



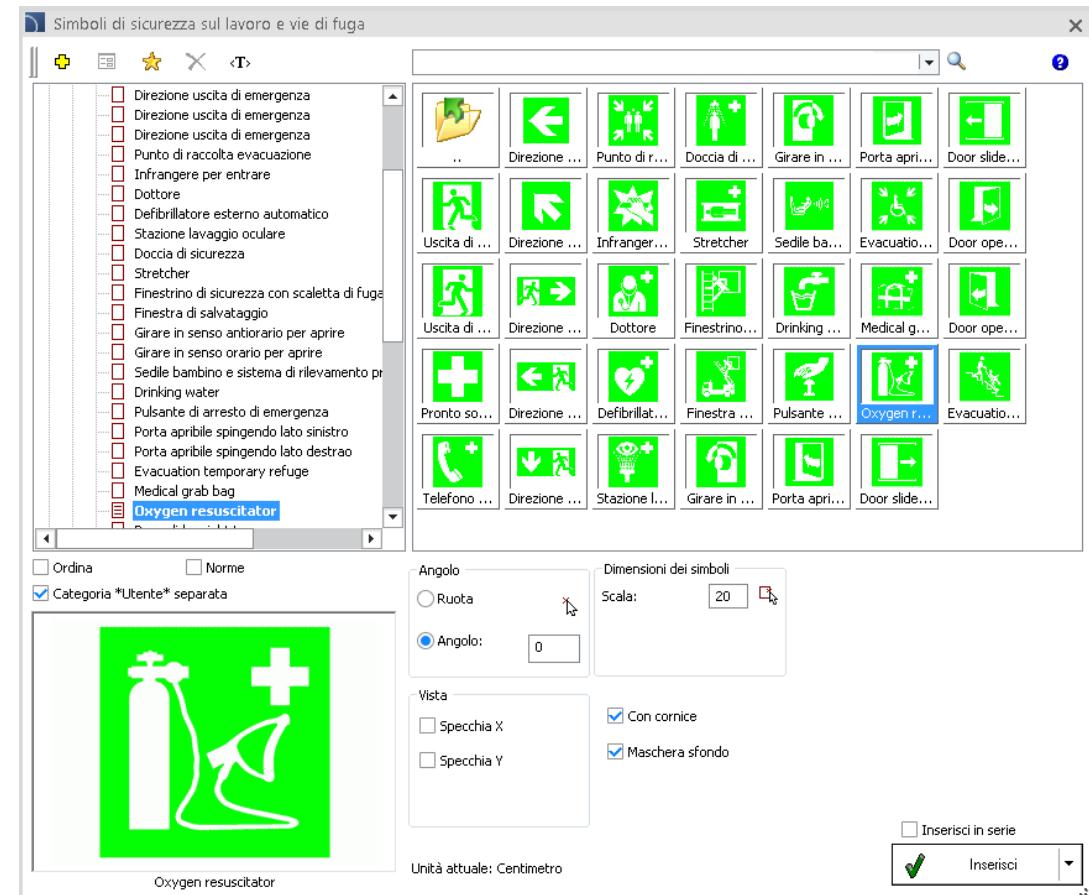
**CADprofi 12.15**



# CADprofi

## ✓ CADprofi Architectural – estensioni alla libreria simboli di sicurezza e pubblica utilità

Nuovi simboli in accordo con lo standard ISO 7010 sono stati introdotti nelle librerie di sicurezza, utilità e evacuazione



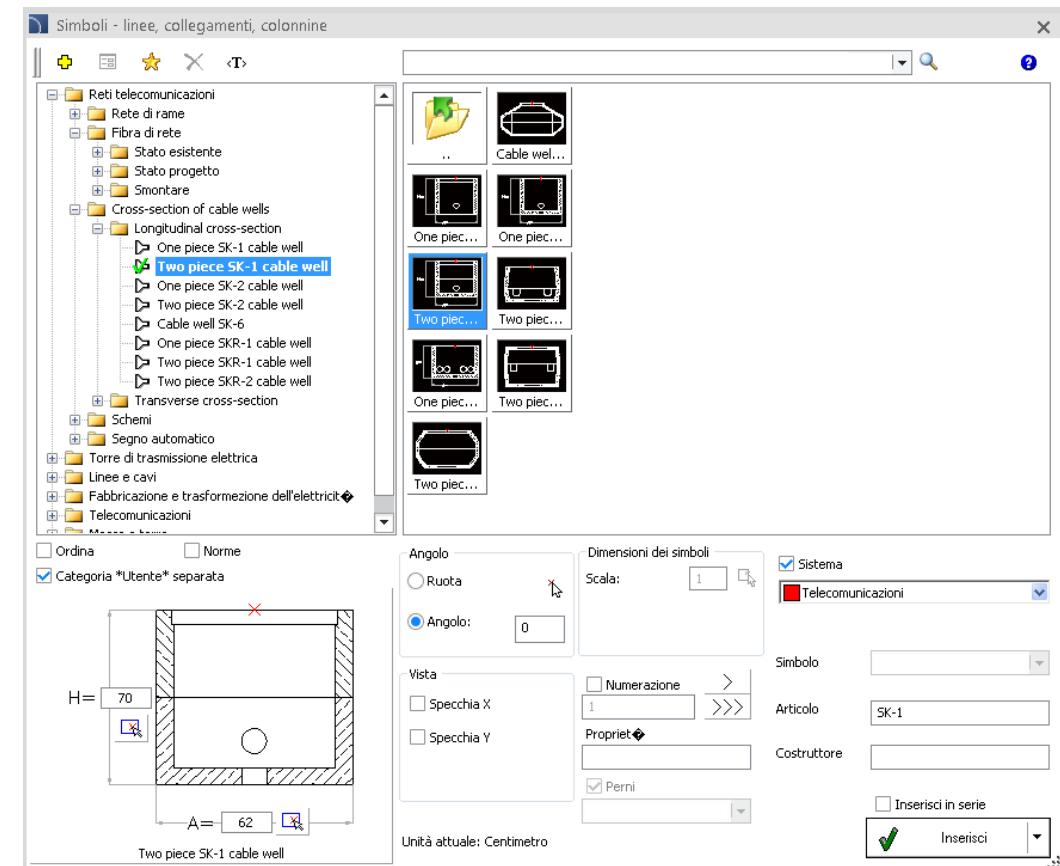
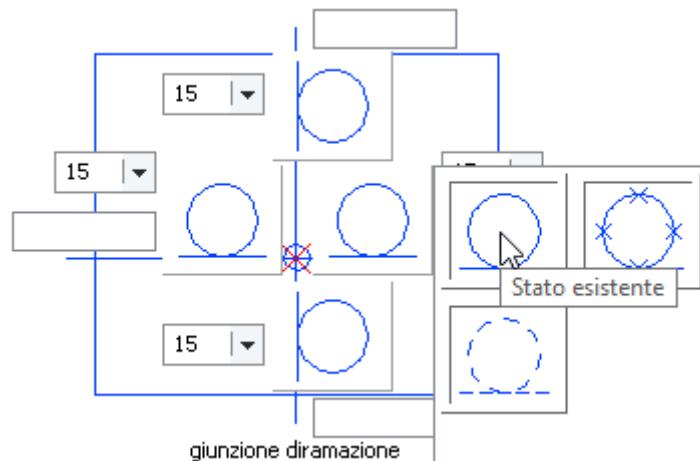


# CADprofi

## ✓ CADprofi Electrical – estensione delle librerie di reti di telecomunicazioni

Nuovi simboli di reti di telecomunicazioni aggiunti alla libreria: pozzi SKR-1 e SKR-2 e derivazioni.

Sono incluse sezioni longitudinali e trasversali dei pozzi.



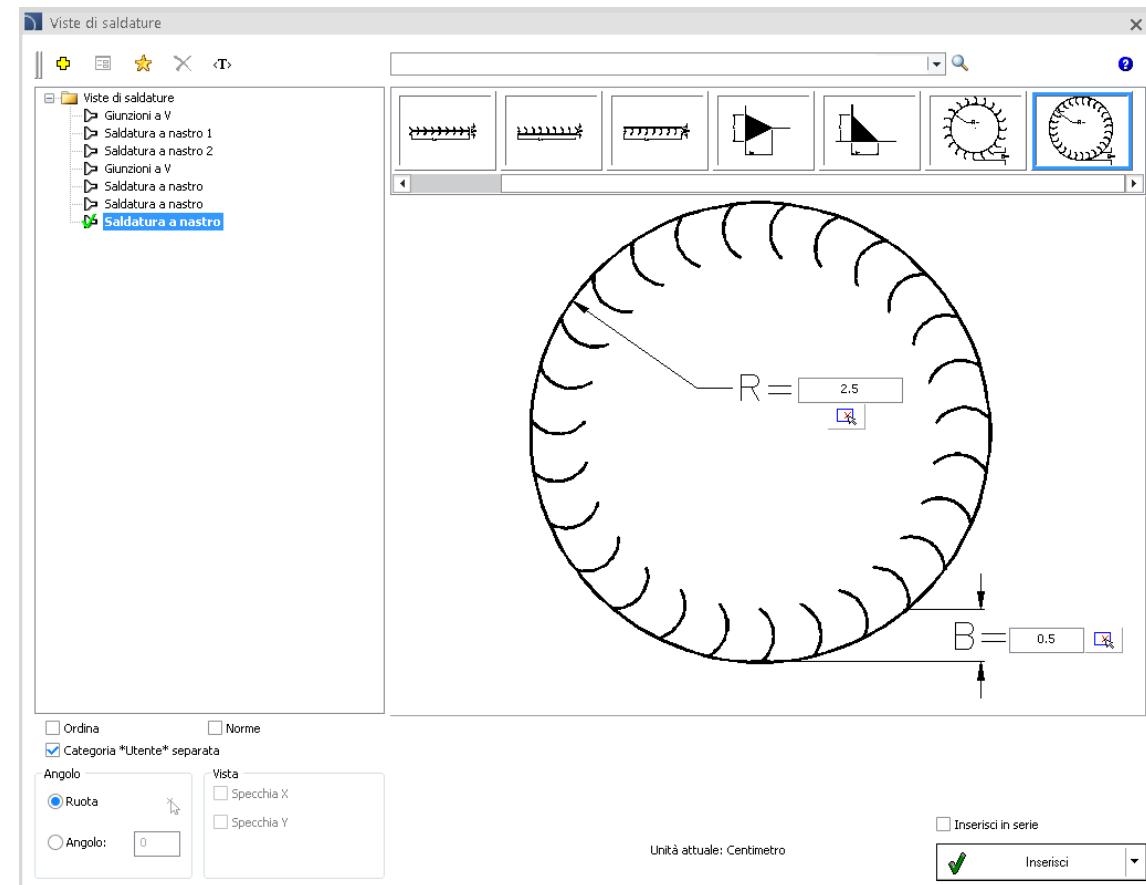


# CADprofi

## ✓ CADprofi Mechanical – ulteriori tipi di viste di saldature

Come richiesto dagli utenti, nuovi tipi di viste di saldature sono state aggiunte alla libreria.

Per ognuna, è possibile definirne le dimensioni.

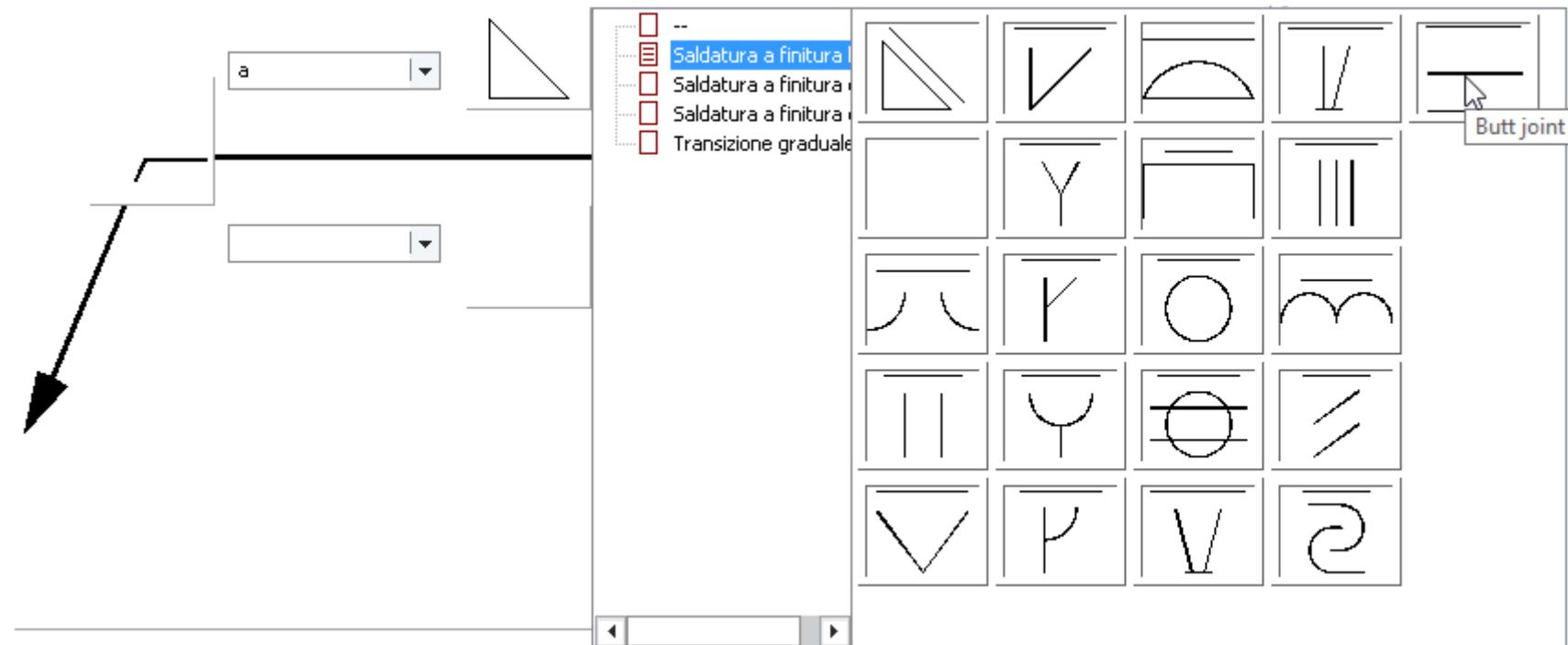




# CADprofi

## ✓ CADprofi Mechanical – nuovo tipo di connessione

Nuovo tipo di connessione (connessione di testa) aggiunto al comando *Simboli di giunzioni*.



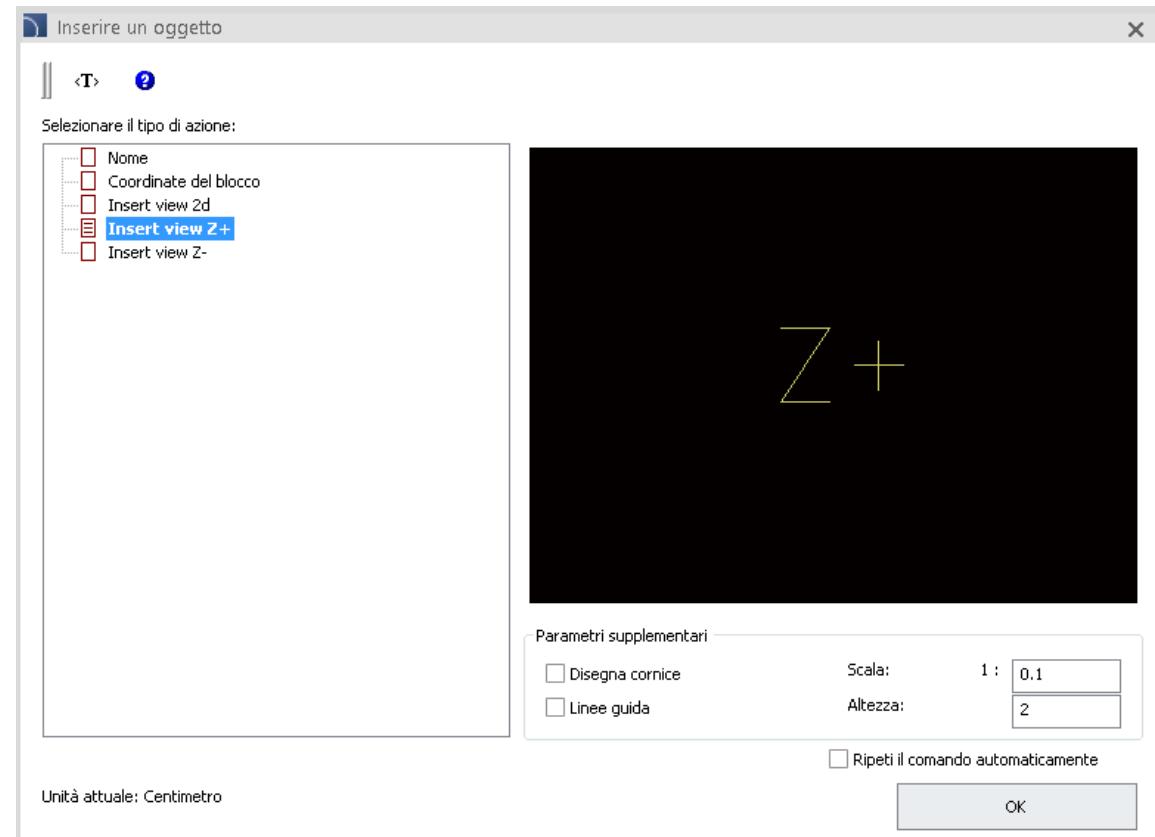
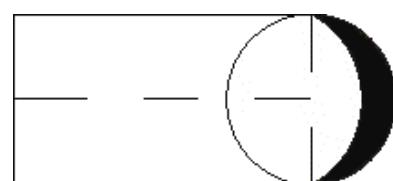
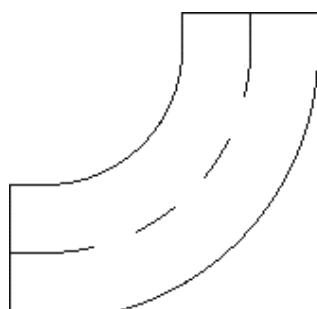


## ✓ Vista alternativa di raccordi 2D



Il comando *Crea vista alternativa* è stato potenziato per gestire raccordi 2D, definite le viste 2D, Z+ e Z-.

