

Tekla Structures configurations

Tekla Structures is one product available in different configurations that provide specialized sets of functionalities to suit the needs of the construction industry. Tekla Structures can be used to cover the entire building process from conceptual design to fabrication, erection and construction management.

Tekla also offers configurations of Tekla Structures for students for both home and classroom use. For more information, visit www.tekla.com/solutions/students.

The help covers the content of the Full configuration, so the configuration you are using may not contain all the described features.

Feature map The features included in different configurations are:

Configuration Feature	Full	Steel Detailing	Precast Concrete Detailing	Cast in Place	Engineering	Construction Modeling	Primary	Project Viewer	Drafter
Viewing	✓	✓	✓	✓	✓	✓	✓	✓	✓
Grids, construction lines, points	✓	✓	✓	✓	✓	✓	✓	✓	
Building elements	✓	✓	✓	✓	✓	✓	✓ ¹		
Assemblies	✓	✓	✓	✓	✓	✓	✓		
Precast cast units	✓		✓			✓	✓		
Pours	✓ ²		✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	
Cast in Place cast units	✓	✓	✓	✓		✓	✓		
Numbering	✓	✓	✓	✓ ³			✓		
Assigning control numbers	✓		✓				✓		
Conceptual components				✓	✓	✓			
Steel components	✓	✓					✓		
Concrete components	✓		✓	✓ ⁵			✓		

Configuration Feature	Full	Steel Detailing	Precast Concrete Detailing	Cast in Place	Engineering	Construction Modeling	Primary	Project Viewer	Drafter
Lotting	✓	✓	✓	✓	✓	✓	✓	✓	
Sequencer	✓	✓	✓	✓	✓	✓	✓	✓	
User-defined attributes	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁴
Project status visualization (4D)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-user	✓	✓	✓	✓	✓	✓	✓	✓	✓
Locking	✓	✓	✓	✓	✓	✓	✓	✓	
Clash check manager	✓	✓	✓	✓	✓	✓	✓	✓	
Task manager	✓	✓	✓	✓	✓	✓	✓	✓	
Organizer	✓	✓	✓	✓	✓	✓	✓	✓	
Printing and publishing									
Printing and plotting	✓	✓	✓	✓	✓	✓	✓	✓	✓
Publish models	✓	✓	✓	✓	✓	✓	✓	✓	
External editors									
Symbol Editor	✓	✓	✓	✓	✓	✓	✓	✓	✓
Template Editor	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drawings, plans and reports									
Creating general arrangement drawings (plan, section, erection)	✓	✓	✓	✓	✓	✓	✓		
Modifying general arrangement drawings (plan, section, erection)	✓	✓	✓	✓	✓	✓	✓		✓
Creating steel fabrication drawings (single-part drawings)	✓	✓					✓		
Modifying steel fabrication drawings (single-part drawings)	✓	✓					✓		✓
Creating steel fabrication drawings (assembly drawings)	✓	✓					✓		

Configuration Feature	Full	Steel Detailing	Precast Concrete Detailing	Cast in Place	Engineering	Construction Modeling	Primary	Project Viewer	Drafter
Modifying steel fabrication drawings (assembly drawings)	✓	✓					✓		✓
Creating precast concrete drawings (cast unit drawings)	✓		✓				✓		
Modifying precast concrete drawings (cast unit drawings)	✓		✓				✓		✓
Creating cast-in-place concrete drawings (cast unit drawings)	✓		✓	✓			✓		
Modifying cast-in-place concrete drawings (cast unit drawings)	✓		✓	✓			✓		✓
Anchor bolt plans	✓	✓	✓	✓	✓	✓	✓		
Reports	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interoperability									
Export CNC, DSTV	✓	✓				✓	✓	✓	
Steel MIS links	✓	✓				✓	✓	✓	
Import 2D and 3D DWG, DXF	✓	✓	✓	✓	✓	✓	✓		
Export 3D DWG, DXF, DGN	✓	✓	✓	✓	✓	✓	✓	✓	
Export drawings (DXF, DWG)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Import and export CAD and FEM packages	✓	✓	✓	✓	✓	✓	✓	✓	
IFC 2x3 export	✓	✓	✓	✓	✓	✓	✓	✓	
CIS/2 import and export	✓	✓	✓	✓	✓	✓	✓	✓	
EliPlan import and export	✓		✓				✓		
BVBS export	✓		✓	✓			✓		
HMS export	✓		✓				✓		
Unitechnik export	✓		✓				✓		

Configuration Feature	Full	Steel Detailing	Precast Concrete Detailing	Cast in Place	Engineering	Construction Modeling	Primary	Project Viewer	Drafter
View reference models	✓	✓	✓	✓	✓	✓	✓	✓	✓
Attach reference models (DXF, DWG, DGN, 3DD, IFC, XML, PDF)	✓	✓	✓	✓	✓	✓	✓	✓	
Analyzing									
Create analysis model	✓	✓	✓	✓	✓		✓		
Analysis and Design interface	✓	✓	✓	✓	✓		✓		
Loads	✓	✓	✓	✓	✓		✓		
Open API									
Open API capabilities	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁴

✓1 = Limitation: 2500 parts, 5000 reinforcing bars + reinforcing bar groups, unlimited number of bolts.

✓2 = Pours are enabled by an advanced option.

✓3 = Numbering is limited to cast-in-place parts, cast units and reinforcing bars.

✓4 = View only.

✓5 = Only Cast in Place concrete components.