

Mechanica Module



📞 +91 9748468686 🔀 sales@nanocad.in 🌐 www.nanocad.in

New in Mechanica Module

- ✓ Flange Properties
- ✓ New Types of 3D Thread
- ✓ Document properties window
- ✓ Assembly unit properties window

Features

Library of Standard and Complex Parts

- ✓ Search filter
- ✓ Fasteners
- ✓ Standard profiles
- ✓ Reamers
- ✓ Circuit elements symbols

Broad Range of Design Tools

- ✓ Supports multi-sheet drawings
- Constructs objects and symbols by a variety of methods, such as orthogonal drawing and using object snap
- ✓ Manages drawing order of overlaying objects
- Draws standard and custom line types, hatches, and fonts with styles

Parameterized Parts Database

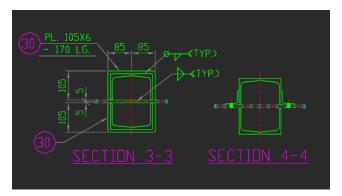
Mechanica's parts database contains a vast collection of parametric and object-dependent elements, including three-dimensional ones. When you change the parameters of a part, all associated parts in the drawing also change automatically, according to their database values. This powerful tool generates design variations, which improve the design quality.

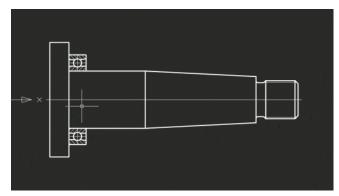
Standards-based Engineering Drawings

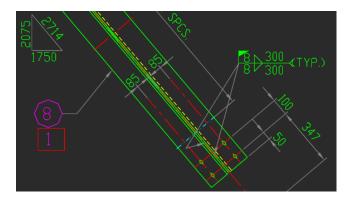
- ✓ ISO-standard fonts, line types, and dimension styles
- Tolerance zones and deviations for dimensions and fits
- ✓ Form and plane position tolerances
- ✓ Surface texture symbols
- ✓ Gradient symbols

- √ Specification by 3D model
- ✓ Specification positions
- Stamping
- Flanging













Designing Bolted and Riveted Joints

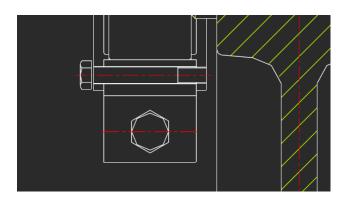
Mechanica offers flexibility in handling bolt and rivet functions:

- Connect groups of parts with arbitrary thickness using bolts, screws, or studs
- Connect parts of arbitrary thickness with rivets displayed in regular and high accuracy, made of hollow and semi-hollow rivets
- ✓ Display simplified fasteners in joints
- ✓ Generate patterns of bolts and rivets in joints

BOM Tools

Mechanica's BOM tools create bills of material of parts linked to drawings. BOM tables can contain the following items:

- ✓ Itemized specification numbers
- ✓ Electrical specifications
- ✓ Automatic receipt of specifications
- ✓ Custom specifications



BILL OF MATERIALS				
ERECTION MKD.	PART MARK	ITEM NO.	SECTION	LENGTH IN mm.
	1	1	L 130x130x12	2160
		2	PL 100x10	250
A/CBR-1	2	3	L 110x110x12	3442
		4	PL 675x10	992
		37	PL.85x10	210
		5	L 130x130x12	2134
	4	2	PL 100x10	250



