

FRIENDS FAST- STEEL

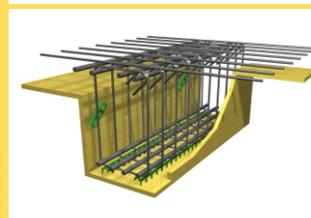
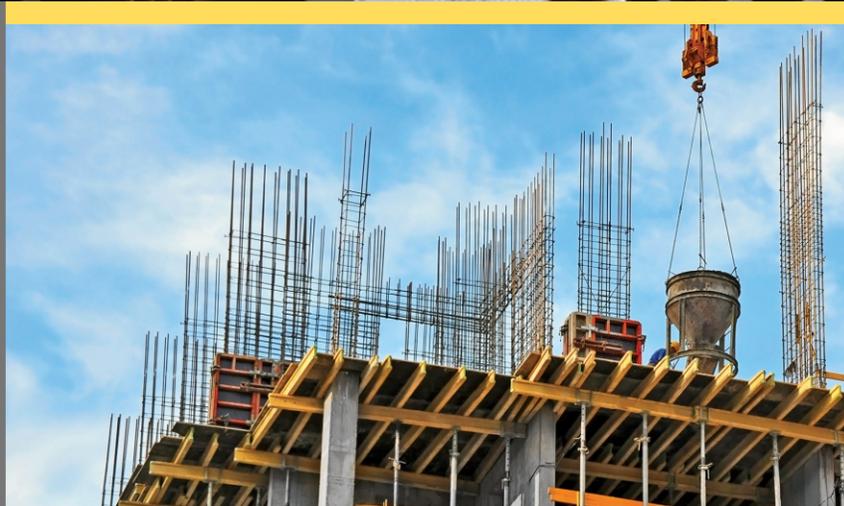
(CUT & BEND)



जमाने के लिए, जमाने के साथ ।



the ideal Choice of construction





Introduction

“Friends Steel” Group is promoted by a group of experts and experienced veterans with proven track record that gives it a special edge to satisfy knowledgeable and demanding customers.

The group caters to consumer needs in Structural Steel i.e

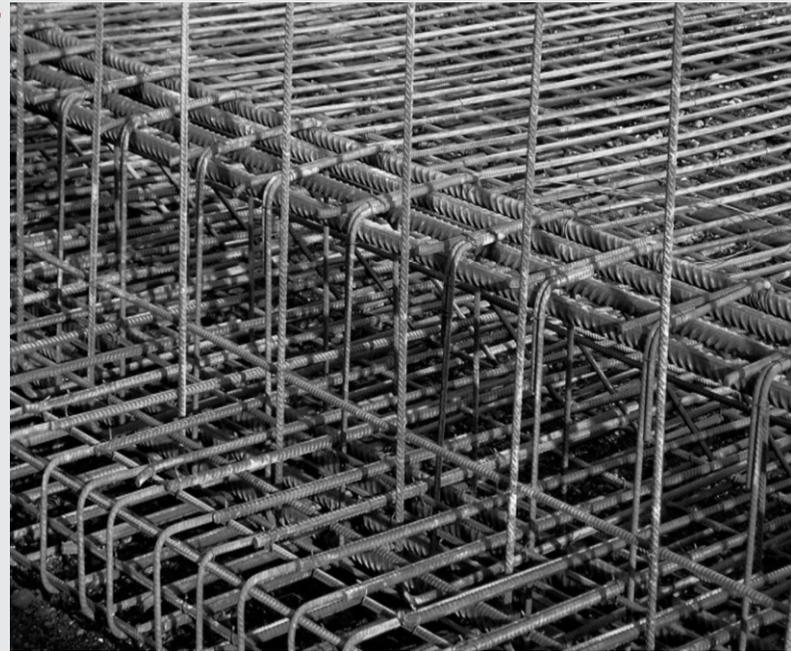
Angles, Flats, Rounds, Squares, Sections, ERW Pipes (Black & Galvanized), Binding wire and Reinforcement Steel (TMT) Bars.

The group aims to be one-stop shop for all infrastructure & construction needs on consumer by diversifying into different verticals. It is targeting aggressive expansion to build Pan- India presence. “Friends Steel” is known for its unmatched top-notch quality, superior customer service and being ahead of the industry.

