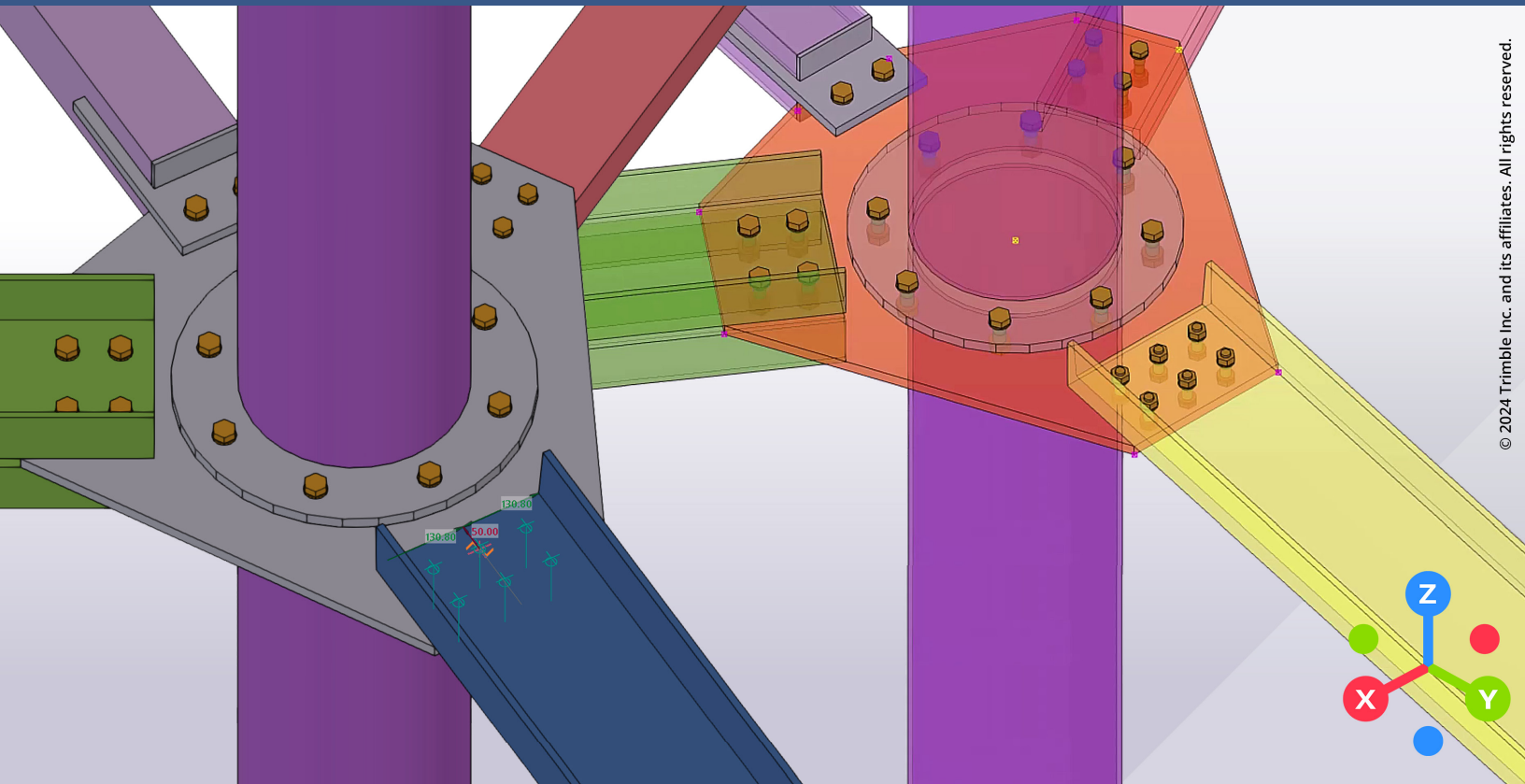


Tekla Constructible Online Training

Tekla Structures: Steel modeling fundamentals



Tekla Structures: Steel modeling fundamentals

This extensive course includes everything you need to learn about Tekla Structures as a steel detailer. It consists of an introduction and 27 modules that will teach you and your team how to work efficiently in 3D. The course follows a specific workflow that teaches you how to create a model step-by-step, with all structural elements and details. Customers can choose between online or in-person class training.

Content:

Introduction

- About this training
- Why Tekla Structures
- Setting up Tekla Structures
- Trimble Identity

Tekla Structures user interface

- Opening Tekla Structures
- Opening Model
- User interface
- Navigating in the model
- Clip planes
- Hiding parts from view
- Showing only selected parts
- Rendering modes
- Measuring
- Creating screenshots and visualizing the model
- Help and support

Setting up project specific information

- Create and setup the project properties
- Modify existing grid
- Create views
- Snap and selection switches

Model Steel Columns and Beams

- Steel parts in Tekla Structures
- Use property pane to modify part properties
- Create steel framing
- Create floor beams
- Copy and move beams

Model Rafters and Bracings

- Create Rafters
- Create Bracings
- Move objects
- Work planes

About System Components

- Overview about system components
- Components types
- Application and components catalog
- Addcomponents to model
- AutoDefault

Modeling Base Plate

- Add pad footings to the steel structure
- Model base plates
- Modify default properties for components

Modeling Beam to Beam Web Connection

- Model beam to beam web connection
- Measure bolt spacing and edge distance

Modeling Beam to Column Connection

- Model beam to column connection
- Inquire assembly using inquire command in ribbon
- About numbering in Tekla Structures

Modeling two sided connection

- Model two sided end plate using component 142

Modeling Haunch Connection

- Model a haunch connection using component 102

Modeling bracing connections

- Model bracing connections using component 105
- Model flat bar bracing connections using component 11

Detecting Clashes

- Clash checking using the “clash check manager” tool
- Detect clashes of small area in model using the “clash check manager” tool

Model view settings

- View properties
- Visibility of objects

Fixing Clashes

- Create a view along with the rafter
- Use Direct Modification to resolve the clash
- Connections to resolve the clash

About custom components

- What is a custom component
- Custom component types
- Parametric custom components

Creating custom components

- Create a custom component using an existing component
- Create a custom component by combining individual parts

Modifying custom components

- Parametric component behavior
- Bind column to as plate
- Add a thumbnail for a custom component

Importing and exporting custom components

- Export custom components from your model
- Import custom components to your model

Adding web stiffeners

- Add web stiffeners to a beam
- How to modify the component properties

Cuts, Fittings, Splits and Combine

- Cuts and Fittings in Tekla Structures
- Line cut versus Fitting
- Line cut, Part cut and Polygon cut
- Combine and Split parts in Tekla Structures

Bolts, Studs and Holes

- Introduction to Bolts, Studs and Holes in Tekla Structures
- Create Bolts in Tekla Structures
- Create Studs and Holes in Tekla Structures

Other Model Objects - Modeling Aids

- Introduction to Construction Objects
- Construction Objects - Modeling Aids

Welds in Tekla Structures

- Introduction to Welds in Tekla Structures
- Create welds in Tekla Structures

Other Model Objects - Item and Miscellaneous

- Items in Tekla Structures
- Create and import items
- Miscellaneous - Other model objects (Stairs, handrails, ladders, grating)

About numbering in Tekla Structures

- What numbering is
- Plan numbering
- Numbering settings

Numbering models

- Number the model
- Check the number result

Investment	
Duration:	12 hrs
Price:	\$1,100.00 per person

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