Grazie a questo l'utente può facilmente inserire nel disegno la vista del raccordo selezionato come un nuovo blocco.



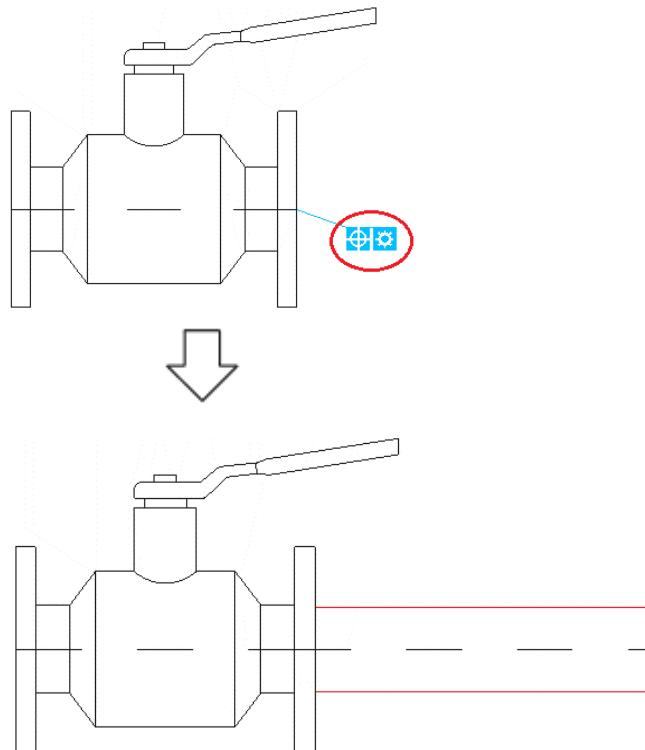


## ✓ Modifica rapida: disegno di parti di linee/tubi dal raccordo, armatura o boiler



Il comando *Modifica Rapida* è stato esteso con la possibilità di disegnare parti di linee/tubi direttamente dall'oggetto selezionato (es: raccordo). Il diametro della linea sarà automaticamente definito dalle dimensioni dell'oggetto selezionato

Il secondo simbolo mostra una finestra in cui è possibile definire tutti i parametri: tipo di impianto, spessore isolamento e diametro.



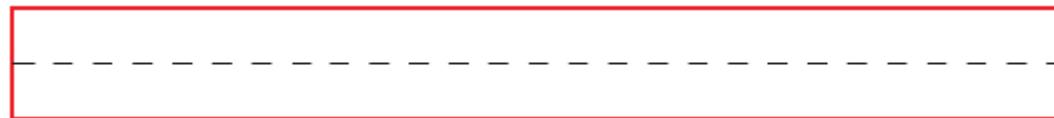
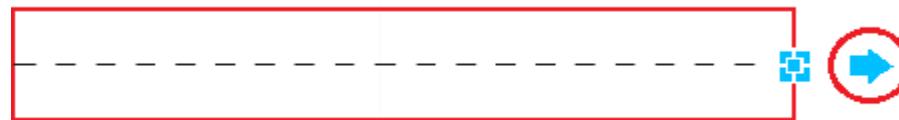


CADprofi

✓ **Modifica rapida: allungamento e stretch di line/tubazioni e profilati in acciaio**



Il comando *Modifica Rapida* è stato esteso con la possibilità di modificare direttamente la lunghezza e la posizione di linee/tubi e profilati in acciaio.

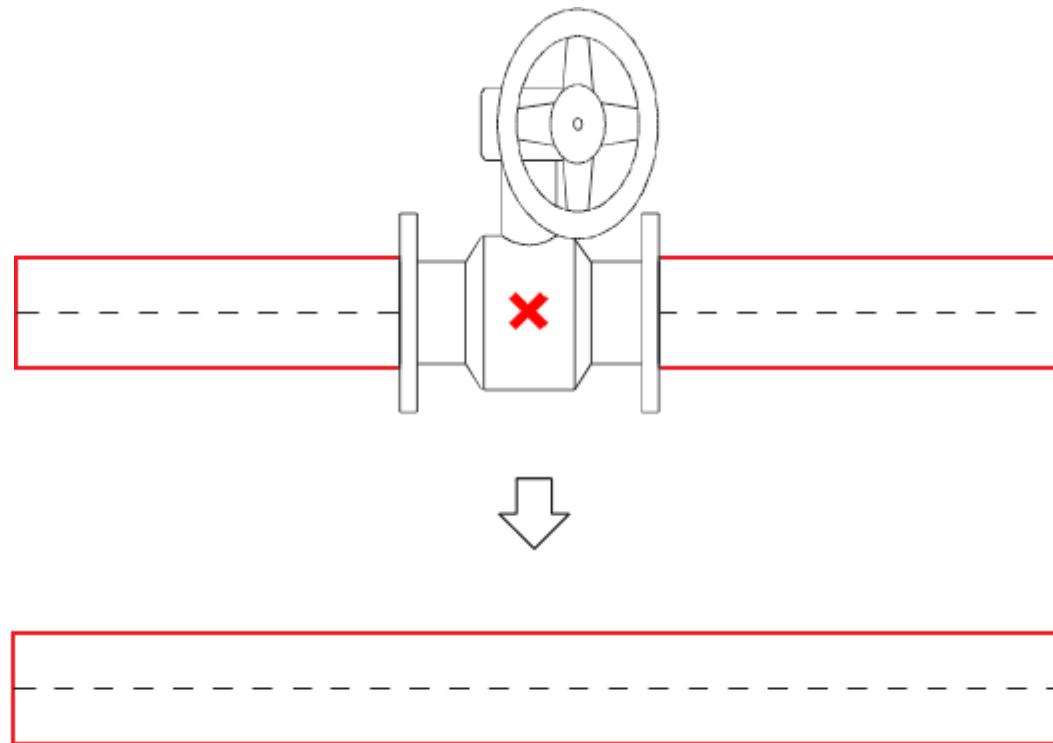




## ✓ Modifica rapida: rimozione di simboli e oggetti



Il comando *Modifica rapida* è stato esteso con la possibilità di eliminare simboli e oggetti dal disegno . In caso di eliminazione di oggetti inseriti in linee/tubi, il software connetterà automaticamente queste linee.

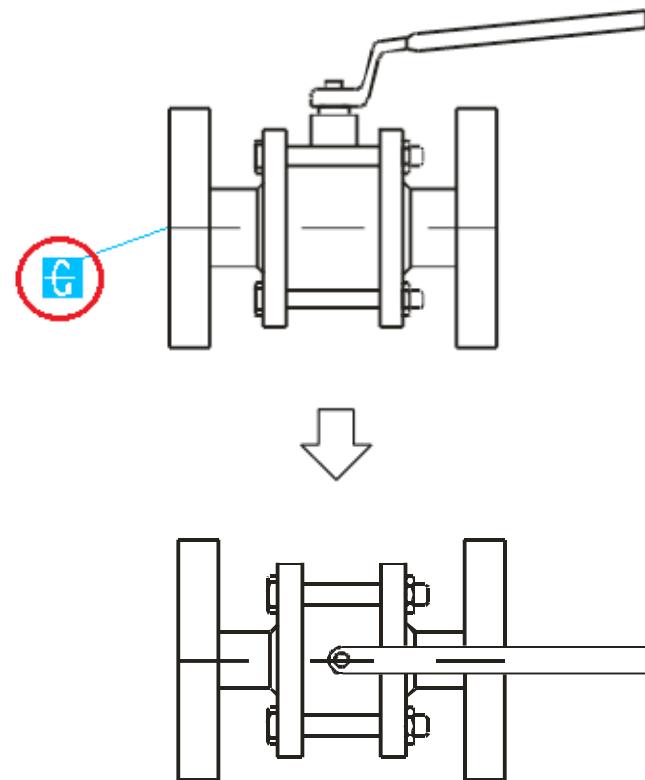




## ✓ Modifica rapida: rotazione dei oggetti lungo l'asse X



Il comando *Modifica rapida* è stato esteso con la possibilità di ruotare gli oggetti selezionati lungo l'asse X , grazie a questo l'utente può facilmente selezionare la vista corretta.

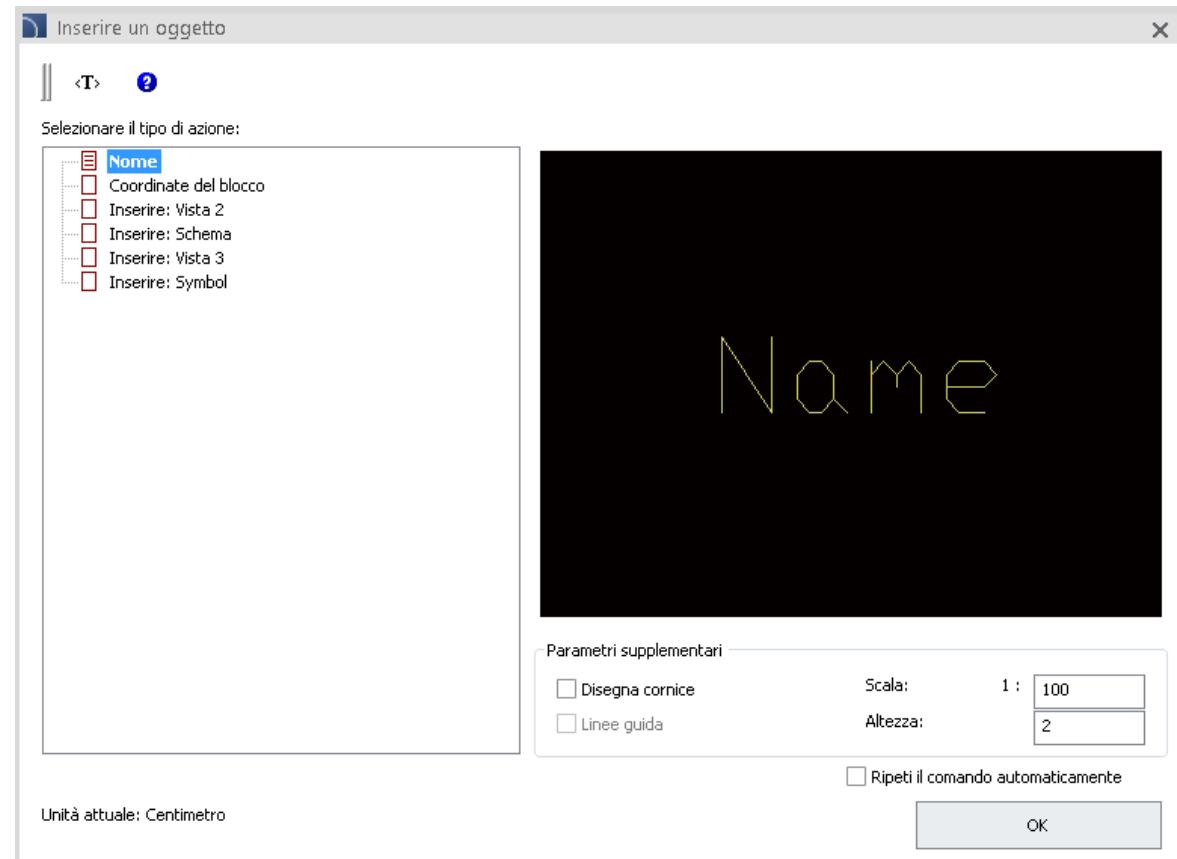
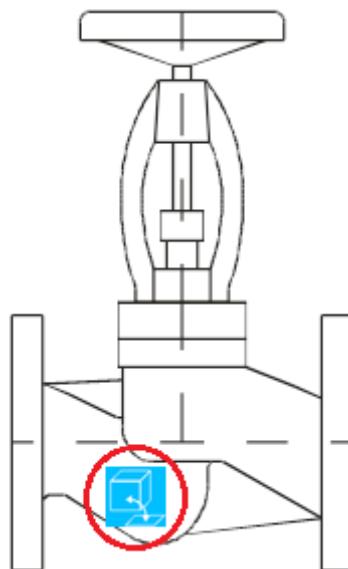




## ✓ Modifica rapida: accesso alla finestra di generazione di viste alternative



Il comando *Modifica rapida* è stato esteso con il simbolo , grazie al quale l'utente può aprire direttamente la finestra del comando *Crea vista alternativa* per l'oggetto selezionato.





**CADprofi**

✓ **Aggiornamenti delle librerie dei produttori:**





# CADprofi

## ✓ Supporto alle ultime versioni dei Programmi CAD

CADprofi 12.15 è stato ottimizzato per supportare le ultime versioni dei programmi CAD, incluso progeCAD 2017, 4MCAD 16, AviCAD 2017, CMS IntelliCAD 8.1, ArCADia 10.

CADprofi 12 attualmente supporta diversi software CAD, tra cui: AutoCAD (versione 2000 e successive), BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD, ARES Commander Edition e altri.

The AutoCAD logo, featuring the word "AutoCAD" in red with a registered trademark symbol.

The ZWCAD logo, featuring the word "ZWCAD" in blue with a green swoosh and a blue plus sign.

The GstarCAD logo, featuring the word "GstarCAD" in blue and yellow with the subtitle "An Alternative CAD System".

The BricsCAD logo, featuring a blue stylized 'B' shape composed of two arrows pointing right.

The progeSOFT logo, featuring a blue globe icon with a yellow 'I' shape in the center, with the word "progeSOFT" in blue below it.

The IntelliCAD logo, featuring a purple diamond shape with a yellow 'I' shape in the center, with the word "IntelliCAD" in purple below it.



