

CADWorx Structure

Product: CADWorx Structure: 2017 R1 (01.01.00)
CADWorx Structure Editor: 2017 R1 (01.01.00)

Description: Intergraph 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 2017 (64 bit)
- AutoCAD 2016 (64 bit)

CADWorx Structure is compatible with the following Autodesk vertical products (2017-2016):

- 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 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.

For information about authoring tool versions that work with a particular version of SmartPlant Foundation, select **SPFoundation** in step 3.

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.

For current information on training, use a World Wide Web browser to connect to <http://www.intergraph.com/ppm/training/>.

Customer Support







For the latest Support Services information for this product, including solutions to known software issues, use a World Wide Web browser to connect to <http://support.intergraph.com/>.


To open service requests outside the U.S., please contact your local Intergraph office.

CADWorx Structure New Features

New Features in CADWorx Structure 2017 R1

This version of CADWorx Structure features the following new enhancements:

- You can limit model space selections in your drawing using the new **Selection Filters**  option on the **Tools** panel.
- You can add openings in structural members. The **Open**  command on the **Model** panel now works to open all objects in CADWorx Structure with the exception of handrails. To open handrails, you must continue to use the **Open**  option under **Handrail** in the **Modify** panel.
- You can export to CIS/2 file format for detailing and analysis with the **Export CIS/2** option on the **Tools** panel.
- You can annotate structural objects for **Short Description, Long Description, Part Number, Tag, Material, and Member Size**. This allows you to build structures from elevation, plan, or orthographic drawings. These options are located on the **Drawings** panel. You can access **Member Annotations** in the **Rules** of the **Structure Setup**.
- You can remove copes and miters using the **Cope**  and **Miter**  commands with the **Remove Existing Cope** and **Remove Existing Miter** options. Active copes and miters are designated by spherical symbols in the model.
- You can more efficiently insert gusset plates on bracing with the new **Gusset** option added in the **Plates** palette.
- You can turn banding on or off around the grating and the openings in the grating with the **Banding**  command.
- You can compute the weight and center of gravity of structure objects in CADWorx Structure with the **Weight and Center of Gravity** option on the **Tools** panel.
- You can remove openings in structural objects with the **Remove Openings** option on the **Model** panel.

- You can show or hide components on a specific layer from the Bill of Material in the **BOM Setup** .
- You can independently define cross section member settings for the bottom, top, and intermediate hoops on a caged ladder in the **Ladder** palette.
- Updated the column grid to include a default first line. You no longer need to add the first line of the vertical and horizontal lines, as the software defaults include this first line.
- You can control the number of decimal places that displays on the bill of material for both **Weight** and **Area** measurements with the **Weight and Area Precision** option in the **Tag** section of the **Bill of Materials** section in the **Rules**.
- You can now offset the handrail in the horizontal direction so that the handrail faces correctly in the structure in the Handrail palette.
- CADWorx Structure supports BricsCAD 17.2.

New Features in CADWorx Structure Editor 2017 R1

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

- You can upgrade previous versions of the library files to the current version of CADWorx Structure.
- You can transfer the assembly data between projects with **Assembly Template** option on the **Transfer Data** panel.
- Moved the necessary layers from the **Layers** tab in CADWorx **Structure Setup** to the **Layer Manager** in the CADWorx Structure Editor.

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Intergraph Corporation
305 Intergraph Way
Madison, AL 35758

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