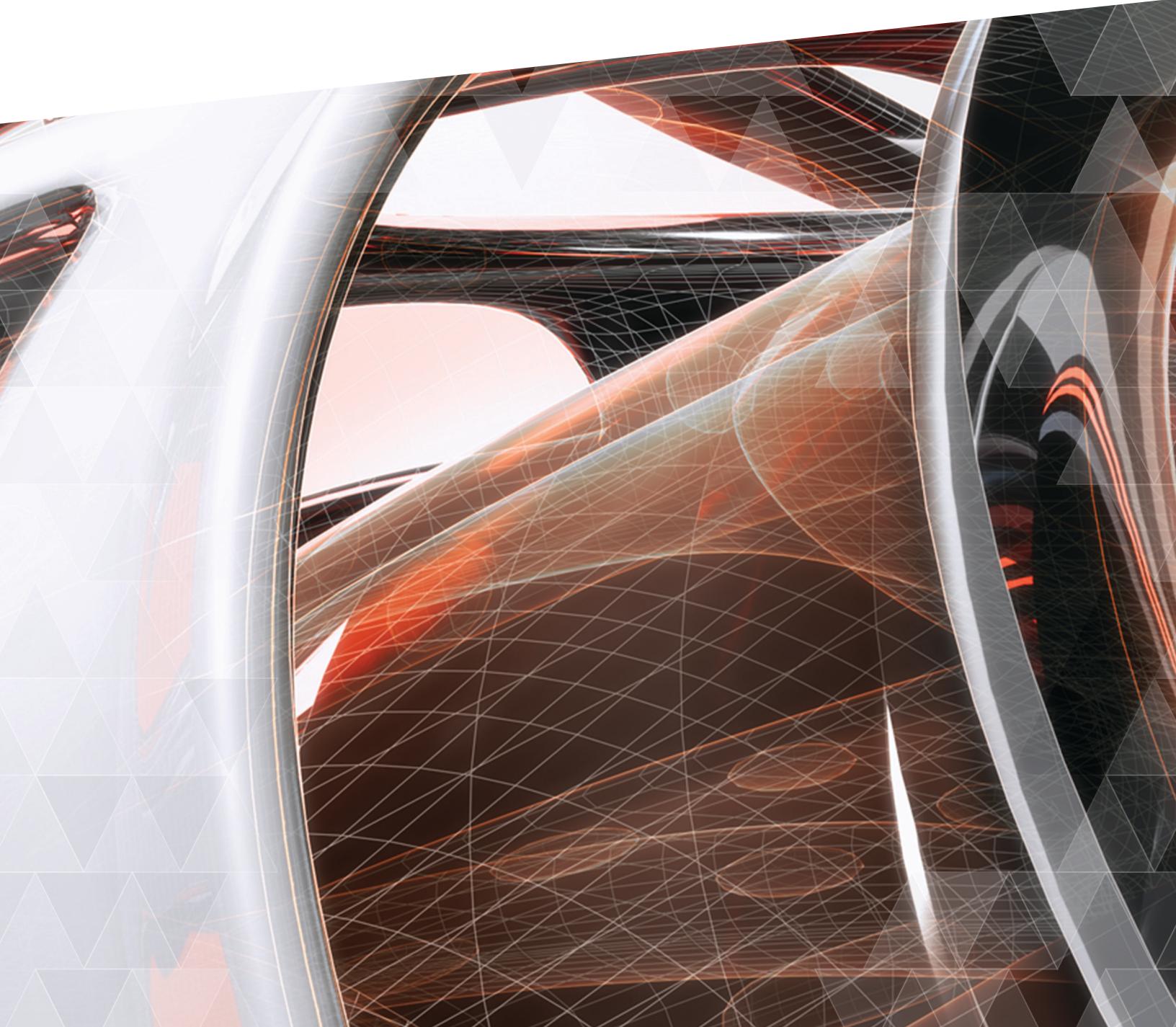


A AUTODESK® AUTOCAD® MECHANICAL 2018

Power tools for mechanical design



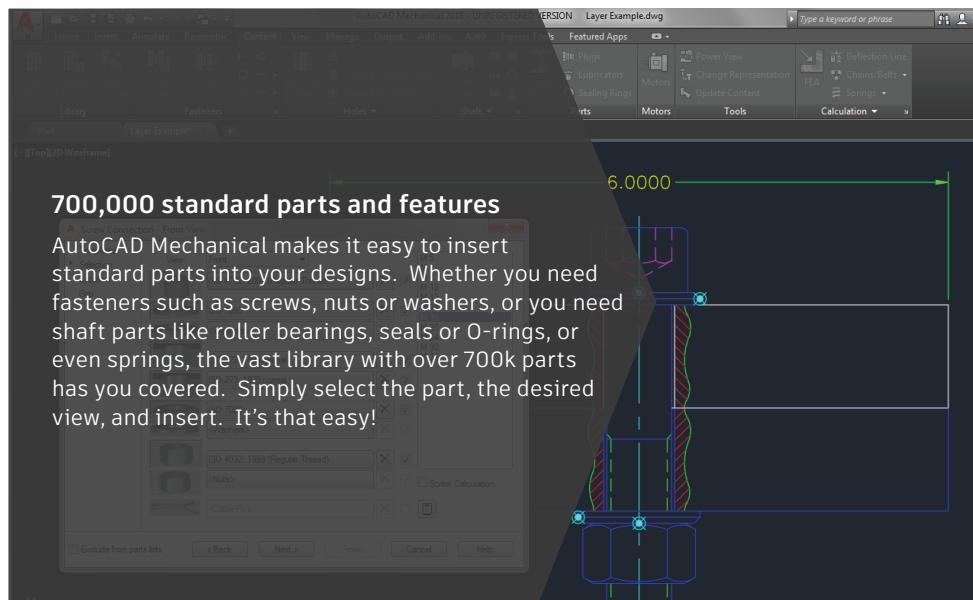
AutoCAD Mechanical simplifies complex 2D mechanical design to help you create and revise drawings faster

Facing these issues?

