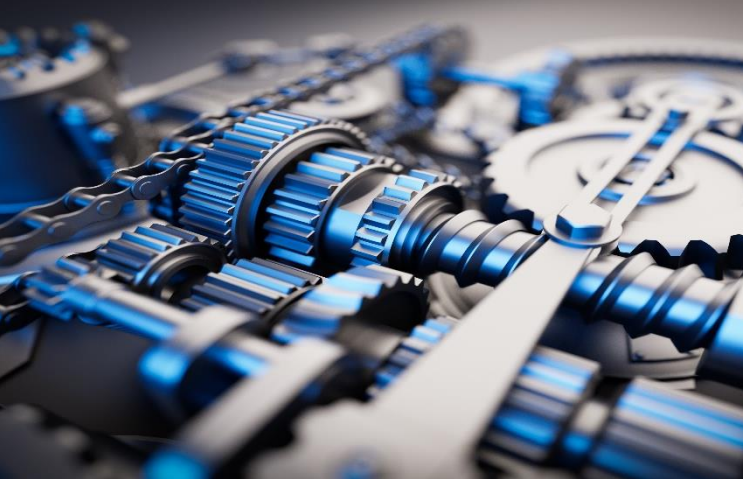# CADprofi Mechanical

Program helps in designing mechanical and construction projects in 2D.

The world's leading CAD software add-on

The Mechanical module is equipped with an extensive set of standardized parts, steel fittings and other steel products, based on local and international standards. The library includes bolts, screws, washers, nuts, joints, rivets, studs, L-bars, tapered channel bars and parts used in the design of heat exchangers and other devices. Configurable marks for roughness, tolerances, welds and other symbols used in the technical drawing are also available. An excellent schemes creator allows user to quickly draw hydraulic and pneumatic systems.

Ease of use

CADprofi is a professional parametric CAD application that vastly accelerates design work. The application's convenient, user-friendly interface makes it possible to fully employ its features immediately, without the need of extensive software training. CADprofi is highly popular among architects and engineers. Less experienced users, who only occasionally work with CAD drawings, also highly praise the accessibility and functionality of our software.

Comprehensive functionality

CADprofi program consists of several modules, thanks to which industry offices can use a consistent system to aid the design process and coordinate different industries.

CADprofi includes the following industry modules:

- CADprofi HVAC&Piping
- CADprofi Electrical
- CADprofi Architectural
- CADprofi Mechanical

Software is equipped with a rich array of functions supporting the user at every level of design work: from automatic description system to the bill of materials generation and exporting data into many file formats.

CADprofi has been developed mainly as a tool used in 2D and isometric drawings.

Program includes classifications of objects compliant with BIM. BIM data is used when creating bill of materials and can be transferred to applications that are used during the implementation of the investment.

All of the application modules are mutually compatible with each other and can be installed in any combination.

The regularly updated object library of many industrial manufacturers supports the designer also in working in 3D.

CADprofi Mechanical

The diversity of the functions contained in CADprofi allows for extreme acceleration of the project work.

Maximum compatibility

Tens of thousands of users from all over the world have already chosen CADprofi. This is the reason, why we always take care to preserve full compatibility with other CAD applications.

CADprofi will automatically configure itself to be optimally compatible with any selected software environment, including BricsCAD, AutoCAD, ZWCAD, progeCAD, GstarCAD and many more.

Drawings created in CADprofi are fully compatible with DWG and DXF formats and can be edited in any CAD system without the need to run and use our software.
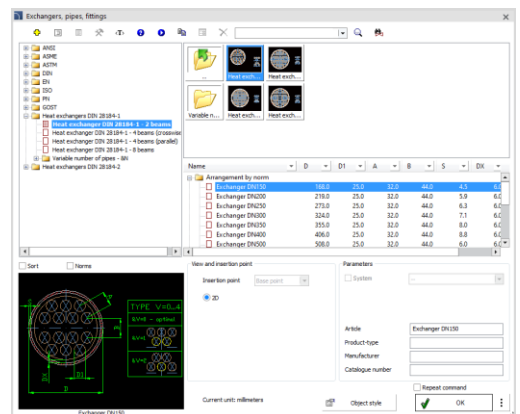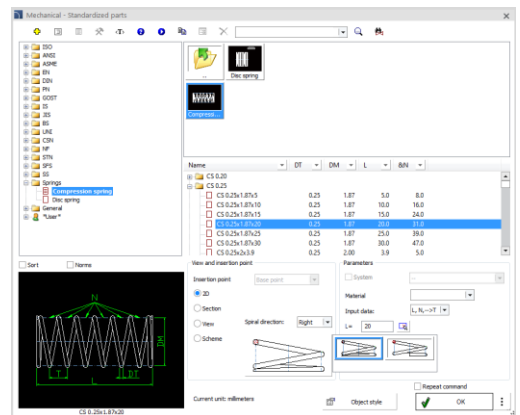
Available languages

The Unicode based user interface supports 25 languages, i.e. English, Bulgarian, Chinese (Simplified), Croatian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish, Swedish, Turkish and Ukrainian.

Always up-to-date

CADprofi is being constantly developed. Versions with new features appear several times per year, providing users with upgraded content and functionality. Our online updates enable every user to immediately access our latest technology.

Key features

- A wide range of editing commands.

- Ability to quickly edit objects, e.g. change the length of bolts.

- Layer management based on Open BIM (IFC classification).

- A rich set of standardized parts: bolts, screws, washers, nuts, springs, connections, rivets, pins, holes, keys, wedges, pins, cotter pins, bearings, grease nipples and many more.

- Steel profiles: L-shapes, C-shapes, T-shapes, flat bars, hollow profiles, rods, pipes and others.

- All parts are available in different views.

- Flanges and dished ends for apparatus.

- Pipes and fittings (elbows, tees, reducers, etc.) useful in the design of apparatus.

- Procedures for calculating the heat transfer area and various hydraulic and pneumatic systems.

- Metric (mm, cm, m) or imperial units available.

- User elements manager (blocks, drawing frames, symbols, etc.).

- Automatic creation of bill of materials that can be printed or exported to many formats including pdf, rtf (doc), xls, xml, csv, html and more.

- Automatic numbering.

- Library of devices from leading manufacturers from many industries.

- Editing commands that allow to perform various editing operations, including: editing objects, editing attributes and inserting descriptions, mirror, scale, copy, rotate, delete, move, extend, insert alternate view.

- On-line update system.

® CADprofi
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