What is FRIENDS FAST-STEEL?

The cut and bend structures required in construction often use rebars of different size and shapes. Often cutting & bending of the rebars is done at the construction site by the unskilled labors. Since it is manually done by the laborers hence there are high chances of inaccuracies & inefficiencies in the system. There are many other challenges that are faced by different stakeholders during construction process that includes timely availability of material, skilled labor shortages, wastages, scrap disposal etc.

Cut and bend service under Friends steel aims at providing customised shapes of rebars needed at the construction sites.



Benefits of Friends Fast-Steel

ZERO Wastages

Since cutting & bending process will done at Friends Steel Plant, hence the wastages at the site becomes zero and we take care of all the generated wastages.

Reduce Labour Cost

Labour Cost is reduced as the entire cut and bend process is limited to ordering the material according to blueprints.

Ties with end bent at 135 degrees

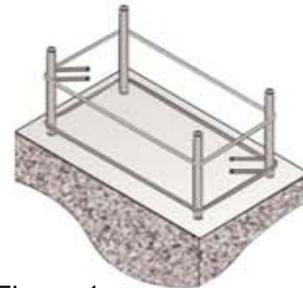


Figure 1: Steel reinforcement in columns – closed ties at close spacing improve the performance of columns under starting shaking of ground



Figure 2: Steel reinforcement in seismic columns ties with 135 degree hooks

Better Quality Construction

Friends Steel Cut & Bend Rebars are Fabricated to IS Standards. Friends Rebars are specially suited for construction in earthquake prone zones as the rebars can be bent to exactly 135 degrees. It is perfect Angle to counter earthquake.

Better Time Management

Cut & Bend Material is delivered on an "On Time in Full" policy; i.e. it will be delivered within 7 to 15 days after finalisation of the design thereby significantly reducing pressure at the project manager's end to adhere to deadlines. This not only reduces the amount of space you need to utilise for keeping rebars, it also helps you in saving costs associated with wastage and labour.

No misplacing of materials

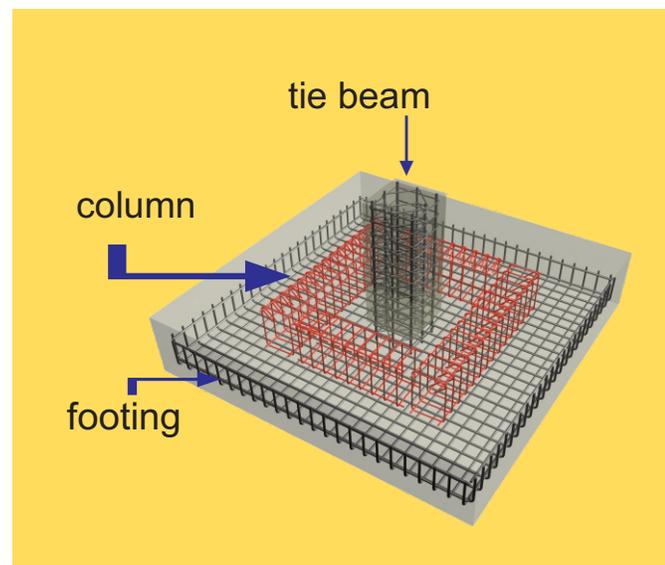
Cut & Bend Rebars can be easily managed and its different shapes can be easily recognised with the use of identification tags.

Freedom in Design

The machines use to make Cut & Bend TMT can transform any Friends Steel Rebar into a shape you envision. You can now have the freedom to design complex columns, pillars, ceilings being worry free on the rebar to be used.

Lower Working Capital

Cut & Bend brings with it a design suited to the project requirements thereby reducing the cost involved in cutting and bending by the labourers. Readybuild also keeps your inventory costs to a minimum owing to the "On time in Full" delivery policy so that you save on real estate and overhead associated with wastage.



Friends Footing

Footings are the only and only mode of transfer of building load to underneath soil. Footings, once laid, are a part of substructure and can't be repaired or changed in entire life span of the building To minimise the fabrication mistakes at site, as well as to speed up the construction, and more importantly, to relieve from unnecessary hassles.