**CADprofi**



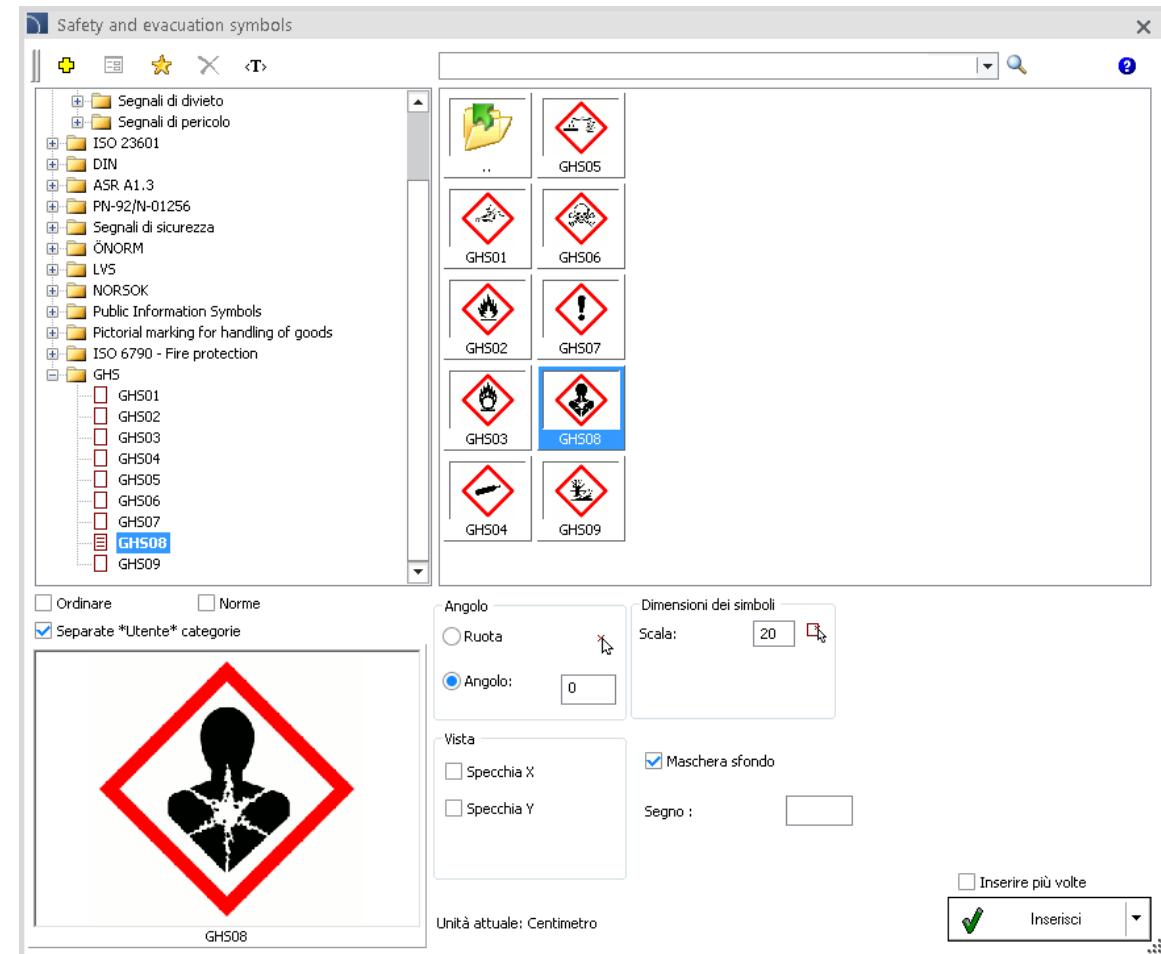
**CADprofi 12.11**



# CADprofi

## ✓ CADprofi Architectural – estesa la libreria dei simboli di sicurezza e vie di fuga

Ulteriori simboli indicanti diversi tipi di pericolo sono stati aggiunti alla libreria.

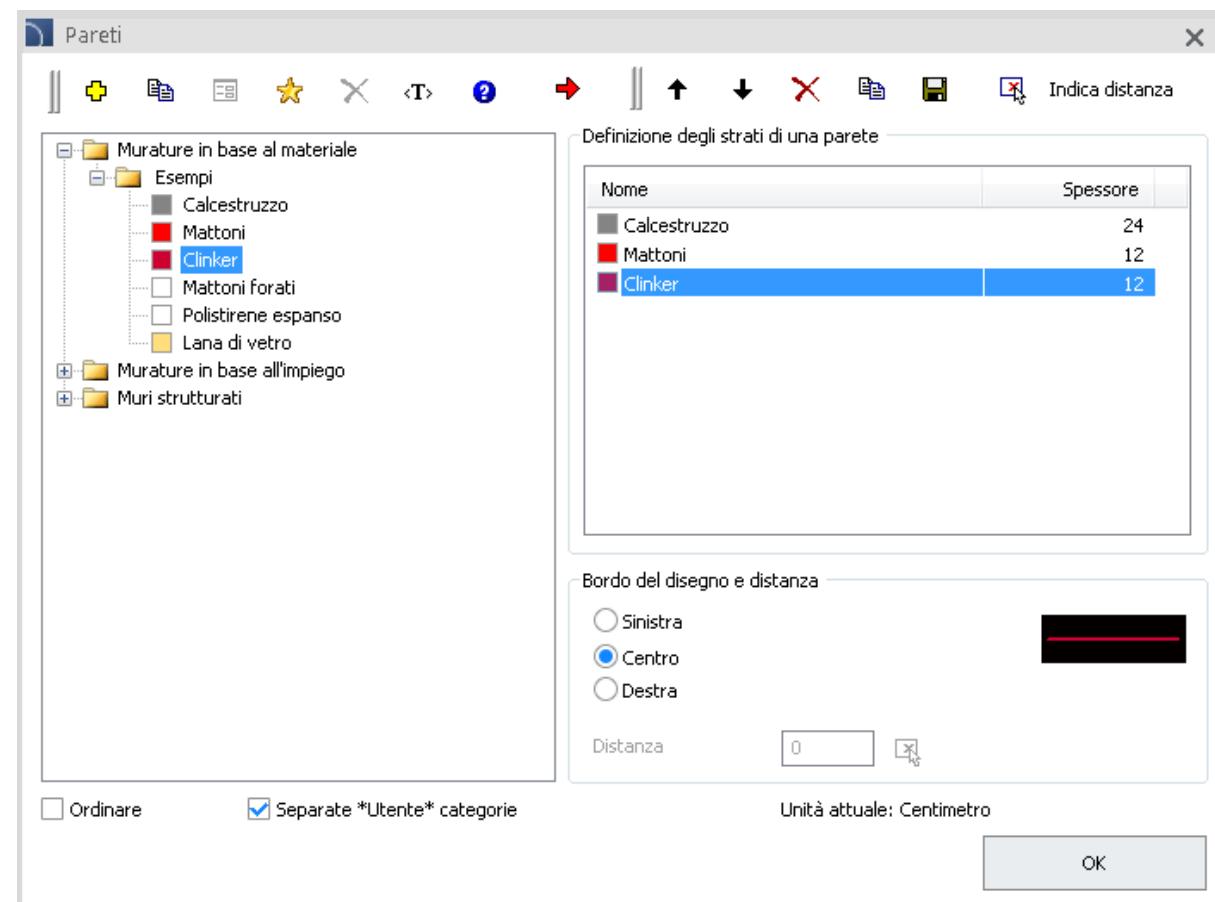




## ✓ CADprofi Architectural – possibilità di definire lo spessore dei muri indicandolo nel disegno

E' stata aggiunta la possibilità di indicare la dimensione della larghezza dei muri indicandola direttamente nel disegno.

Indica distanza



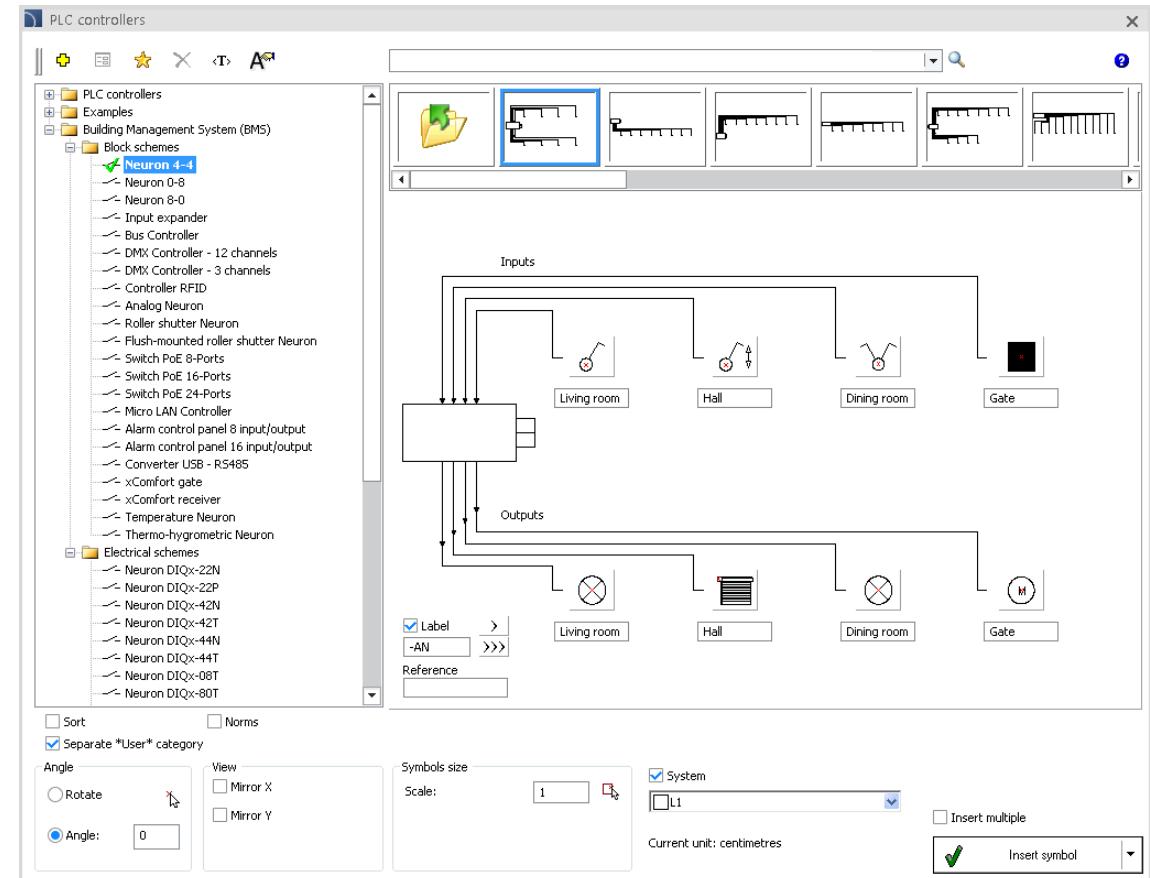
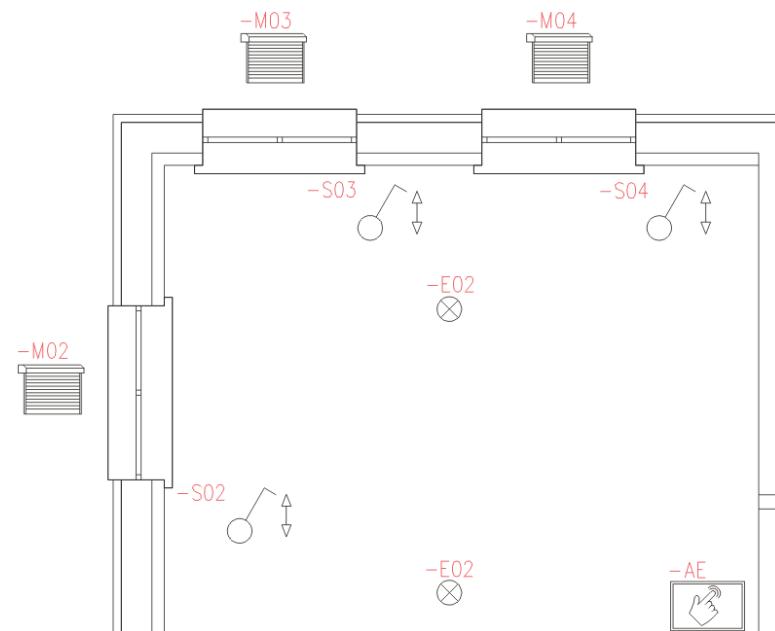


# CADprofi

## ✓ CADprofi Electrical – building management system (BMS) - Domotica

Per BMS si intende un Sistema integrato che permette di monitorare e gestire tutti i sistemi e i dispositivi dell'edificio e in tutti i suoi ambienti.

Nel software l'utente può trovare gli schemi a blocchi, gli schemi elettrici e i simboli dei dispositivi Elettrici usati nella progettazione di edifici intelligenti, tra cui: controllers, pannelli di controllo allarme, converters, ingressi, uscite USB e HDMI, switch PoE, modems, routers, camere, ricevitori etc..





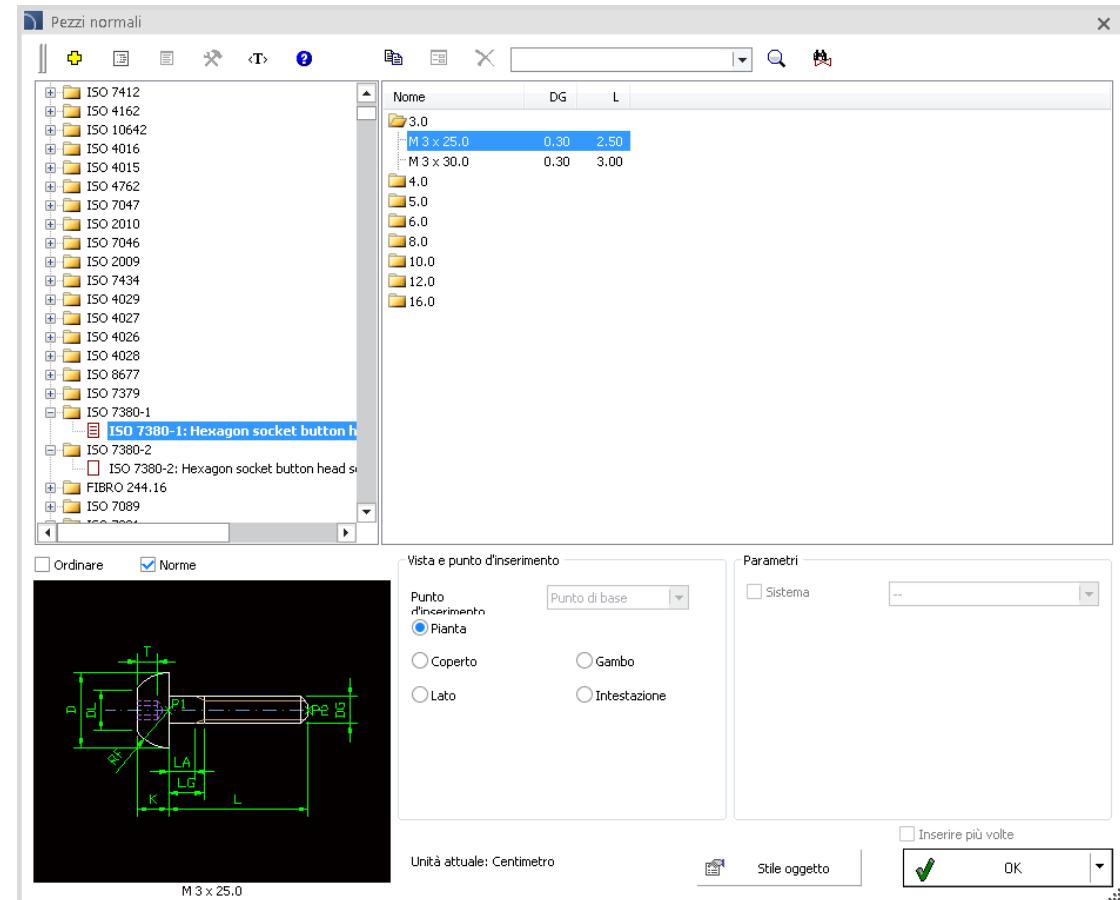
# CADprofi

## ✓ CADprofi Mechanical – simboli ISO aggiuntivi

Sono stati aggiunti alla libreria elementi standard aggiuntivi, tra cui viti a testa esagonale (ISO 7380-1 e ISO 7380-2).

Nelle finestre è possibile ora ordinare gli elementi per Standard.

Per ogni elemento, l'utente può definire le proprie misure o espandere il database esistente.





## ✓ CADprofi HVAC & Piping – nuovo comando: *Flange di elementi generali*

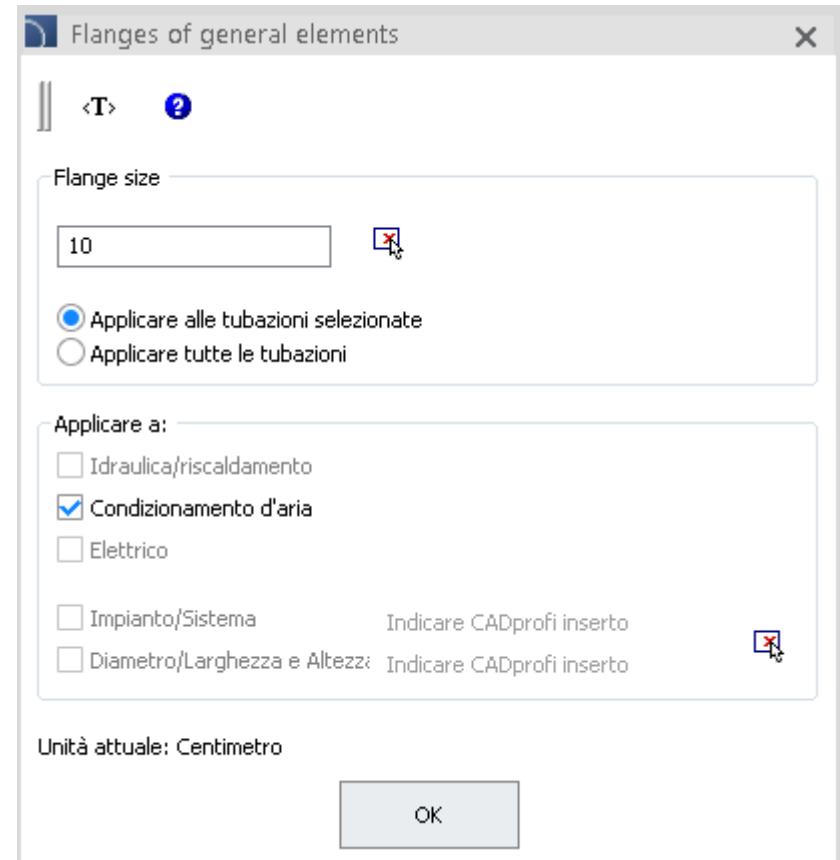
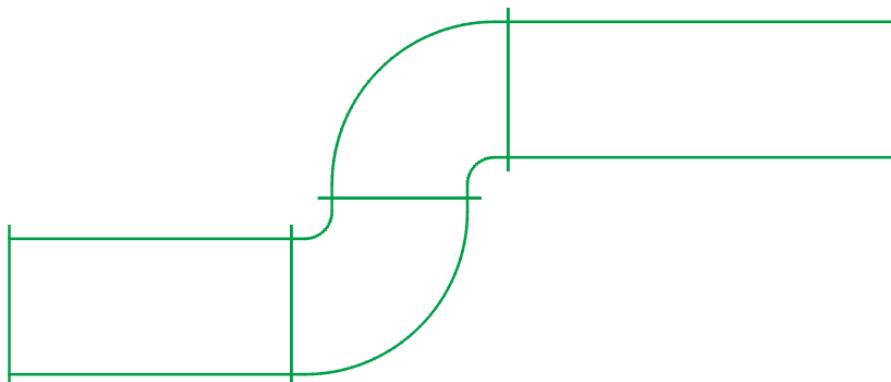


Questo nuovo comando permette di aggiungere flange a condotti e impianti di ventilazione con sezioni trasversali rettangolari.

