



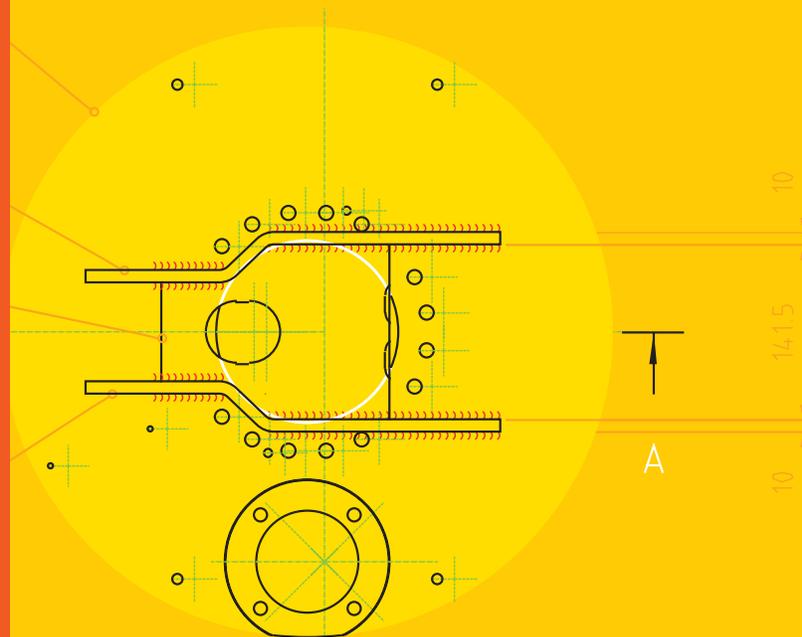
## What's better than AutoCAD for 2D mechanical design? AutoCAD Mechanical 2005.

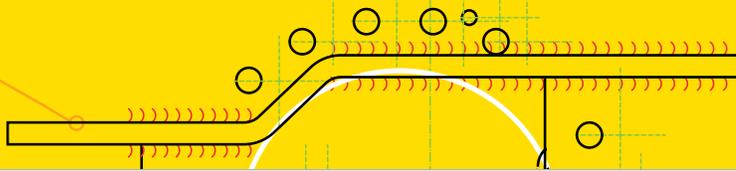
Want to get unparalleled productivity out of your 2D mechanical design process? Then take a look at **AutoCAD® Mechanical 2005**. This software packs powerful tools, such as a content library, that accelerate mechanical design projects by automating common tasks. And it's based on the AutoCAD® platform, 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.

### So, what's new with AutoCAD Mechanical 2005?

- Flexible and collaborative structure
- Enhanced mechanical browser
- Improved 2D hidden line drawing
- Autodesk Inventor associativity for parts
- Autodesk® Vault

# What's New





## Flexible and Collaborative Structure

**New** The 2D mechanical structure in AutoCAD Mechanical has been enhanced to include powerful external reference abilities that provide a collaborative, structure-based design environment. Now you and your team can work together more closely. Multiple designers can work on a single assembly and document or reuse different parts simultaneously, while dynamic linking ensures that part drawings are synchronized with their related assembly drawings.

## Enhanced Mechanical Browser

**Enhanced** The upgraded browser in AutoCAD Mechanical makes it easier to organize 2D data and display the structure of your design by distinguishing between parts, assemblies, and their respective features. You can now drag and drop components in the browser, so you can easily sort parts, views, and folders to better organize, store, and access your design data. If you are looking for an item, just select it in the view port and it will be highlighted in the browser.

## Improved 2D Hidden Line Drawing

**Enhanced** The improved hidden line functionality gives you more control and increases drawing performance for large or complex drawings. By using the associativity provided with 2D structure, the improved hidden line functionality enables you to define and control how hidden lines are drawn, and warning dialog boxes alert you to open geometry or complex calculations.

## Autodesk Inventor Associativity for Parts

**Enhanced** You have been able to open, document, and detail Autodesk Inventor part files with AutoCAD Mechanical, but in this release we have increased the precision of those details. Now you can use the dimensional tolerances specified during the creation of the Autodesk Inventor part. And, as always, if a change occurs to the 3D part file, the associative link will automatically update the 2D drawing, saving you countless hours of re-creating parts.

## Autodesk Vault

**New** Integrated with AutoCAD Mechanical 2005, Autodesk Vault makes data management more efficient by organizing your design data and protecting it from inadvertent changes. This easy-to-use data management tool makes work-in-process data more accessible and reusable, while avoiding the versioning problems inherent in sharing files among workgroups. Most importantly, Autodesk Vault is tightly integrated with your Autodesk® design applications, making data management much easier.

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