1.3Meter - 4' x 4' Footing



1.45 Meter - 4.5' x 4.5' Footing



1.6 Meter - 5' x 5' Footing



1.9Meter - 6' x 6' Footing



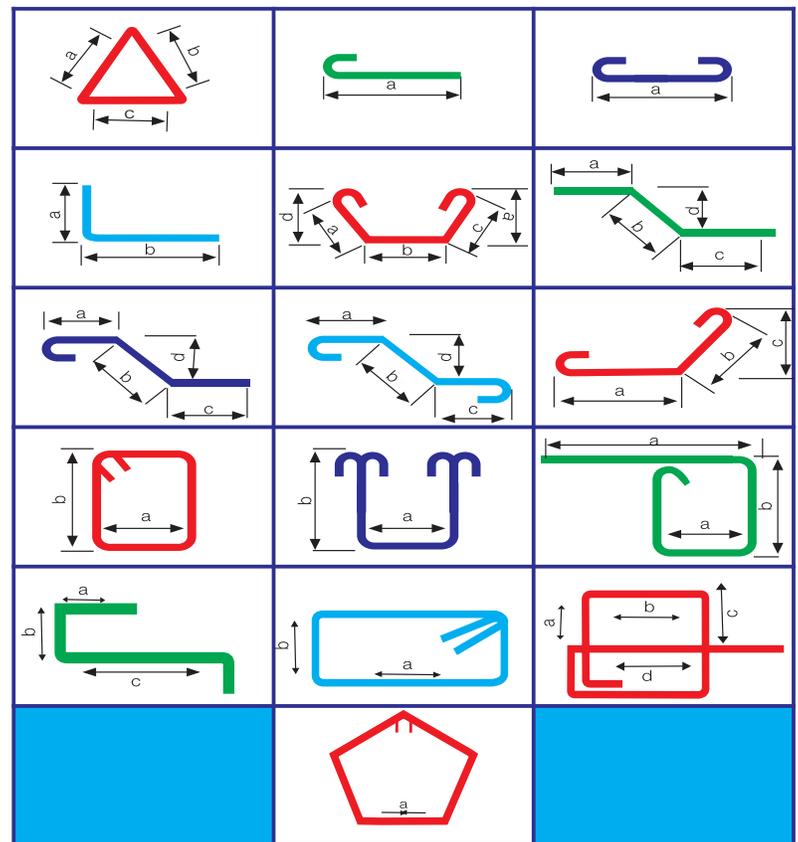
WHAT IS STIRRUPS (RINGS)?

A Stirrups is a loop which is embedded in any concrete structure to hold the main rebars together. The stirrups prevent the columns and beams from collapsing under severe forces like one experienced under earthquakes.

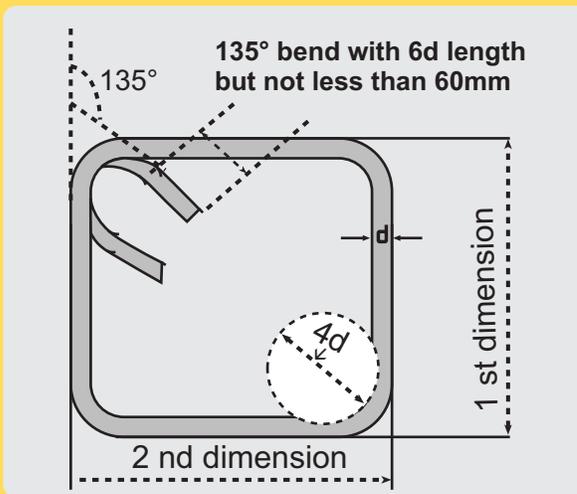
In India, conventionally stirrups are shaped manually by local labour available at construction sites. They follow elementary methods and so in most cases the stirrups do not adhere to the approved standards. These in most cases suffer from dimensional defects and can lead to improper locking of the ends. As a consequence, chances of the structure giving in during earthquakes increase. Stirrups of poor quality are considered "weak-links" in an RCC structure and can also cause unfortunate accidents during the construction phase. Later these increase the potential risk of collapse under adverse conditions

FRIENDS FAST-STEEL (CUT & BEND)

Various Shapes of Stirrups



Customized size can be made as per requirement from (8 to 32 MM) .



135° interlocking at the ends to ensure rigidity under severe force experienced under earthquakes