La possibilità di impostare filtri rende semplice e veloce aggiungere flange sono ad impianti e condotti specifici nel disegno.

L'impianto sarà subito disegnato con le flange.

Per fare questo l'utente dovrà specificare la dimensione delle flange nella finestra *2D Disegna Tratto Canale* o *2D Disegna un tratto di tubazione*





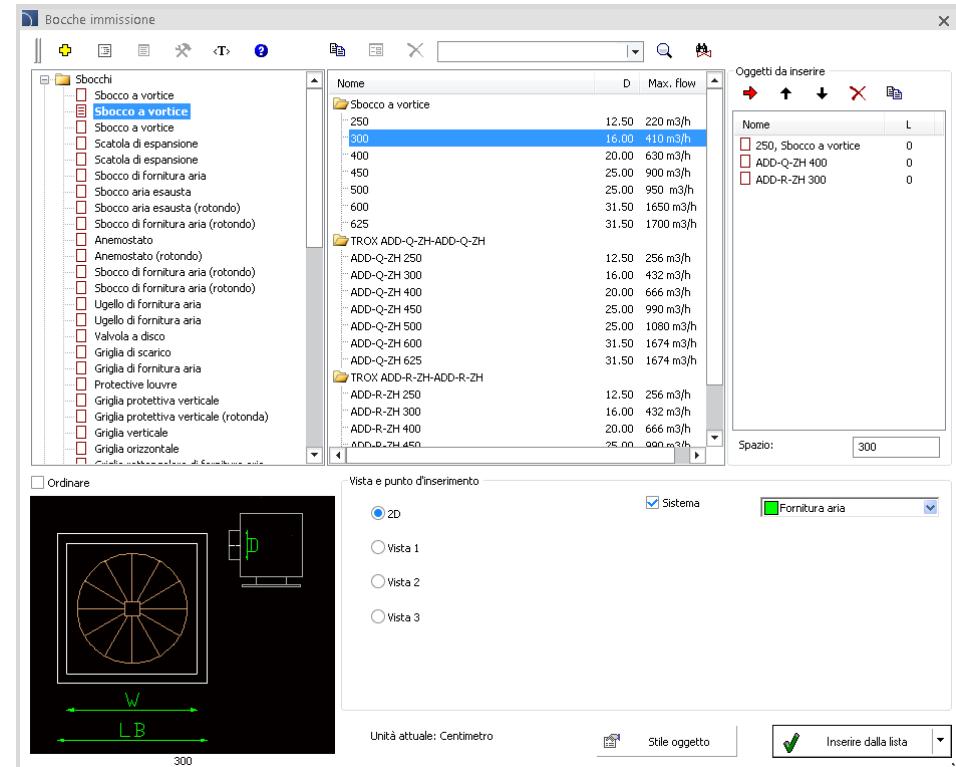
## ✓ CADprofi HVAC & Piping – cambiamenti nel comando *Bocche immissione*



Le possibilità di questo comando sono state estese con:

- Possibilità di inserire gli oggetti da una lista, grazie a cui è possibile inserire nel disegno elementi multipli con specifiche spaziature
- Possibilità di collegare le bocche direttamente con i condotti di ventilazione.
- Possibilità di definire tipi personalizzati di serie, che possono essere liberamente modificati e salvati nel database.

Inoltre sono stati aggiunti i prodotti delle ditte TROX e Alnor.





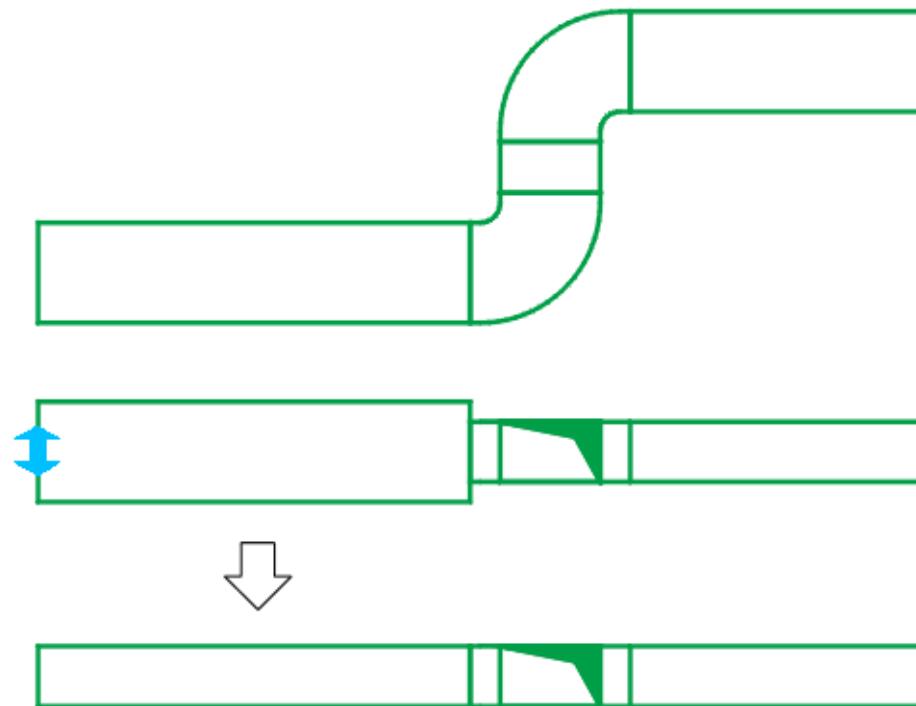
# CADprofi

## ✓ CADprofi HVAC & Piping – modifica rapida di impianti



E' stata aggiunta la possibilità di cambiare la vista di impianti generali con il comando *Edita*.

Questo comando permette di cambiare velocemente la direzione delle condotte dell'impianto o ottenere le sezioni trasversali di elementi singoli alla base della precedente planimetria.

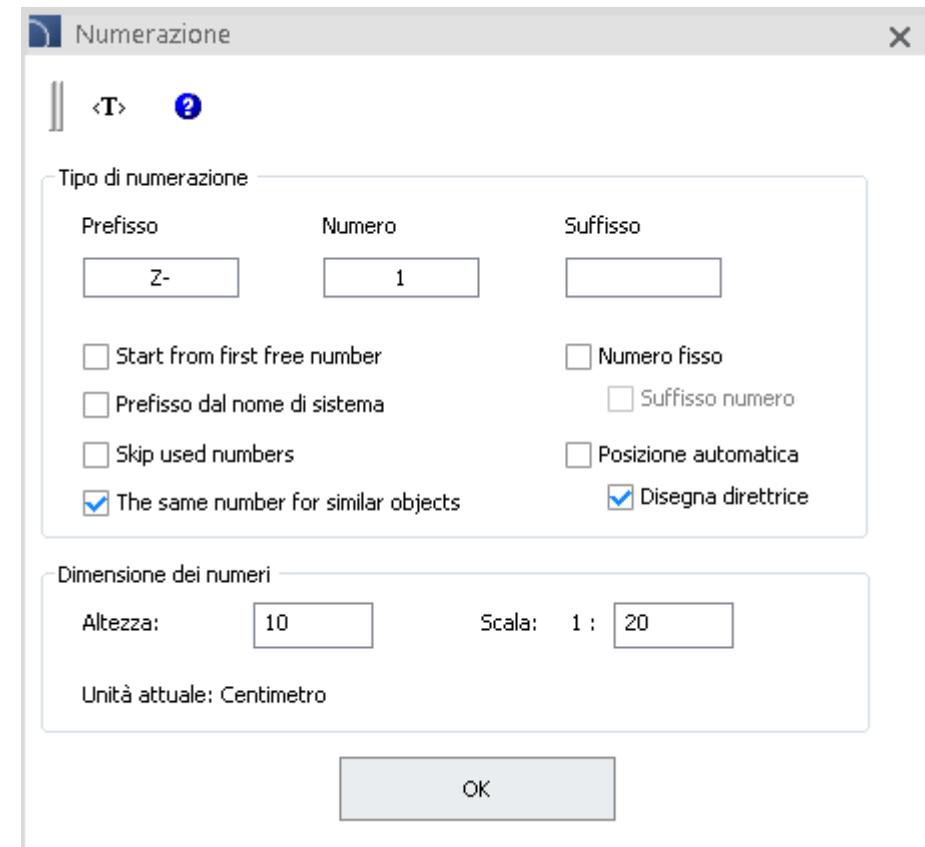
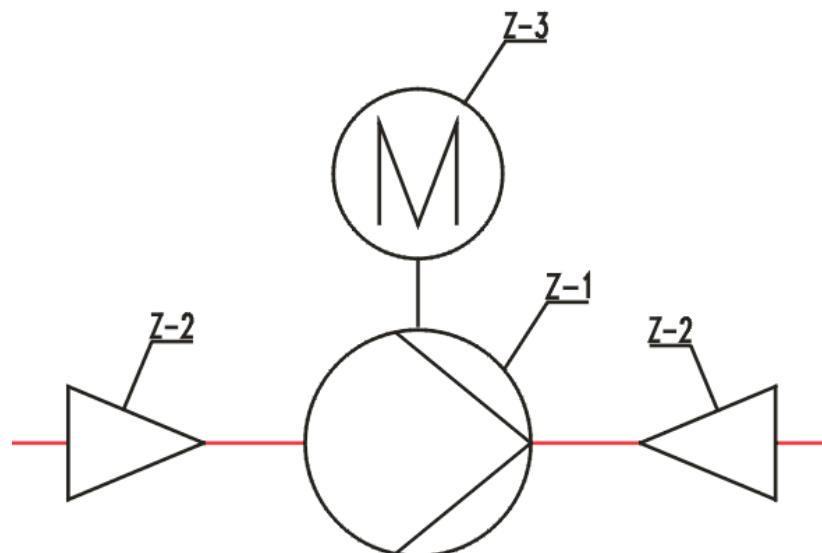




## ✓ Miglioramento del comando Numerazione

Come richiesto dagli utenti abbiamo aggiunto una nuova opzione di numerazione: *Stesso numero per oggetti simili*.

Selezionando questa opzione a oggetti simili, che abbiano stesse dimensioni o dati, verrà assegnato lo stesso numero.



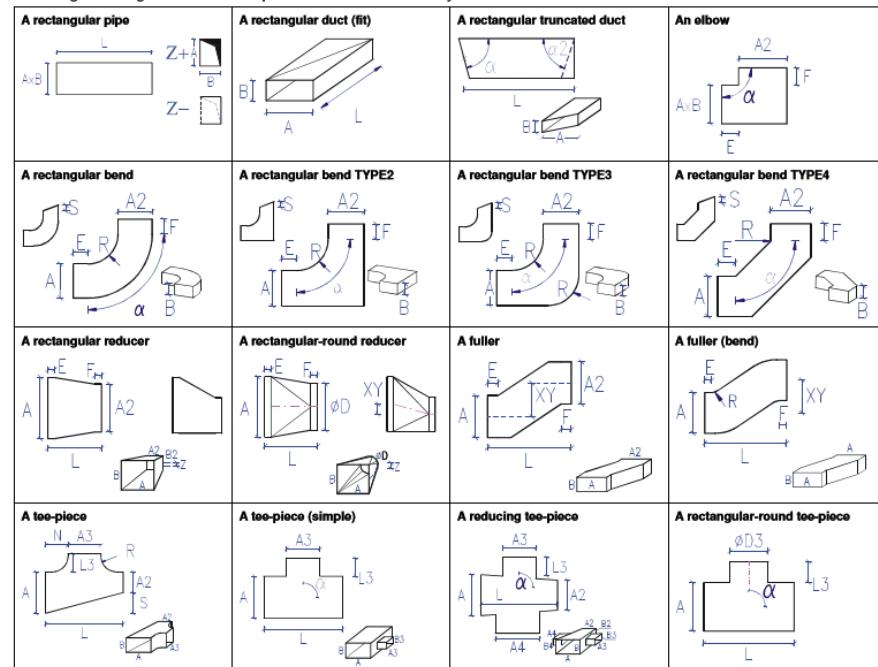


## ✓ Ottimizzazione di diversi comandi

Sono state introdotte novità e miglioramenti in diversi comandi:

- Specifiche – completamento della libreria di raccordi e correzione di alcuni raccordi.
- Simboli aggiuntivi nel modulo Electrical.
- Correzione di riempimenti in simboli in isometria.
- Nuovi lati di raccordi che includono il colore dell'impianto (rende più semplice scegliere il sistema appropriato).
- Ottimizzazione della velocità nell'isolamento multiplo di condotti e raccordi.
- Nuova versione della documentazione on-line funzionante direttamente nel browser.

Rectangular fittings – an annex to specifications made in CP-System





# CADprofi

✓ Aggiornamenti delle librerie dei produttori:





**CADprofi**

✓ **Supporto alle ultime versioni dei Programmi CAD**

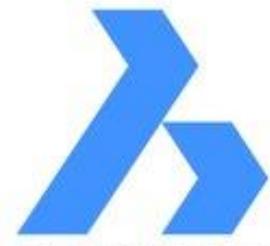
CADprofi 12.11 è stato ottimizzato per supportare le ultime versioni dei programmi CAD, incluso AutoCAD 2017.

CADprofi 12 attualmente supporta diversi software CAD, tra cui: AutoCAD (versione 2000 e successive), BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD, ARES Commander Edition e altri.

**AutoCAD®**

**ZWCAD+**

**GstarCAD**  
An Alternative CAD System

The BricsCAD logo consists of two blue arrows pointing to the right, forming a stylized 'B' shape.  
**BRICSCAD**

The ProgeSoft logo features a yellow 'I' shape inside a blue circle with a geometric grid pattern.  
**progeSOFT**

The IntelliCAD logo consists of a yellow 'I' shape inside a purple diamond shape.  
**IntelliCAD**



**CADprofi**



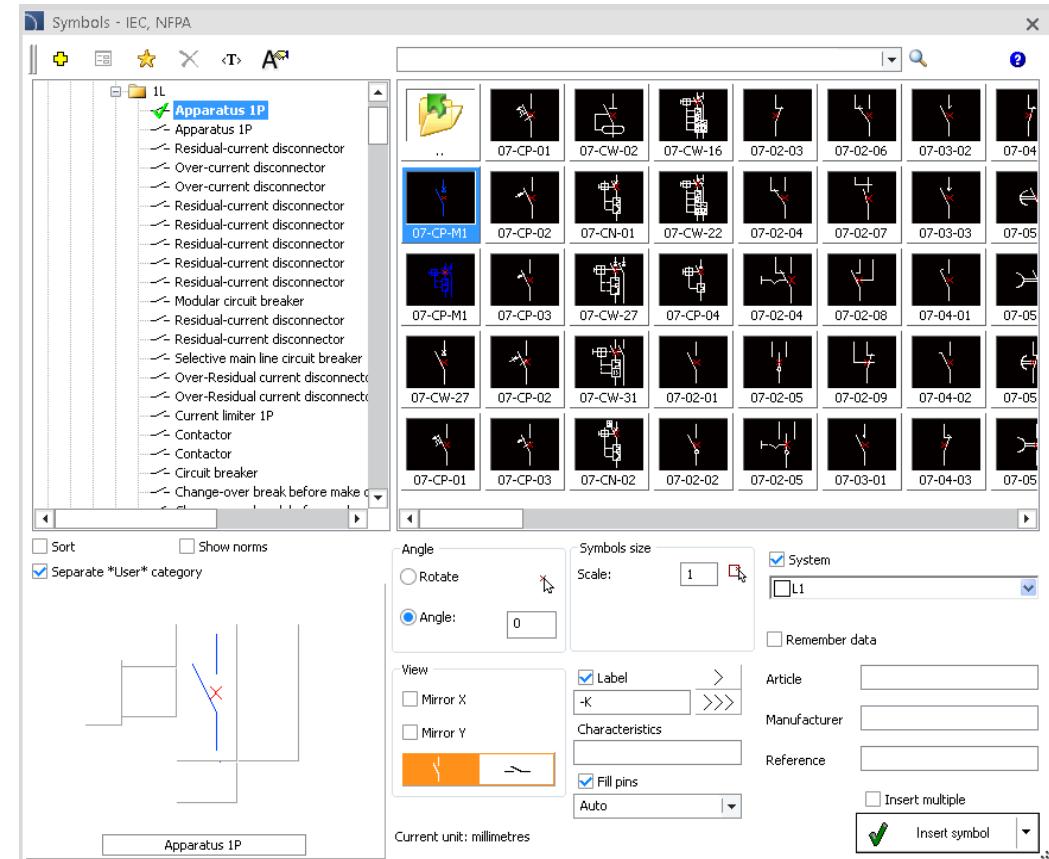
**CADprofi 12.03**



# CADprofi

## ✓ Fast switching between symbols views/variants

A possibility to quickly switch variants or views of symbols has been added to the program. Thanks to this user can easily change the selected symbol (e.g. IEC symbols from the vertical variant to the horizontal variant or furniture views from top view to front view).

