structural steel flange members
- | Large diameter drum to accommodate cable bend radius
- | Wood lagging opening for cable protection
- | Drum with added reinforcements
- | Specified lifting points, or rim lifting, lifting beams designed and manufactured to suit
- | Inner faces of flanges lined with steel or stainless steel sheet for complete surface coverage.
- | Reel ideal for HV cabling
- | Folded steel flange skin
- | Lighter weight yet sturdy flange construction
- | Semi-smooth inner flange
- | Structural steel flange reinforced reel
- | High strength and durable reel
- | Flat bar or I-Beam flange perimeter

Advantages of Collapsible Steel Reel

Easy and Quick assembling & dismantling:

Steel reels are collapsible and can be assembled with draw bolts. The various segments of the steel reels can be assembled, anywhere, quickly and easily without any trouble. This feature provides ease of operation and helps drastically in reducing expensive hired labor.

Reduced transportation & storage costs:

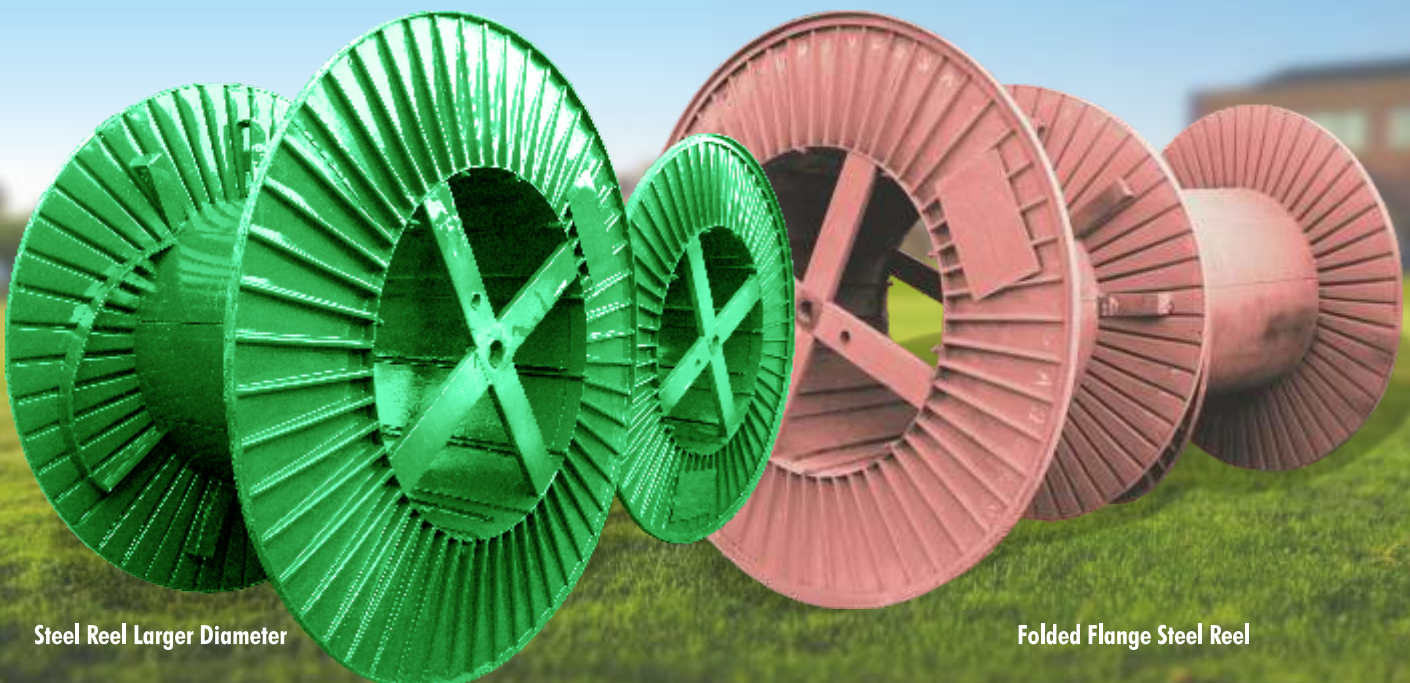
Unlike wooden reels, the transportation of steel reel is easier and much more economical. Once the reels are dismantled, the different segment can be loaded on the vehicle easily. And since they are about 40% lighter than wooden reels, more number of reels can be transported, thus reducing the transportation costs to a great extent. It also practically eliminates storage costs. This is because the different part of the reel can be stocked up together, without occupying too much space.

