

# Joins and Hinges for Bamboo/Composite Sections

## Introduction

Presently, there is a large gap in research in designing of Bamboo structures and its joints. Most of the structural failure occurs due to poor joints. CSIO has developed highly engineered joints and hinges for bamboo and structural sections so that standard bamboo structures can be built for common use. CSIO has cover Mechanical Design analysis and testing of Bamboo and bamboo Composite structures and assemblies for the replacement of existing concrete & Metal Structures.

## Salient Features

**Joints:** Single slot Joint, Inverted Single slot Joint, Two slot Joint, Inverted Two slot Joint, T Joint, Inverted T joint

**Hinges:** Bamboo Door Hinge -4, Bamboo Door Hinge – 5, Bamboo Door Hinge – 6

## Technical Specification

- Material : Mild Steel (IS: 2062)
- Strength : Yield Stress is 247 MPa
- Weight : 1.5 Kg

## Benefits

- High strengths structural joints
- Easy and ready to use joints for building big structures such as house, Bridges etc.

## Applications

The designed joints and hinges can be used for building structure made of bamboo or wooden beams.



# JOINTS AND HINGES FOR BAMBOO/COMPOSITE SECTIONS