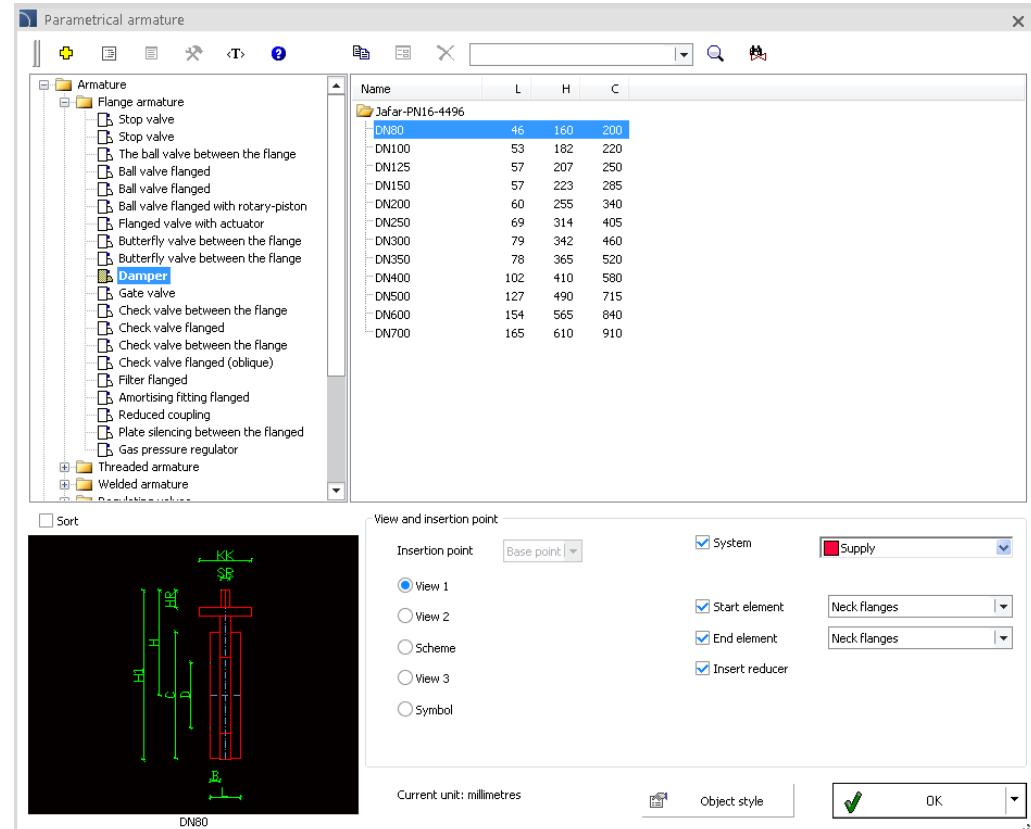




## ✓ CADprofi HVAC & Piping – extension of the armature library

To the library that contains armature views and other devices additional products have been introduced:

- dampers,
- JAFAR company products (e.g. ball valves, non-return dampers and gate valves),
- ZETKAMA company products (e.g. filters).

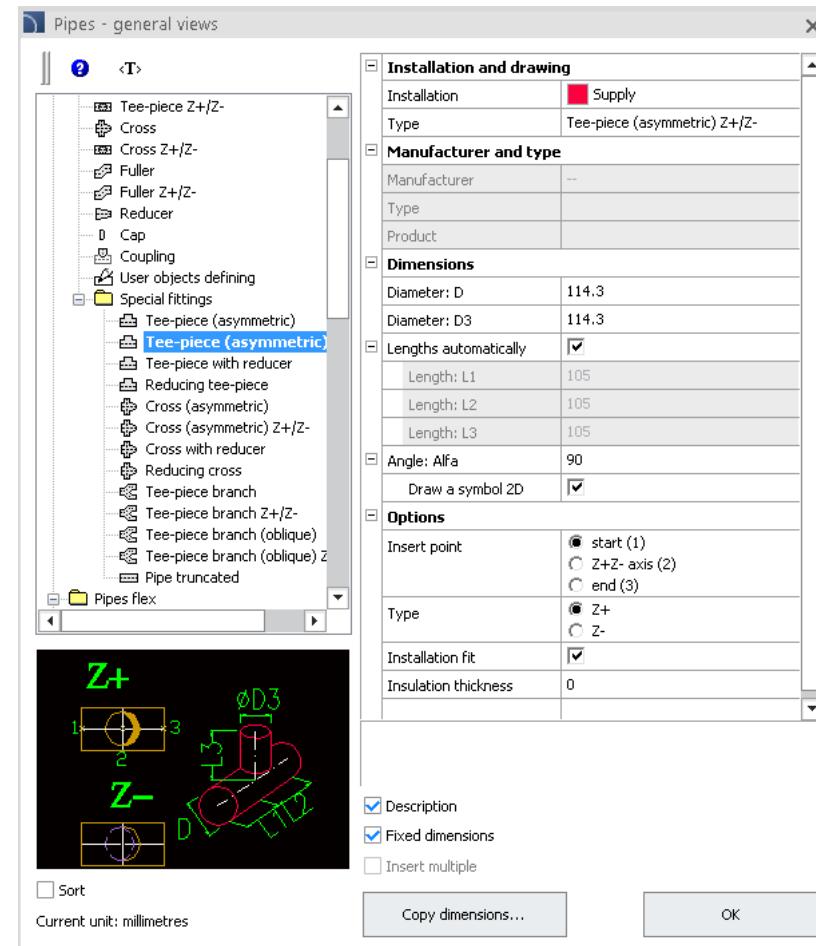




# CADprofi

## ✓ CADprofi HVAC & Piping – additional fittings

Asymmetric tee-piece and asymmetric cross in Z+/Z- views have been added to the *Pipes – general views* command.



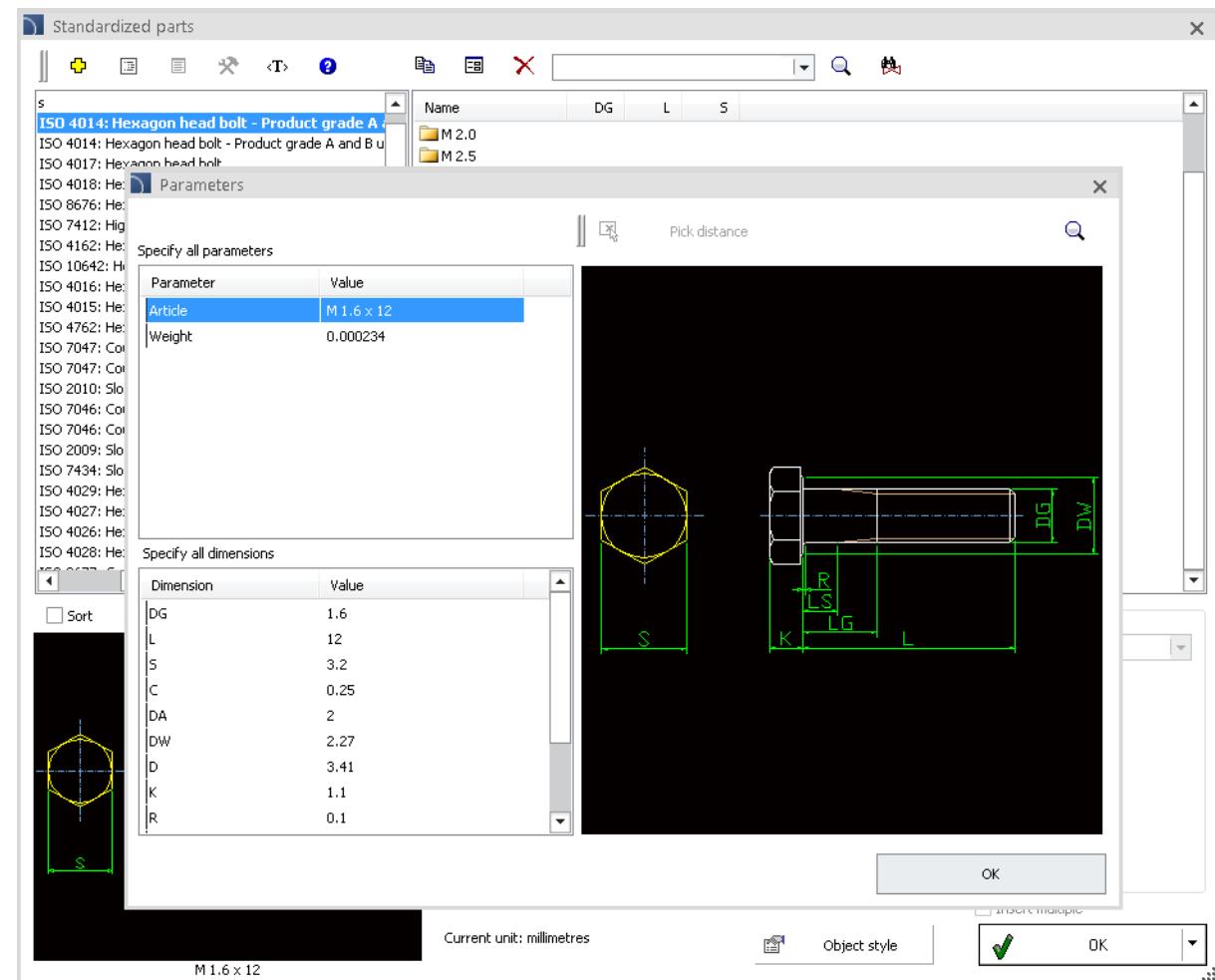


# CADprofi

## ✓ CADprofi Mechanical - possibility to expand the object database with user products

Program contains many object databases with specified parameters. Currently user can use standard type of series, as well as expand the database with his own type of series, which can be freely edited and saved in the database.

It is possible to specify any dimensions and technical parameters for all user elements that have been added to the program.

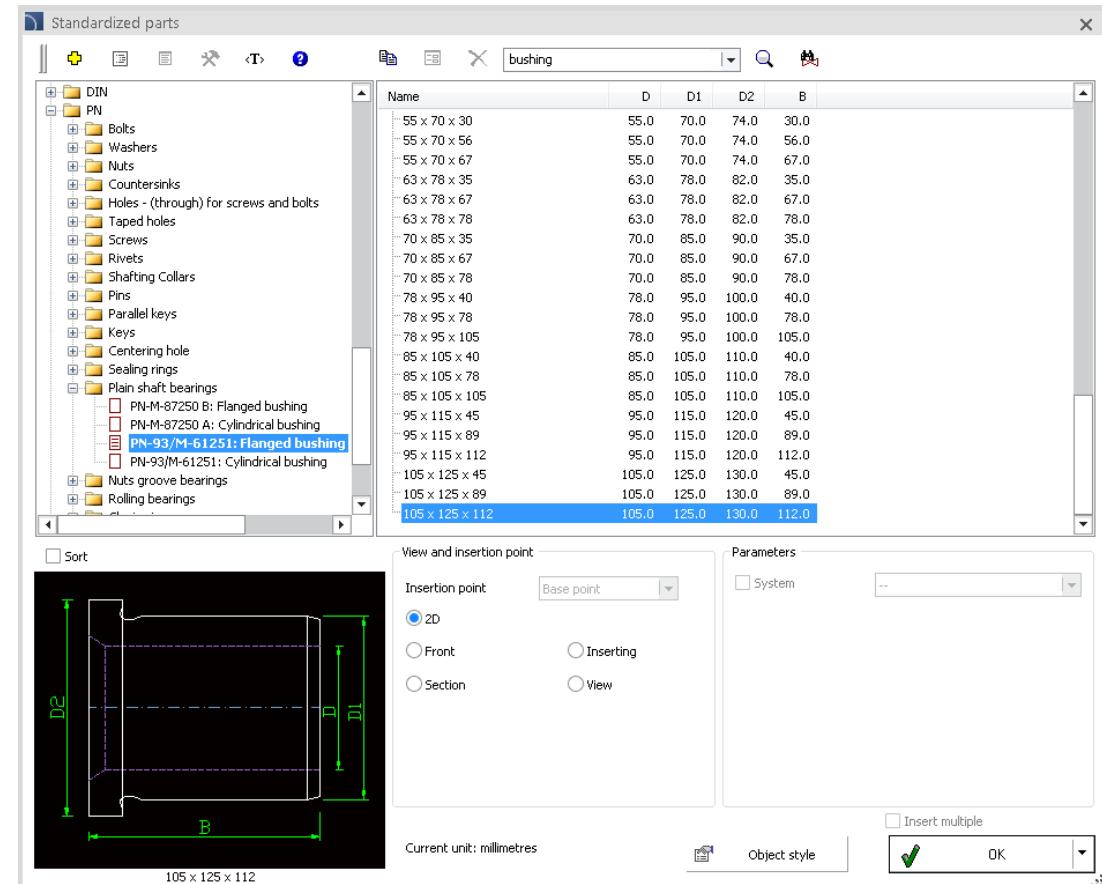




## ✓ CADprofi Mechanical – additional PN, ISO, ANSI and GOST standards

New standardized elements have been added to the program, including:

- Cylindrical and standard bushings.
- Round, square and rectangular structural tubings.
- Square steel bars.
- Steel and aluminium I-beams.
- Steel U-shapes.
- Aluminum T-shape.
- L-shapes with equal and unequal angles.
- Aluminum Z-shape.
- Electrically welded steel tubes, water supply, seamless and cold deformed.
- Seamless hot and cold deformed steel pipes.
- Seamless hydraulic tubes.
- Stainless steel welded pipes.
- Flat, loose plate, neck, blind, hubbed socket and hubbed slip-on flanges.





# CADprofi

✓ **Update of manufacturers' libraries:**





# CADprofi

## ✓ Adjustment to many base CAD programs

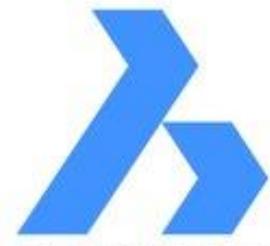
CADprofi 12.03 has been adjusted to work with latest CAD programs, including: GstarCAD 2016, ARES Commander 2016 and CADMATE 2016.

CADprofi 12 currently works with many base CAD programs including: AutoCAD (since the 2000 version), BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD, ARES Commander Edition and others.

**AutoCAD®**

**ZWCAD+**

**GstarCAD**  
An Alternative CAD System

The BricsCAD logo consists of two blue arrows pointing to the right, forming a stylized 'B' shape.  
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**progeSOFT**

The IntelliCAD logo consists of a yellow 'I' shape inside a purple diamond shape.  
**IntelliCAD™**



**CADprofi**



# **CADprofi 12**

Summary of main changes made to the program since the CADprofi 11.01 version.



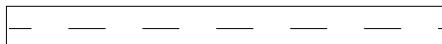
## ✓ CADprofi HVAC & Piping – changes in the drawing of general piping system

In the CADprofi program it is possible to draw pipes in schematic, general or detailed views.

In the *Pipes – general views* command the possibility to draw simplified views of plumbing installations, as well as, piping installations made from copper or plastic was added to the program. This command also allows to draw steel and flex installations.



