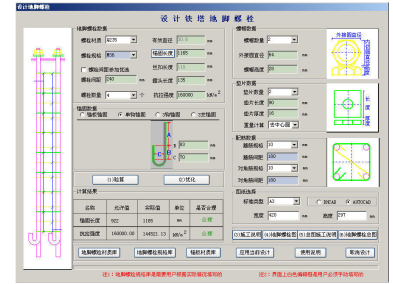


# Foundation Bolt Design Software

This CAD system is designed for creating foundation bolts in steel towers. It allows users to input parameters related to bolt specifications, spacing and quantity, and includes data for the bolt head, washer, and reinforcement.



## Overview

### Professional Foundation Bolt Design Software

This specialized CAD software is engineered for the precise design and verification of foundation bolts in steel tower structures. It streamlines the engineering process by allowing users to input critical parameters such as bolt material, dimensions, spacing, and reinforcement data. The system automatically calculates design viability against required tensile strength and provides standard drawing outputs, ensuring structural integrity and compliance with project specifications.

## Bolt Specifications

### Tensile Strength

**160000 kN/m<sup>2</sup>**

Tensile Strength

### Key Dimensions

Parameter	Value	Unit
Effective Diameter	30.8	mm
Anchorage Length	1165	mm
Bolt Spacing	240	mm
Thread Length	110	mm
Nut Height	28	mm
Protrusion Length	135	mm

Material Grade: Q235

Bolt Specification: M36

## Reinforcement Data

### Reinforcement Details

- Stirrup Spacing: 180 mm
- Stirrup Specification: 10 mm
- Diagonal Reinforcement Specification: 10 mm
- Diagonal Reinforcement Spacing: 180 mm

## Design Capabilities

### Core Features

Structural Verification • Design Optimization • Material Databases • Construction Details Generation • AutoCAD Integration • DHCAD Support

### Supported Anchoring Methods

Anchor Plate, Single Hook, 3-Hook, 3-Support