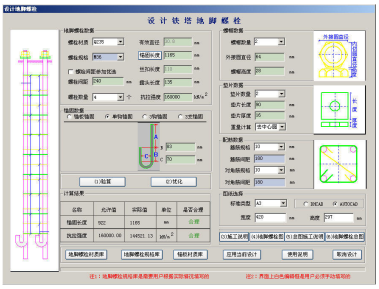
Foundation Bolt Design Software

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