- Schematic view



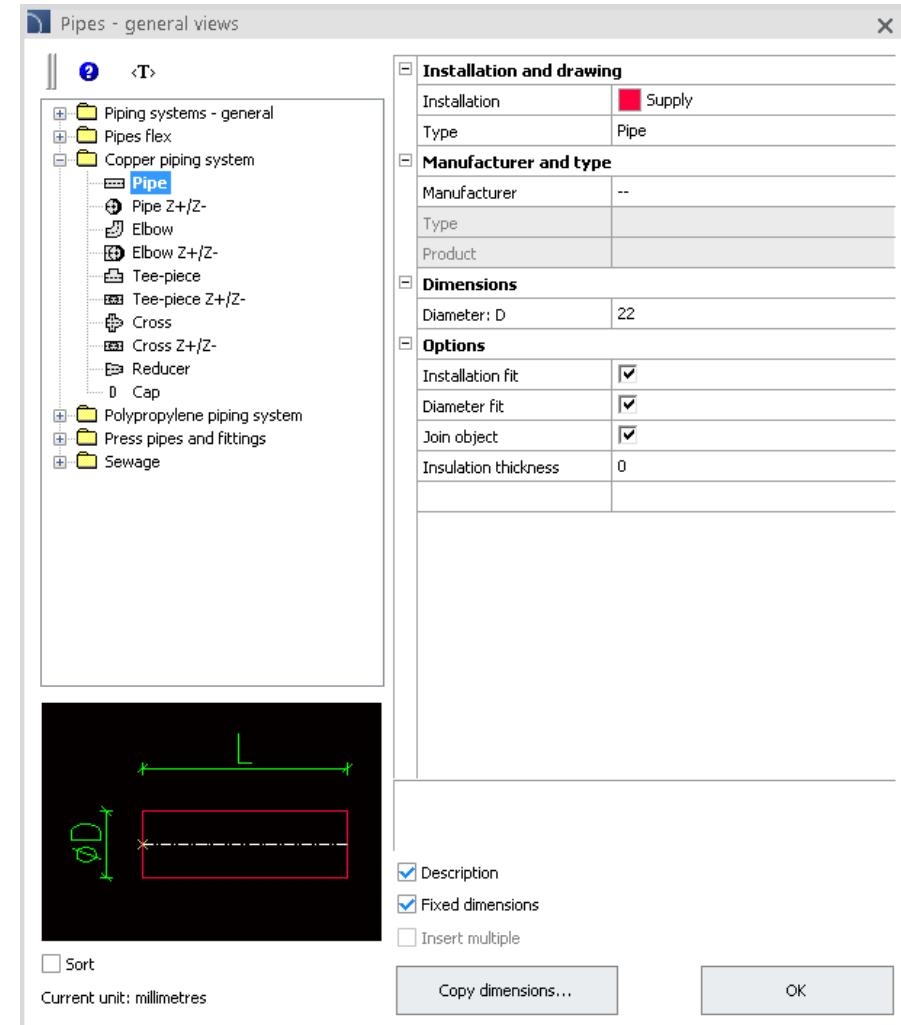
- General view



- Detailed view

Notice:

For welded or butt heat sealed installations general views can be also used as detailed views.

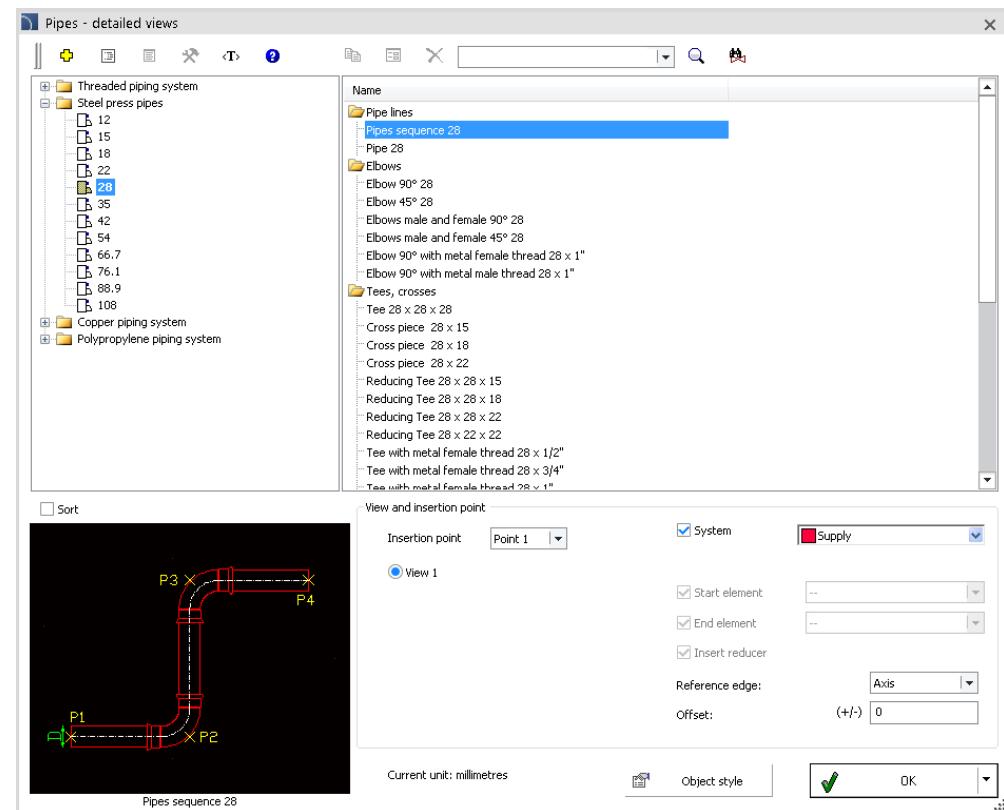
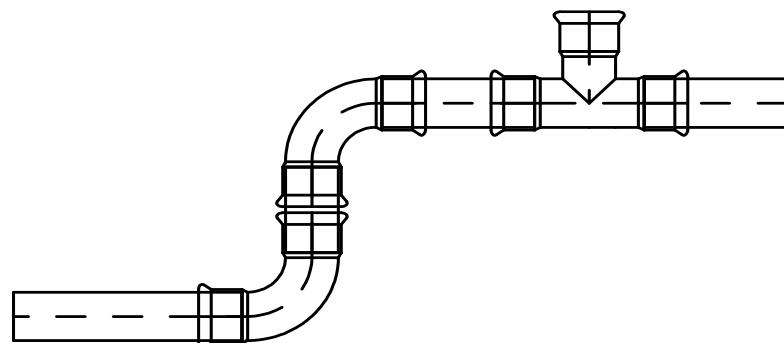




## ✓ CADprofi HVAC & Piping – command *Pipes – detailed views*

This command contains detailed views for threaded, pressed, copper and plastic pipes. In the current program version the data layout has changed. The current data layout is prepared in accordance to the size of pipes, thank to which it is a lot easier to design the installation with a certain diameter, as well as, it is possible to automatically join pipes with elbows and tees.

A system of pressed pipes and fittings for steel pipes which allows for convenient drawing of installations with automatic insertion of appropriate elbows (12 – 108 mm.) has been added to the program. In addition, a possibility to connect this system with other installations (by using the threaded or flanged fittings) has been added to the program.



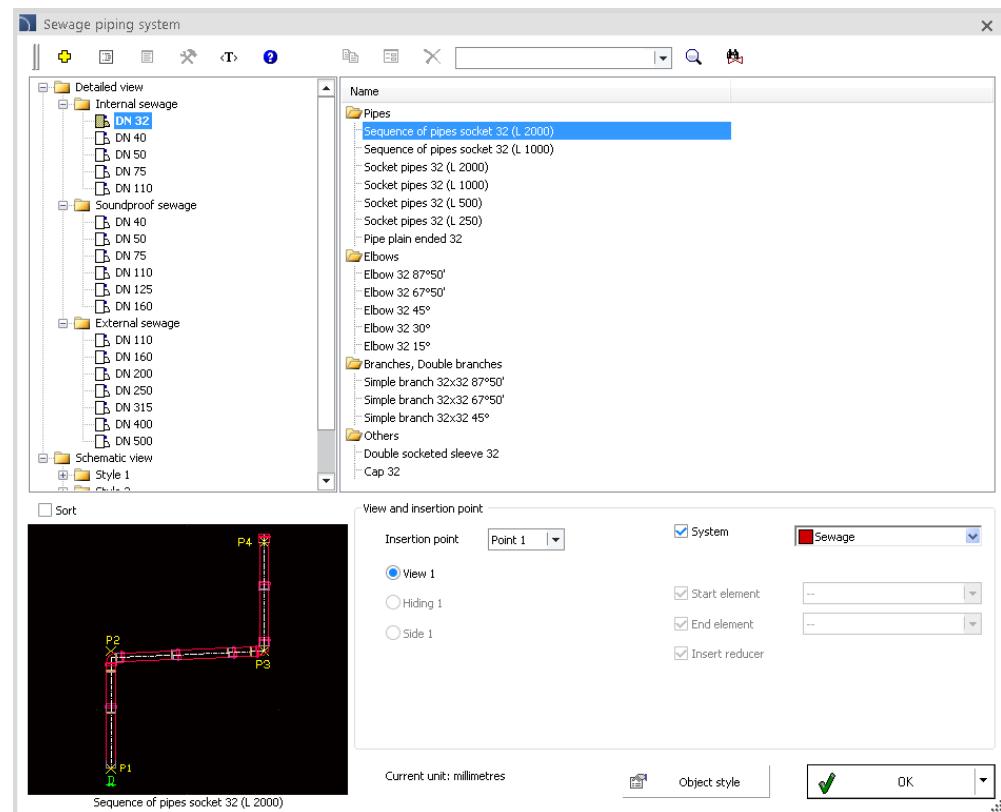
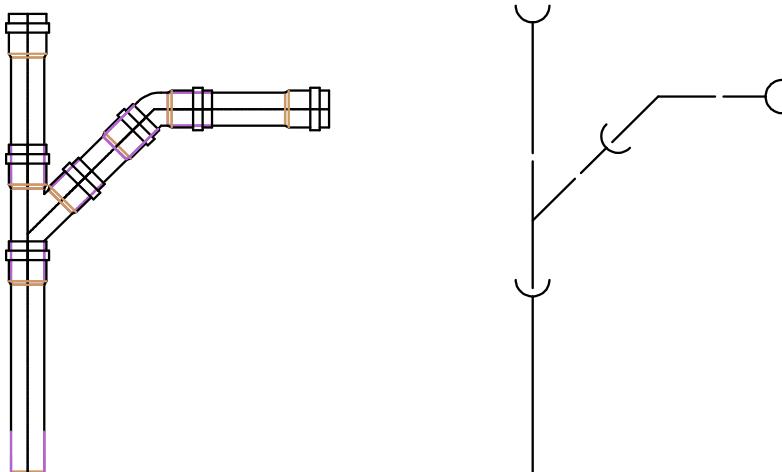


# CADprofi

## ✓ CADprofi HVAC & Piping – new command **Sewage piping system**

A **Sewage piping system** , which allows for convenient drawing of installations for both internal and external sewage with automatic insertion of appropriate fittings (DN32 - DN500) has been added to the program.

Sewage piping system can be drawn in detailed views and in various schematic views.

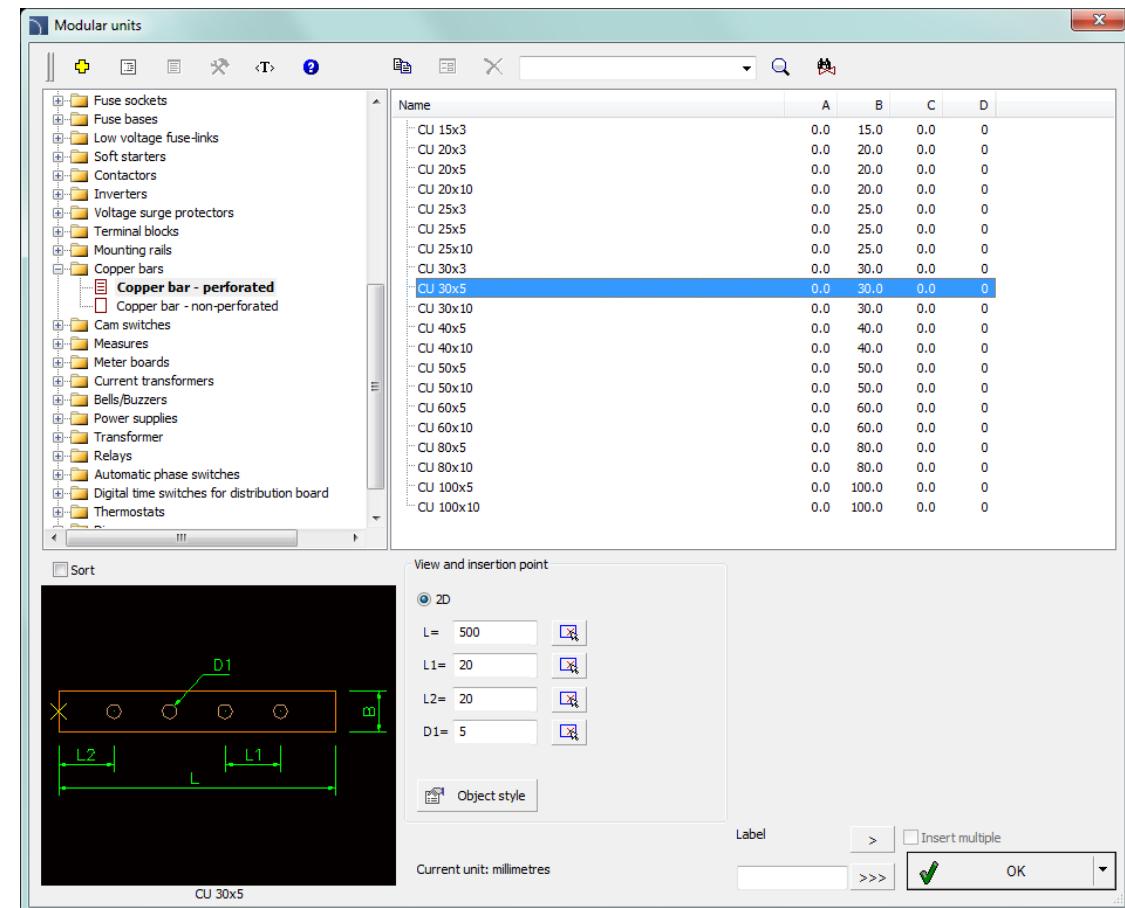




## ✓ CADprofi Electrical – extension of the library of symbols and the modular apparatus

Additional symbols and elements from the modular apparatus has been added to the program, including:

