

SELECTION OF MATERIALS

Square and rectangular pipes are extensively used in welded steel frames which experience heavy loads from multiple directions. The shape of pipes suits multiple axis loading with having uniform geometry along with two or more cross section axes. This enhances the uniform strength of these pipes, making them a better choice of columns. These are manufactured through the process where flat steel plate is slowly changed in shape to achieve round where the edges are presented to weld. Then the edges are welded together to form the master tube. This master tube which is also referred as mother tube goes through a sequence of shaping stands, which form the final square or rectangular shape.

The square sections enhance the reliability of the structure. These are manufactured using graded steel in compliance with set international standards. The square sections are used as support in automotive industry, transmission tower plants, machinery industry, construction industry and many others. These sections are made using high grade steel metal in compliance with international standards. The square section holds superb tensile strength and is rust resistant with ability to offer long working life. The sections are tested on various parameters, which are tensile, bending, flattening and other strengths.

Features of the tube

- Supreme resistance to torsion.
- High impact strength
- Corrosion resistant
- Easier to transport.
- Good weld ability.
- Supreme tensile strength.
- Dimensional accuracy.

Applications

- Construction industry.
- Machinery manufacturing industry.
- Storage system
- Transmission towers
- Automotive industry.

COMPONANTS

- 1) Tube
- 2) Motor
- 3) Wire rope
- 4) Bearing
- 5) roller
- 6) Castrol wheels
- 7) Wire
- 8) switch
- 9) Fasteners
- 10) gripper