- Productivity is limited by software that is not built specifically for mechanical design.
- Frequent design changes are creating hours of manual rework.
- Design errors and incorrect bills of materials (BOMs) and parts lists are keeping products from shipping on time.
- Updating existing drawings is costing your company valuable time.
- Inconsistent use of drafting standards is slowing down shop-floor production.
- Inability to find and reuse designs is forcing your teams to create too many drawings from scratch.

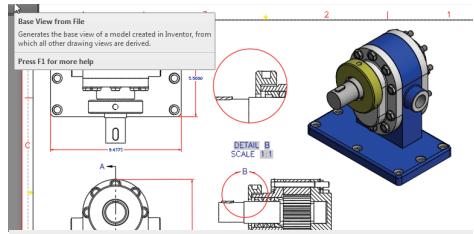
The standard in 2D mechanical design

With comprehensive libraries of standards-based parts, and tools for automating common design tasks, AutoCAD® Mechanical design and drafting software can help accelerate the mechanical design process. AutoCAD Mechanical provides innovative design and drafting tools that are wholly focused on ease of use for the Autodesk® AutoCAD® user. Keeping the AutoCAD user experience intact lets designers maintain their existing workflows while adopting the enhanced functionality of AutoCAD Mechanical at their own pace. Designers gain a competitive edge by saving countless hours of design and rework, so they can spend time innovating rather than managing workflow issues.



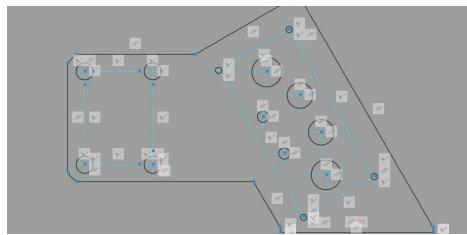
“Sharing building documentation is commonplace for us. The rich functionality of Autodesk software provides easy collaboration with AutoCAD Mechanical and allows seamless interoperability with various auxiliary applications.”

—Andrzej Żurawski
Development Manager
ALUPROF S.A.



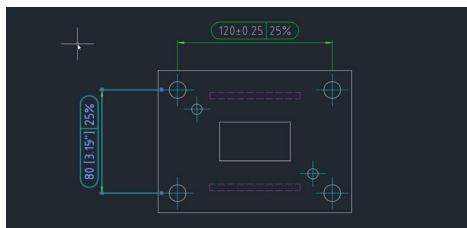
Document 3D CAD models

Leverage the 2D detailing capabilities of AutoCAD Mechanical with native 3D Inventor models. Use the powerful AutoCAD Mechanical dimensioning tools to annotate the drawing, or add tables and notes, using the best-in-class documentation tool available. Use the powerful AutoCAD Mechanical dimensioning tools to annotate the drawing, or add tables and notes, using the best-in-class documentation tool available.



Custom content library and publishing

Upon installation, AutoCAD Mechanical already delivers over 700k standard parts to use. However, it is often necessary to publish your own custom content to be reused in multiple drawings. The capabilities in AutoCAD Mechanical allow users to create libraries as simple as blocks, or to create more intelligent parts that are dynamic, and have multiple views available to insert.

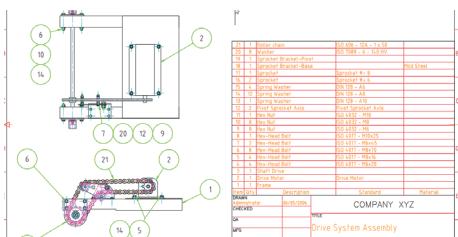


Support for international drafting standards

Out-of-the-box, AutoCAD Mechanical supports eight drafting standards, which include ANSI, BSI, CSN, DIN, GB, ISO, JIS and GOST. Each standard controls drawing elements such as dimension styles, text heights and colors, hole chart formats, centerline formats, note text and leader formats, and how parts lists are displayed. In addition, engineers have the flexibility to customize any of the standards, or to create their own.

Smart mechanical engineering dimensions

Power dimension functionality in AutoCAD Mechanical is purpose-built to speed documentation for manufacturing companies. With a single command, create multiple types of dimensions, including linear, angular, radial, and diameter. You can also create multiple dimensions with minimal input, and overlapping dimensions will automatically space themselves appropriately. And if that isn't enough, they will automatically adjust their linear scale, and will automatically be assigned to the appropriate layer.



Associative balloons and bills of materials

AutoCAD Mechanical gives users options to insert and identify geometry that will be part of the bill of materials (BOM). With this information, parts lists can be quickly created, including multiple columns of information, and parts can be identified on the drawing with automatic balloon capabilities. Even more importantly, if components are later added or deleted to the drawing, the parts lists and balloon information is associative and updates automatically.

10 reasons to choose AutoCAD Mechanical

- 700,000 standard parts and features
- Extended draw tools for manufacturing
- Powerful and smart dimensions
- Smart detailing tools
- Support for international drafting standards
- Associative balloons and BOMs
- Automatic layer management
- Smart hidden lines
- Machinery generators and calculators
- Associative CAD model documentation

Make Great Products

Autodesk manufacturing software helps you make better quality products, faster. Machine, print, inspect, and fabricate parts efficiently.

- Complete modular manufacturing solutions – CAM, additive, composites
- Manufacturing expertise to automate, optimize and integrate your manufacturing processes, in addition to your software
- Cloud-connected so you can collaborate and manufacture anytime, anywhere.

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