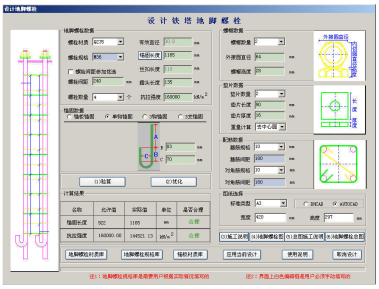
# Foundation Bolt Design Software

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/m2**
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 |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