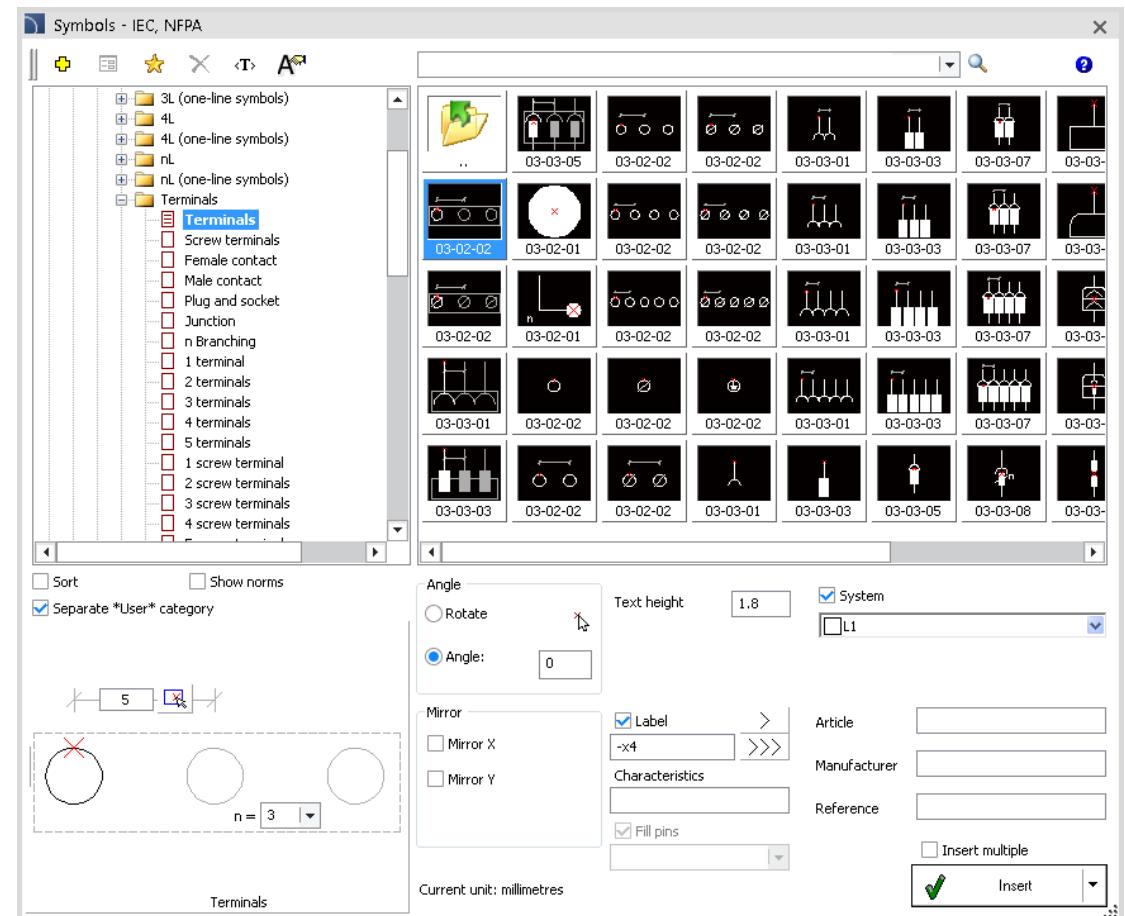
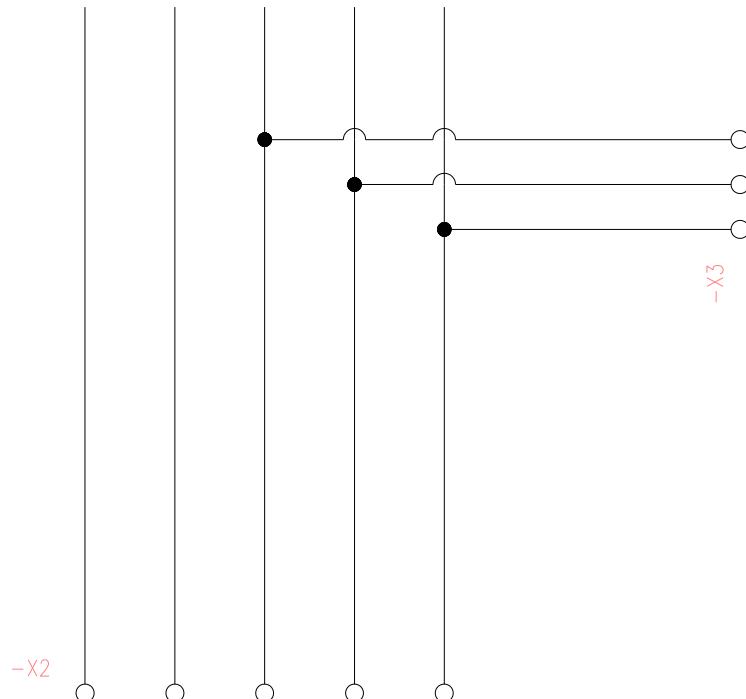
- 1-phase and 3-phase electricity meter.
- Meter and dial boards.
- Mounting rails DIN TH35.
- Busbars.
- Terminal blocks.
- Telecommunication parallel joint.





## ✓ CADprofi Electrical – parametrical symbols of terminals

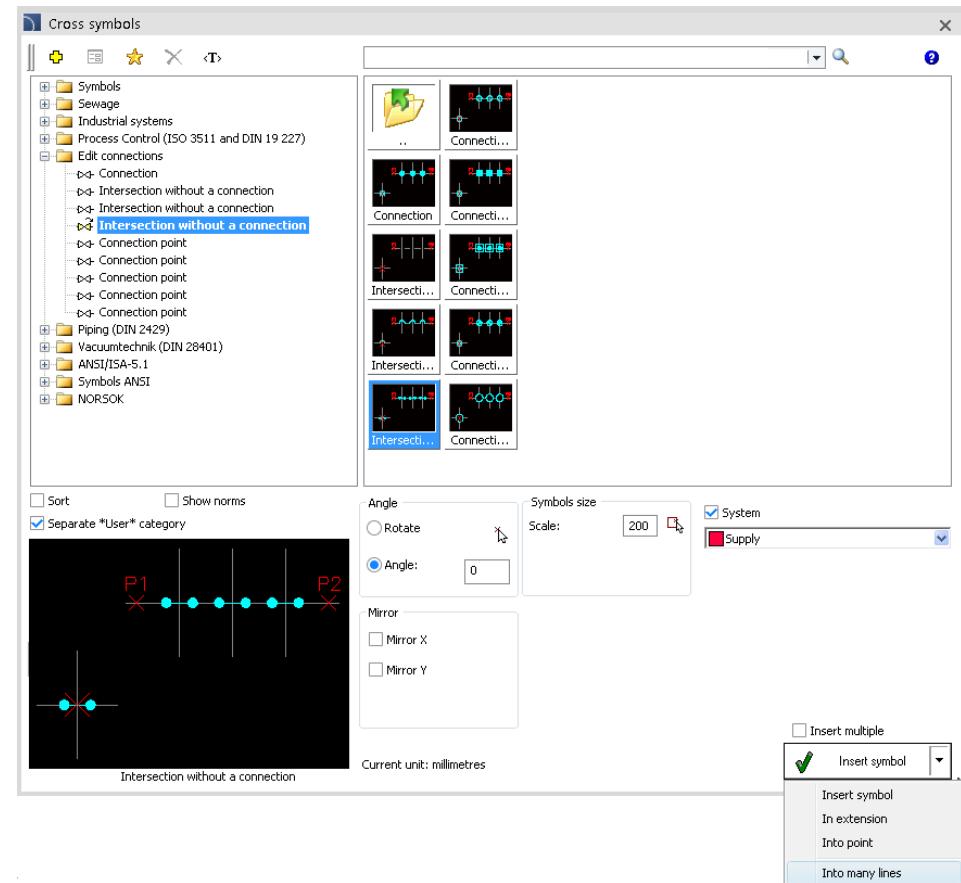
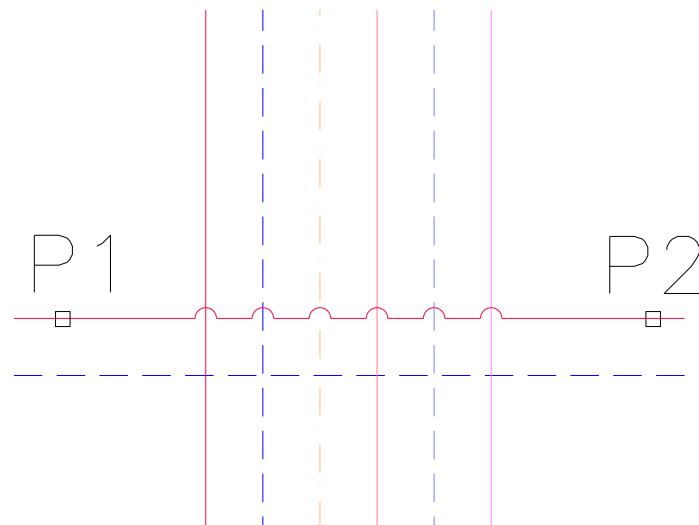
In the new version of the program, symbols of terminals are parameterized so it's possible for example to insert a terminal block with any number of terminals and with any spacing between them.





## ✓ Edition of connections of schematic lines

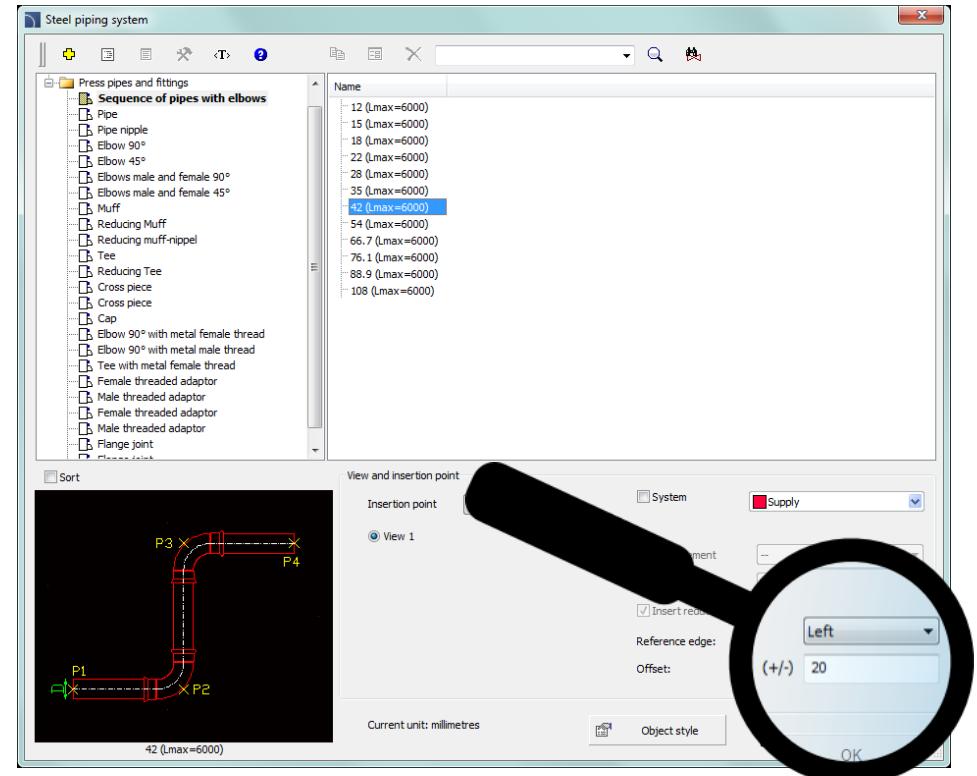
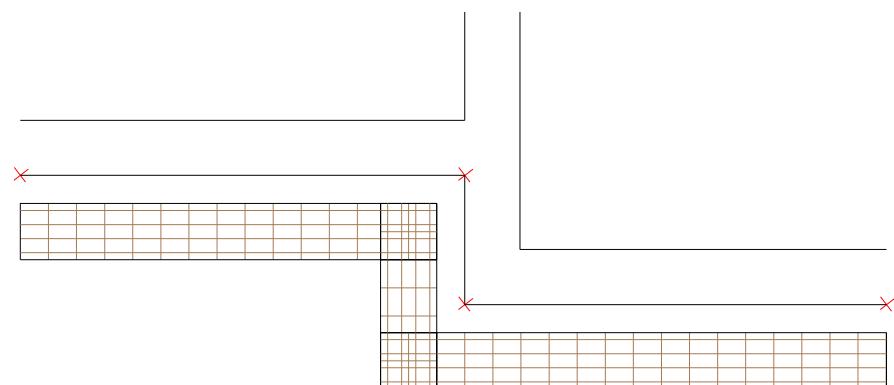
The possibility to easily edit the line intersections has been added to the program. Appropriate intersection symbols "with connection" and "without connection" can be found in the program libraries in the *Edit connection* category. In case of selecting the *Into many lines* option it is possible to quickly edit multiple intersecting lines.





## ✓ Drawing strings of installations with an offset

Until now it was possible to draw installations only along the axis. Currently, the program allows user to specify the reference edge (axis, left, right) and an offset of the drawn string from the actually indicated points. This facilitates the design of such strings along the walls or other installations.

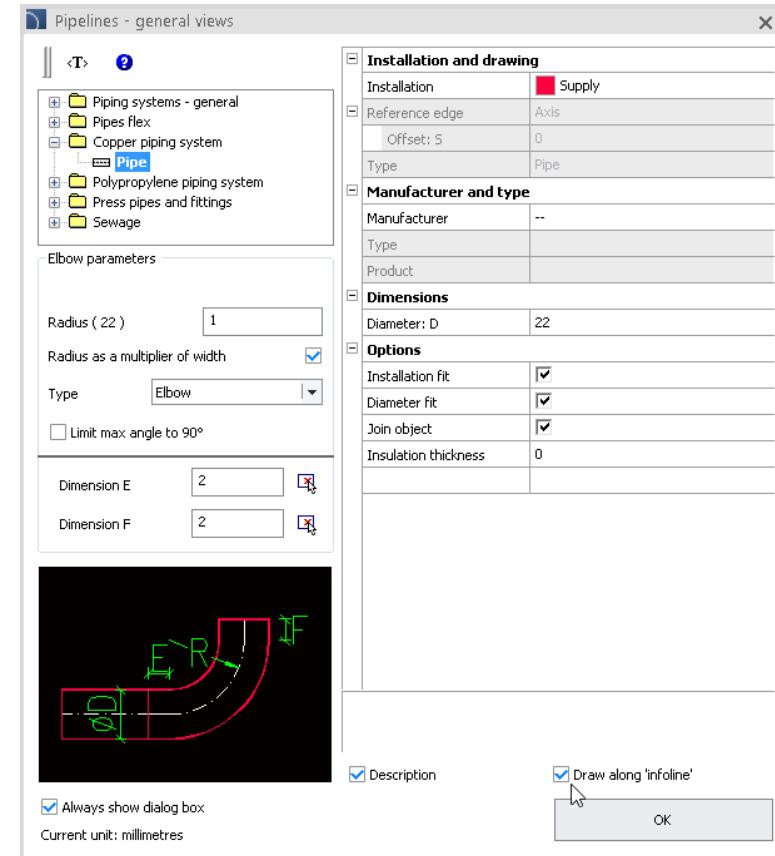
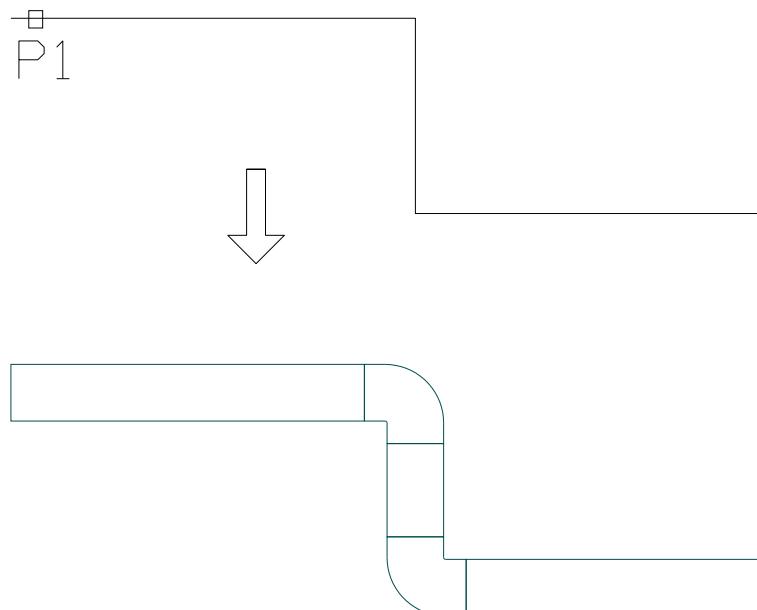




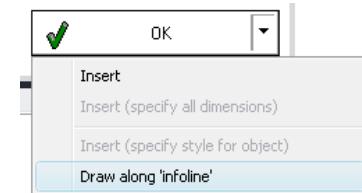
# CADprofi

## ✓ Drawing installations along the 'infoline'

New program version allows to quickly draw installations sequences along the selected „infoline” (polyline or several linked lines). This option is very useful, e.g. in the case of creating detailed technical projects on the basis of initial drawn "single-line". Drawing along the "infoline" is available in various libraries of products, for both general and detailed views for piping installations, ventilation installations and cable routes.



