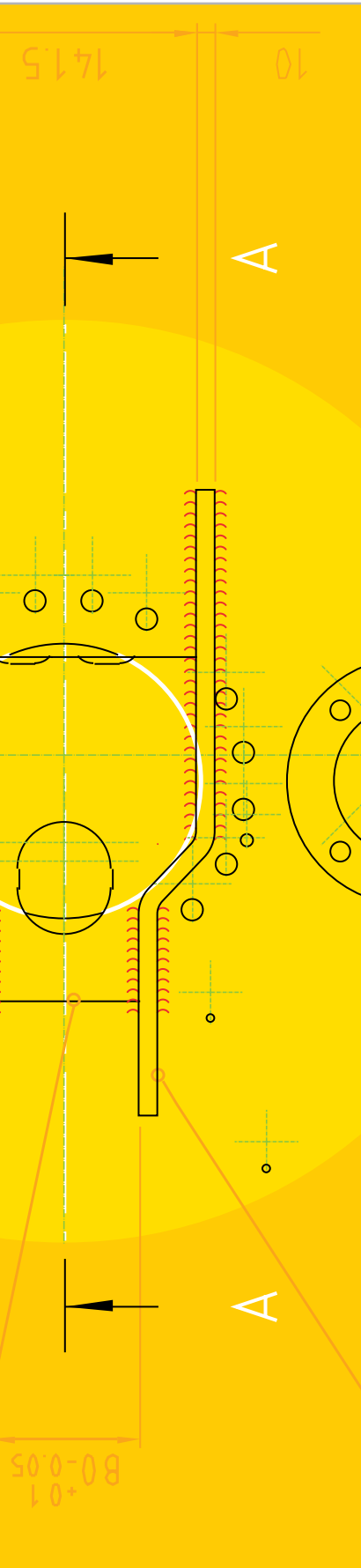




## What's better than AutoCAD for 2D mechanical design? AutoCAD Mechanical.



Want to get unparalleled productivity out of your 2D mechanical design process? Then take a look at **AutoCAD® Mechanical**. This software packs powerful tools, such as a content library, that accelerate mechanical design projects by automating common tasks. And it's based on the AutoCAD® platform, so it offers all the DWG file compatibility your teams need to easily share design data with other AutoCAD and Autodesk Inventor® software users. But it goes above and beyond the capabilities of AutoCAD, offering significant productivity increases for 2D mechanical design. And that's what matters—this is a purpose-built tool that will help your teams save countless hours of design and rework.

### Reduce Complex and Repetitive Tasks

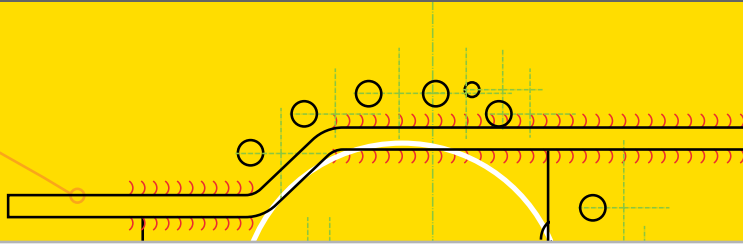
You'll work more intuitively, efficiently, and accurately with 2D mechanical structure, a design environment in which lines, arcs, and circles combine to form parts, assemblies, and subassemblies.

The upgraded browser in AutoCAD Mechanical is the center of its 2D mechanical structure. The browser organizes 2D data and displays the structure of your design by distinguishing between parts, assemblies, and their respective features. And its shortcut menus make it easy to quickly insert, create, combine, sort, or delete items, and to change the properties of an item. With AutoCAD Mechanical, designers can capture their design intent more easily while getting the job done faster.

Once you have completed your designs, AutoCAD Mechanical provides a flexible and collaborative structure that makes it easy to share and reuse your data. Powerful external reference abilities make it a snap to use parts and assemblies from either current or existing projects so that your design data remains synchronized. The new Structural Catalog simplifies organizing and accessing design data while allowing you to easily set up custom libraries.

### Reduce Errors and Make BOM Easier

The precision tools in AutoCAD Mechanical will help you reduce errors. For example, changing a drawing after you have added your hidden lines can be tedious and error prone. But this software's associative 2D hide



feature automatically redraws your hidden lines based on the settings you've selected. Using 2D mechanical structure, you can easily make adjustments to your design without having to redraw all the associated hidden lines.

With AutoCAD Mechanical, you can avoid the tedious task of creating parts lists and bills of materials (BOMs) by hand. By using the standards-based parts libraries you can ensure that your parts list and BOMs will not only contain correct part information, but also update automatically as your design changes. The intelligent ballooning capabilities make it easy for you to quickly place and edit balloons for your entire drawing, while making sure that they adhere to design standards. And you can easily export your BOM information to your design team. Any edits they make will automatically synchronize with existing BOM when you import them back into your drawing.

### Increase Drafting Productivity

AutoCAD Mechanical helps you complete your design faster with drafting tools that you won't find in basic AutoCAD software. First, with AutoCAD Mechanical, there are fewer dialog boxes required to create a dimension. Second, you can easily access relevant dimensional information, saving you hours of time when adding, deleting, or editing dimensions. Finally, you can quickly annotate drawings using mechanically focused, standards-based symbols, such as surface textures, tolerances, targets, and weld symbols. All this helps you deliver more accurate drawings to the shop floor.

### Communicate and Manage Design Data

Integrated with AutoCAD Mechanical, Autodesk® Vault makes data management more efficient by organizing your design data and protecting it from inadvertent changes. This easy-to-use tool for work-in-process data management makes data more accessible and reusable, while avoiding the versioning problems inherent in sharing files among workgroups. Most importantly, Autodesk Vault is tightly integrated with all your Autodesk design applications, making data management easier than ever.

### Inventor Associativity

With the Autodesk Inventor associativity functionality in AutoCAD Mechanical, you can access and associatively document 3D parts without having Autodesk Inventor software. Just browse through your Autodesk Inventor files and open the 3D part file, and you'll see that a link is automatically created to the AutoCAD Mechanical DWG file. Document and detail the part, and the associative link between the files provides automatic notification of any design changes in the Autodesk Inventor design. And any changes in the Autodesk Inventor file are reflected in the AutoCAD Mechanical file, saving you hours of rework.

### Autodesk Gives You More

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### Purchase or Learn More

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Accelerate your design process and help improve product quality with AutoCAD Mechanical. For more information, visit [www.autodesk.com/acadmechanical](http://www.autodesk.com/acadmechanical).

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