Greater protection & stronger finishing:

Perfectly concentric metal spool, with its smooth flange, makes easier to attach the end of the cable and ensure rapid and uniform winding of delicate cables without any danger of the cable getting caught up with the flanges. The high lateral strength due to the folded steel segments, gives it greater impact strength thus ensuring complete protection of the cable. Its high resistance to cyclic weathering gives it longevity to reels. This leads to reduction in running costs which are common when wooden reels are used.

Reusable, easy & fast battening:

Strong structure of the collapsible steel reels make them highly dependable, thus increasing their reusability. This reduces the frequency of repeat purchases to a large extent, thus increasing saving. The battening can also be done, easily, within a few minutes and time can be saved even in packaging of the reels.

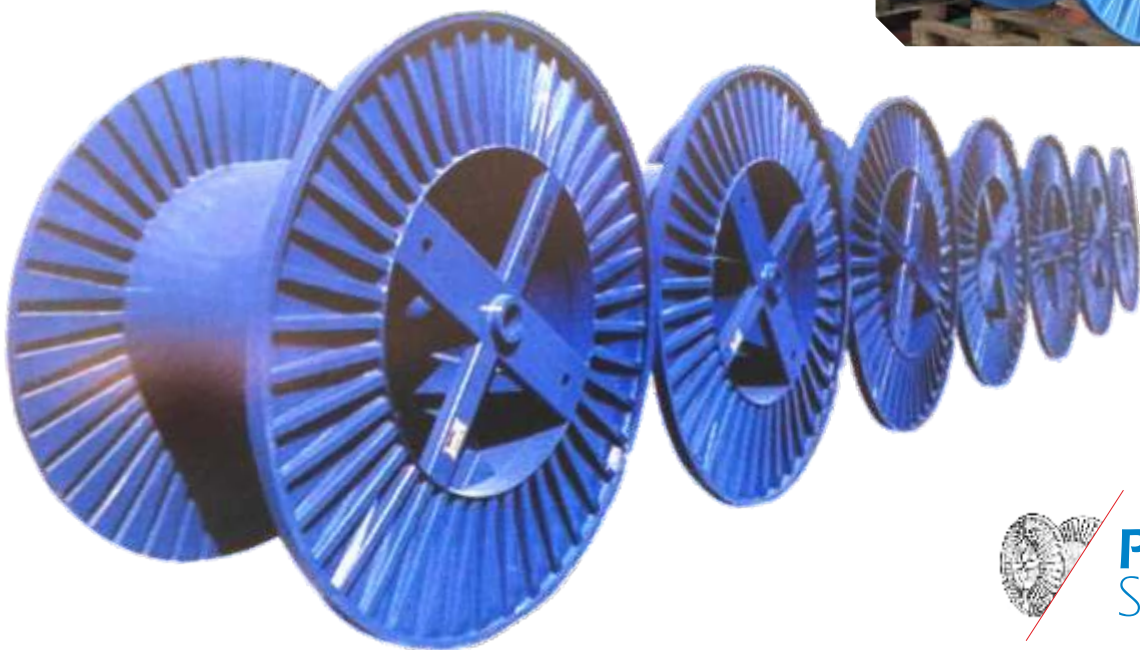


Steel Reel Larger Diameter

Folded Flange Steel Reel

Corrugated Process Drum

Drum for cable, rope and strand.
Dimensions are according to customers specifications.



Process Steel Drum

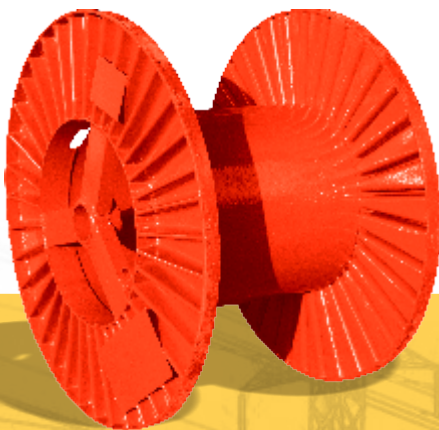
We design and develop a wide range of process steel drums that are durable in quality and long lasting. Our team of engineers has made these products from superior quality steel that is tried and tested at our quality testing unit for its features. These process steel drums are used as packaging material for heavy power cables.

