

CADWorx Structure

Product: CADWorx Structure: 2018 (02.00.00)
CADWorx Structure Editor: 2018 (02.00.00)

Description: CADWorx Structure is an integrated, complete CAD-based software series for structural design that provides intelligent drawing, advanced levels of automation, and easy-to-use drafting tools. The comprehensive series of design tools includes modeling productivity tools, library management, isometric and single line steel deliverable modes, summary or detailed bills of material, and much more.

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System Requirements

AutoCAD

CADWorx Structure is compatible with the following AutoCAD versions:

- AutoCAD 2018 (64 bit)
- AutoCAD 2017 (64 bit)
- AutoCAD 2016 (64 bit)

CADWorx Structure is compatible with the following Autodesk vertical products (2018-2016):

- AutoCAD Mechanical
- AutoCAD Electrical
- AutoCAD Architecture
- AutoCAD MEP
- AutoCAD Civil 3D
- AutoCAD Map 3D

CADWorx Structure is **NOT** compatible with:

- AutoCAD LT
- Autodesk Inventor
- Autodesk Revit



The operating system compatibility is based on AutoCAD or the Autodesk vertical product used:

- AutoCAD 2018: Windows 7, Windows 10
- AutoCAD 2017: Windows 7, Windows 10
- AutoCAD 2016: Windows 7, Windows 10

NOTES

- For the most up to date AutoCAD system requirements, check the Autodesk website.
- Beginning with Windows 10 and Oracle 12.1.0.2, Microsoft and Oracle will enforce the Internet Host Table Specification RFC 952 which mandates that component hostname labels can contain only alphanumeric characters. Host names using underscores ('_') are not allowed. Refer to Oracle Support Articles 1603775.1 and 1957895.1 and Microsoft KB 101785.

BricsCAD

CADWorx is compatible with the following BricsCAD versions:

- BricsCAD 17.2

The operating system compatibility is based on the BricsCAD used:

- BricsCAD 17.2: Windows 7, and Windows 10

Version Compatibility

For up-to-date information on the software compatibility of this product in a standalone or integrated environment, please refer to the Compatibility Matrix on the Intergraph PPM Support Web site at <https://smartsupport.intergraph.com/>.

Log on and perform the following steps:

1. Click the **View Downloads** tab.
2. Click the **Product Compatibility** link under **Useful Links** on the right side.
3. On the **PPM Compatibility Matrix - Product Report** page, from the Select Product list, select CADWorx.
4. From the **Version** list, select the version of CADWorx.

Documentation

General

Use the Help menu to access the Help files and Printable Guides for this product. For the latest support information for this product, use a World Wide Web browser to connect to <http://support.intergraph.com>. Also, you can submit any documentation comments or suggestions you might have on the Intergraph support site.

Printed documentation is not available for separate purchase.

PDF Files

The documentation is provided as .pdf files. You can use any PDF viewer to view the files.

Training



To register for training on Intergraph Process, Power & Marine products, call Training Registration at (800) 766-7701 in the U.S. Outside the U.S., call (256) 730-5400 or contact your local Intergraph office.

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Customer Support


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CADWorx Structure New Features

New Features in CADWorx Structure 2018

This version of CADWorx Structure features the following new enhancements:

- You can insert tapered and haunched members, which minimizes steel, and lowers cost, weight, and space. The software includes tapered and haunched members in bill of materials, and weight and center of gravity reports.
- Updated the **Shapes** palette to include options for circular and rectangular concrete members.
- You can create and insert custom sections in your 3D model.
- Insert walls in your 3D model.
- Insert footings in your 3D model.
- You can insert spiral stairs around a vessel or a central post with the **Cylindrical** option in the **Stair** palette.
- You can create deliverable drawings with the **Create Drawings** option. After creation of drawings, you can **Modify**, view the **Drawing List**, and update settings.
- Enhanced the **Selection Filters**  option to limit model space selections in your 3D model. You can limit walls, footings, custom data, and slabs.
- Add concrete slabs to your model. Slabs can automatically include metal decking and thickened edges for more efficient modeling.
- The footing, wall, slab, and concrete member features include the following:
 - Export and import solids in CIS/2 for rebar detailing.
 - Report on the bill of materials, and the **Weight and Center of Gravity** calculations.
- Added more Process Industry Practice (PIP) standard options for handrails. You can now select the **Angle Connection** type for the **Railing Connection** when placing a handrail, and define the **Bracket Length** and the **Length Above Member**.
- Created a new palette called **Area Objects** and moved **Grating**, **Decking**, and **Plates** from the **Assemblies** palette into this palette. Added **Slabs** and **Walls** for insertion.
- Added the clash detection palette that allows you to identify and fix clashes between intersecting objects. You can also identify and outline soft clash volumes.
- Added **Clash Detection** settings and **Drawing Template** settings to the **Structure Setup**.
- You can import a CIS/2 data file (.stp) into your 3D model for change management.



- Updated structure members to visually show custom data in the model space.
- Added the **Apply Change Data** rule in the **Rules** tab of the **Structure Setup**. The **Apply Change Data** rule provides the option to edit without updating components.
- Added an **Elevations** option to the column grid. Added elevations make it easier to place columns between floors using **Pick Points**.
- Added the **Ungroup** command to break assemblies into individual members.
- Updated **Weight and Center of Gravity** to include external referenced (XREF) objects.
- You can adjust the table properties for a bill of material with the CAD table properties.
- Enhanced the view box to define views based on specific drawing selections. You can select a view for **Plan, Elevation, Details, and Pick Points**.
- Enhanced the palettes. The software now remembers previously entered information in the CADWorx Structure palettes when you close and then reopen a palette.
- You can view read-only component properties of legacy steel.
- CADWorx Structure supports AutoCAD 2018.

New Features in CADWorx Structure Editor 2018

This version of CADWorx Structure Editor features the following new enhancements:

- You can add tapered and haunch members, circular concrete, rectangular concrete, rectangular walls, tapered tee walls, and tee walls to your data table folder.
- Added the properties of tapered and haunched members, circular concrete, rectangular concrete, rectangular walls, tapered tee walls, and tee walls to *Appendix A: Properties Descriptions*.
- You can view your custom data in the **Shapes** palette in CADWorx Structure.
- Added instructions for importing from a group and layer .cwxS file.

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