- Leading provider of a complete range of Steel Reel under one roof
- Offering custom made products to a range of industries
- Seamless product construction that is built to last
- Products assembly through semi-automatic machinery
- Static and dynamic balancing to ensure product longevity
- Light weight yet robust finish
- Ideal for usage in cabling machinery and extrusion machinery
- In-house design and assembly

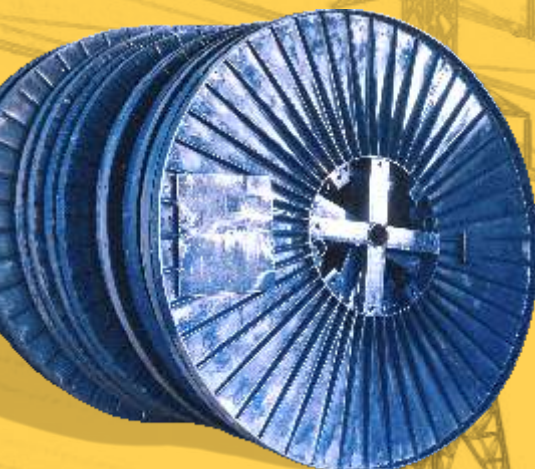
Standard or customized finishing as per Client Requirements



Fabricated Steel Reel



Structural Steel Spoke Reels



Balancing

The balancing of rotating bodies is important to avoid vibration. In heavy industrial machines such as gas turbines and electric generators, vibration can cause catastrophic failure, as well as noise and discomfort. In the case of steel drums, balancing simply involves moving the centre of gravity to the centre of rotation. For a system to be in complete balance both force and couple polygons should be closed.

Vibration free of all rotating systems is also an increasingly essential requirement of industry today. A principle cause of vibrations is rotor unbalance. Such dynamic unbalance is due to uneven mass distribution in rotor with respect to its geometric axis of rotation. Centrifugal forces produced by unbalance in rotor cause stresses and vibration leading to atrophic failures. Dynamic Balancing reduces these forces so as to bring them within permissible levels, thereby ensuring smooth running of the rotors.

Prajay Steel has acquired state of the art DIGITAL MICROPROCESSOR /PC BASED Dynamic Balancing Machine along with a crane to make all its steel reels with as much zero unbalance as possible. Prajay also has dedicated unit and skilled staff for Steel Drum/Reel Balancing.





+ repair



↻ reuse



♻ recycle

Prajay has always been a part of the Green Initiative to reduce cutting trees and against the usage of natural environment. We strongly believe in repair, reuse and recycling. We use steel instead of wood to manufacture drums/reels for cable packaging. We are not just earth friendly but we also want to preserve it and most importantly grow trees as many as possible.

We have a two dedicated units(works) for repairing, servicing and reusing of steel reels/drums. One is located very close to our manufacturing unit at Nadiad in Gujarat. The second repairing unit is based in Silvassa which is very close to most of our buyers as their factories are based there. It becomes logistically also much easier to repair drums and send them back to our buyers as quickly as possible. Thus saving time and delivering as per required.

Prajay Steel has a very helpful reel/drum reuse programme for cable/conductor industries. We have dedicated staff and labour to repair existing inventory of our reel/drum buyers and transport it back to their works hassle free. Also, Prajay can manufacture new steel cable drums which when used can be transported back to our works for repair and supplied back for reuse again and again to cut costs of our buyers. The whole process would not only save time but also cut costs and we can contribute together towards the green initiative.

Prajay Steel is the only player in the cable packaging industry to provide a complete solution to its buyers which would include the product, its reuse/repair and logistics.

TRANSPORT

Roads and Highways generally termed as pathways have been used by humans to travel since 10,000BC. Oldest known road was constructed in Egypt between 2600-2200BC while stone paved streets have been found dating back to 4000BC in England and the Middle East.

India has the second largest road system in the world with around five million kms of road around the country thus essentially very dependent on its road network and hence could be termed as a transport based economy.

Prajay Steel has its own comprehensive fleet of trucks and drivers at its disposal for supplying steel drums/reels to its buyers. Thus enabling the company to transport its finished goods with a in-house logistical support.

Prajay Steel also gives a complete solution to its buyers to lift and deliver drums of its buyers from various sites across the country back to the buyers works or manufacturing site. With the help of its own transport, Prajay reduces the buyers responsibility to get their own drums back to base without any hassle.

This kind of complete solution with drum manufacturing, buy back, transportation from any part of india and repair is provided by Prajay Steel to its buyers.

And Hence, Prajay Steel initiated to add another feather of transportation /logistics business into its portfolio.



All Prajay Products are made from steel and do not use wood in any form. It is the company's way to contribute to conservation of mother nature.



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