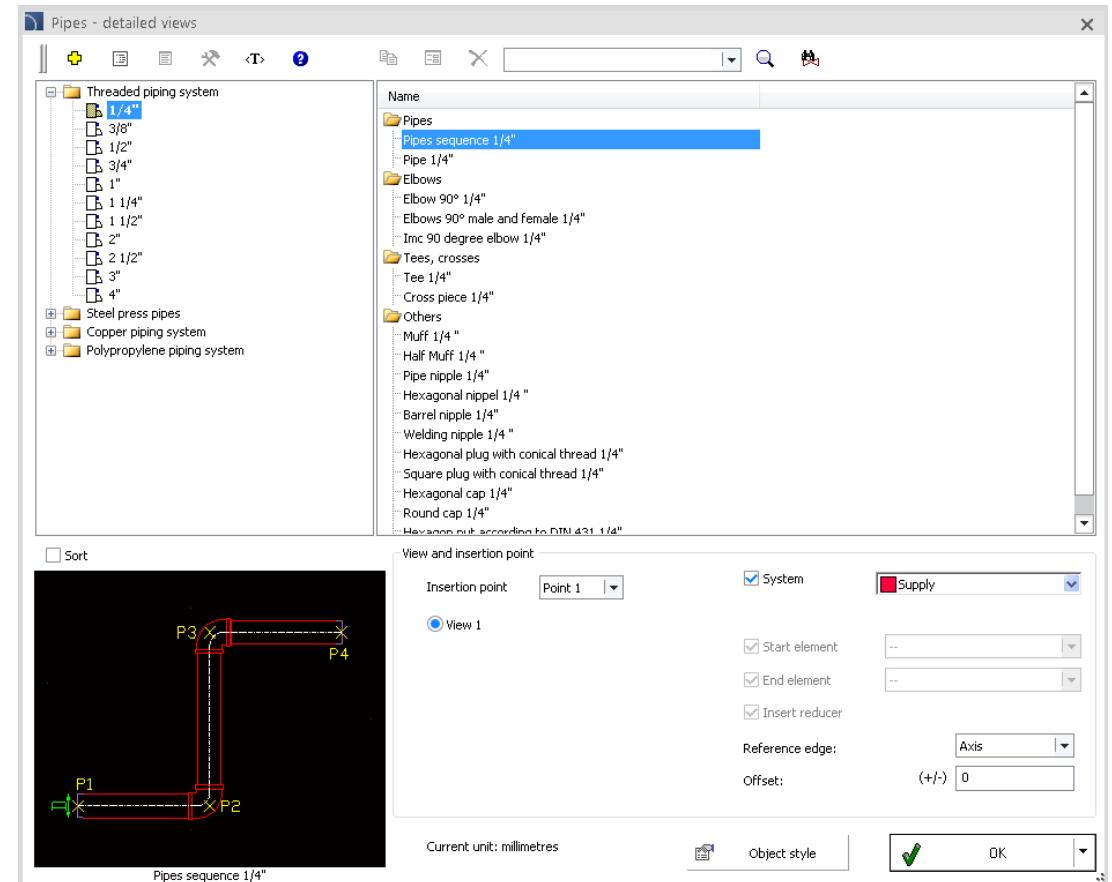
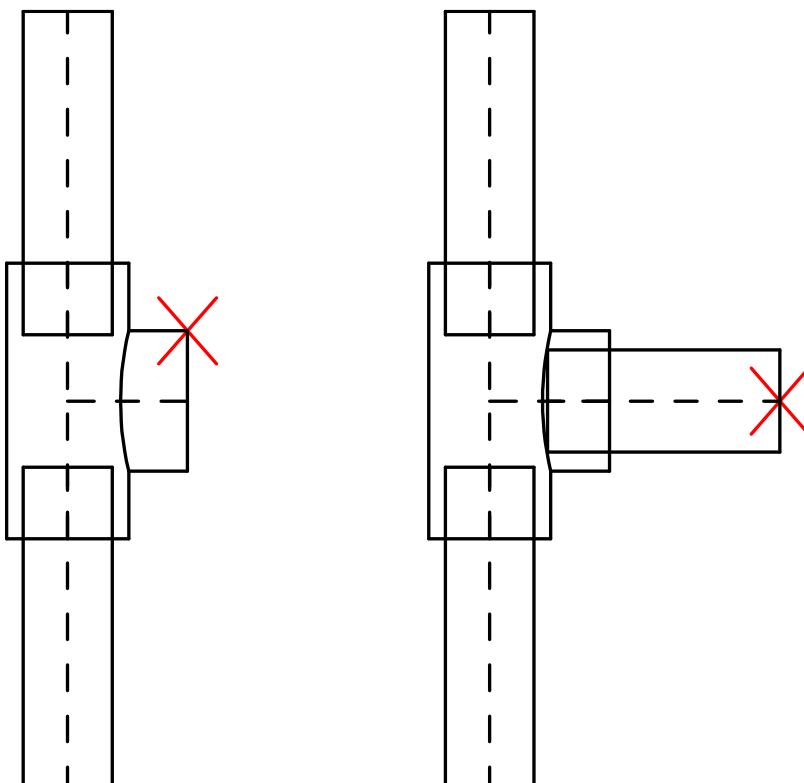
*Expandable button  
in the libraries of products*





## ✓ Drawing strings of installations with connection to the specified object

Currently when user starts drawing a new installation string he can specify an existing object from the drawing. If this object "fit" to the newly created string then program will automatically connect the string to the indicated object and will continue drawing the installation with an appropriate angle.



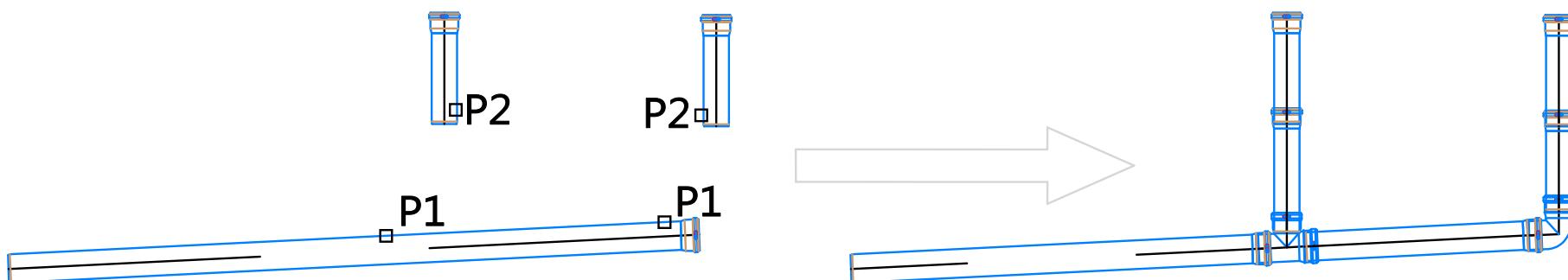
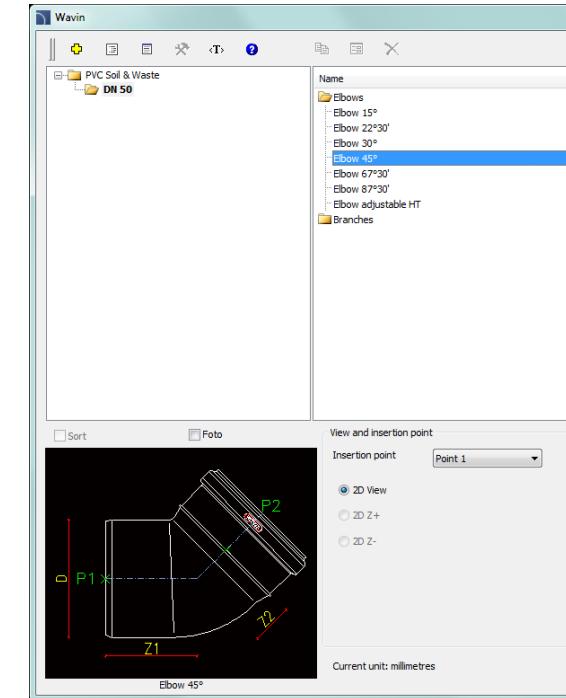


## ✓ Joining elements of installations from manufacturers libraries and CADprofi catalogs

In earlier versions of CADprofi it was possible to automatically connect simplified views of pipelines, ventilation ducts or cable trays. New version of the program allows for easy connection of detailed elements from manufacturers libraries or CADprofi catalogs.

Connections can be implemented in several ways:

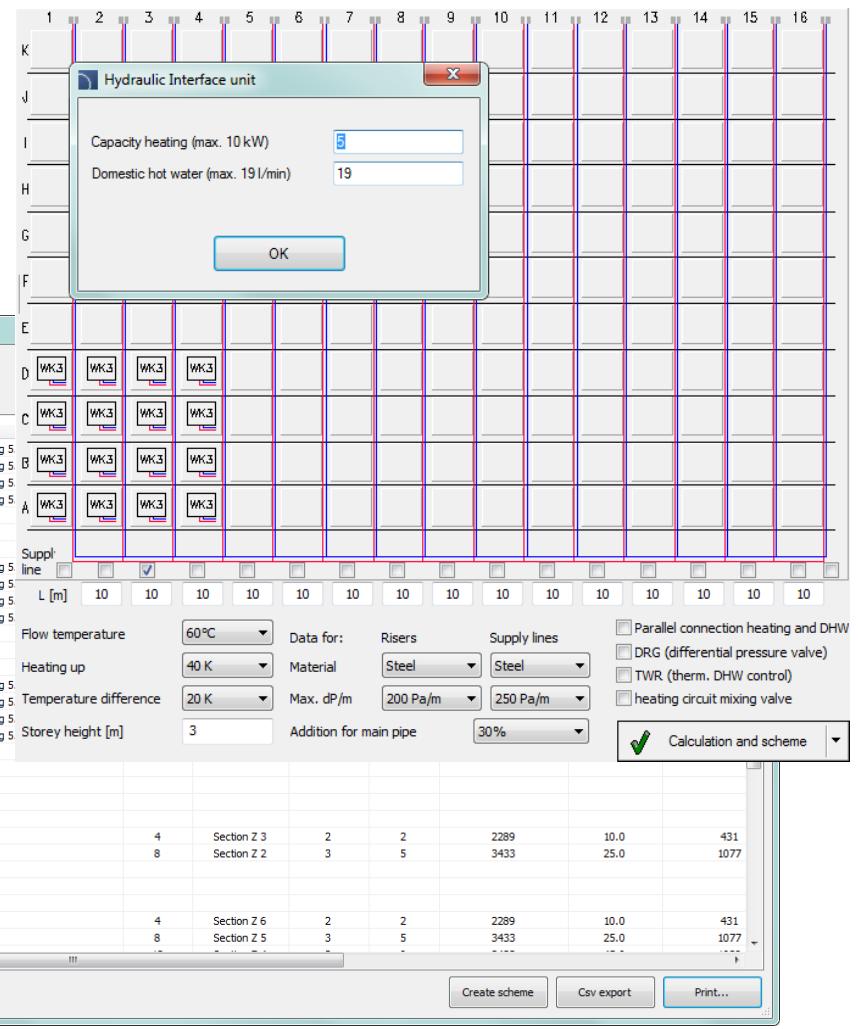
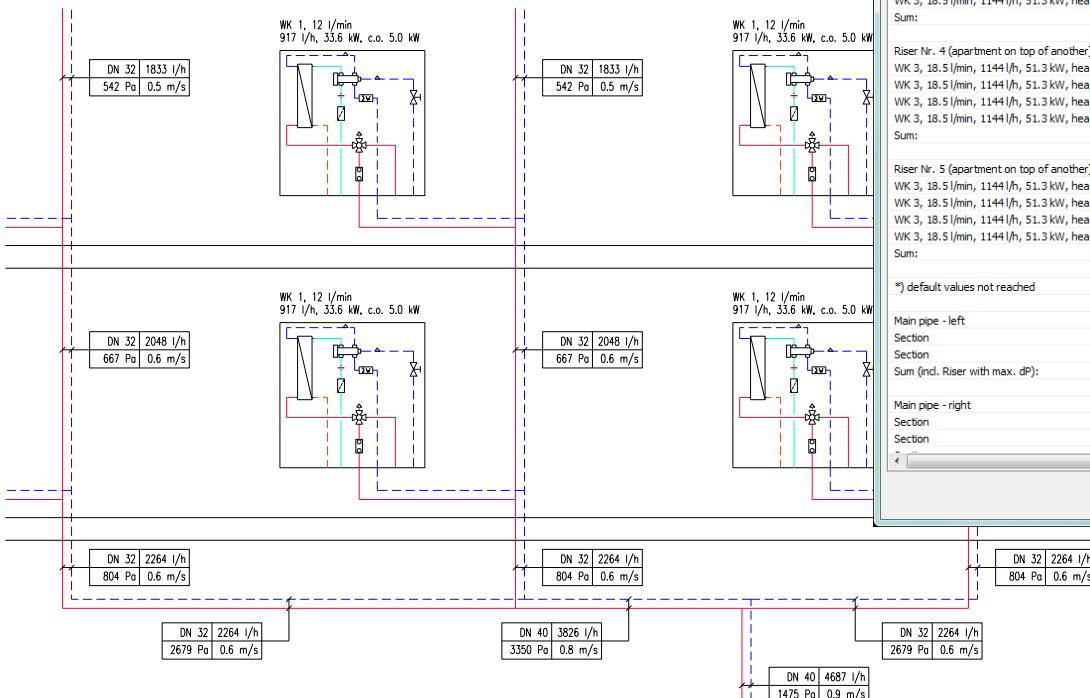
- During the insertion of the selected fitting to the drawing. In this case after attaching the fitting to the selected element (P1) it is possible to indicate another element (P2). If the indicated elements are "compatible" then the program will connect them.
- With the help of the "*Join general elements*" command. In this case program automatically selects the appropriate elbow and connects indicated elements.
- With the help of the "*Join detailed elements*". After indicating the first element program will display dialog window with the matching fittings. After selecting the desired fitting user must indicate element for which the connection will be made.



## ✓ Hydraulic calculations and automatic drawing of diagrams in KaMo/Delta



- Instant selection of receivers (hydraulic interface units) in the dialog window where user can specify up to 16 risers and 11 storeys.
- Determination of central heating power and efficiency of hot tap water for receivers.
- Determination of way of calculation and general installation parameters.
- Possibility to choose the type of pipes for risers and power cables.
- Full hydraulic calculations with specifying the pressure drop, flow and pipe diameters.
- Calculation of the power of the heating source and the power peak for the need of the hot tap water. Choice of the buffer size.
- Choice of the buffer circulation and charging pump.
- Choice of the optional mixing valve.
- Automatic drawing of installations diagrams.
- Specifications of the quantity of pipes.

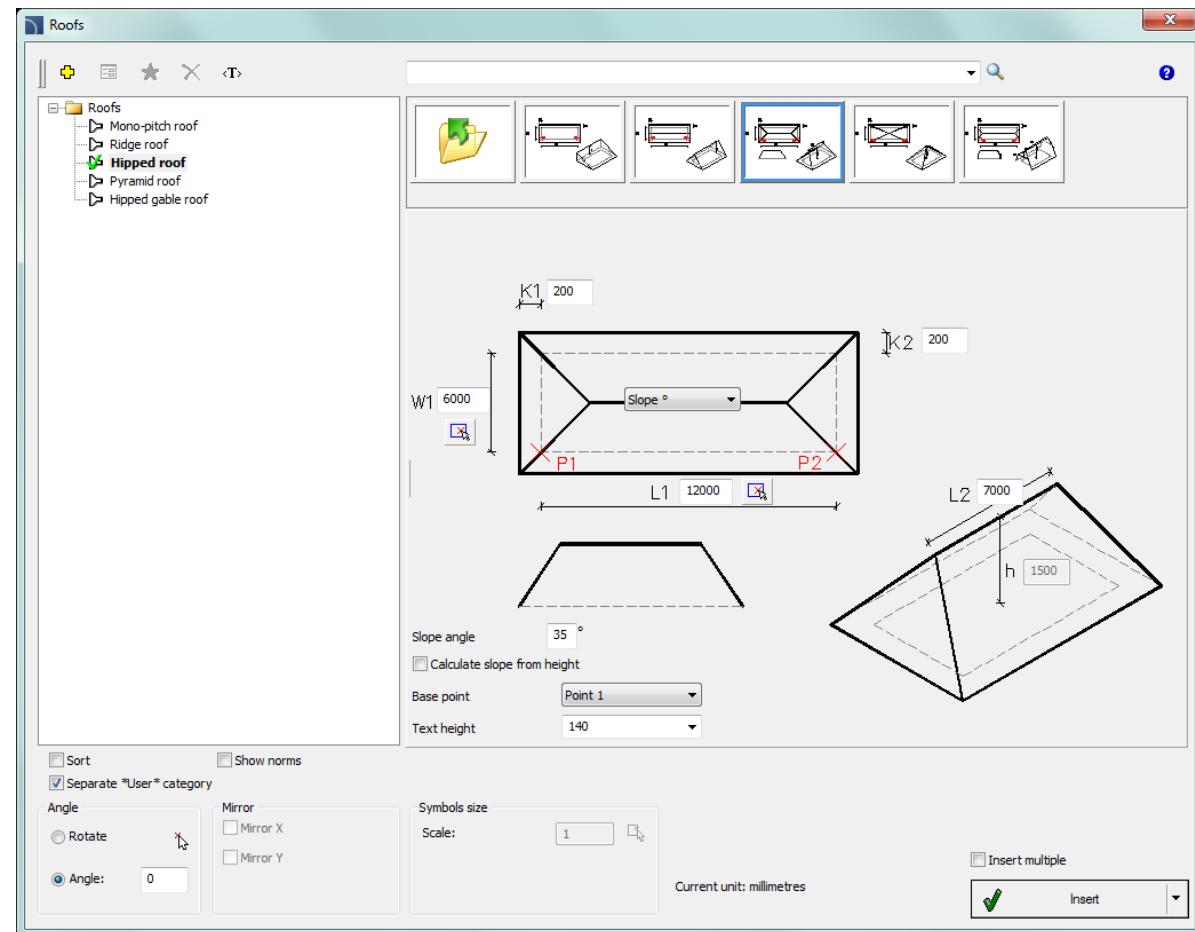


Hydraulic calculations and automatic drawing of installations is available in the **KaMo** and **Delta Systemtechnik** libraries.



## ✓ CADprofi Architectural – new command *Roofs*

The *Roofs* command allows to insert roofs views with the most commonly used shapes. For each roof the tracts surface is calculated, as well as, roof slope or height.



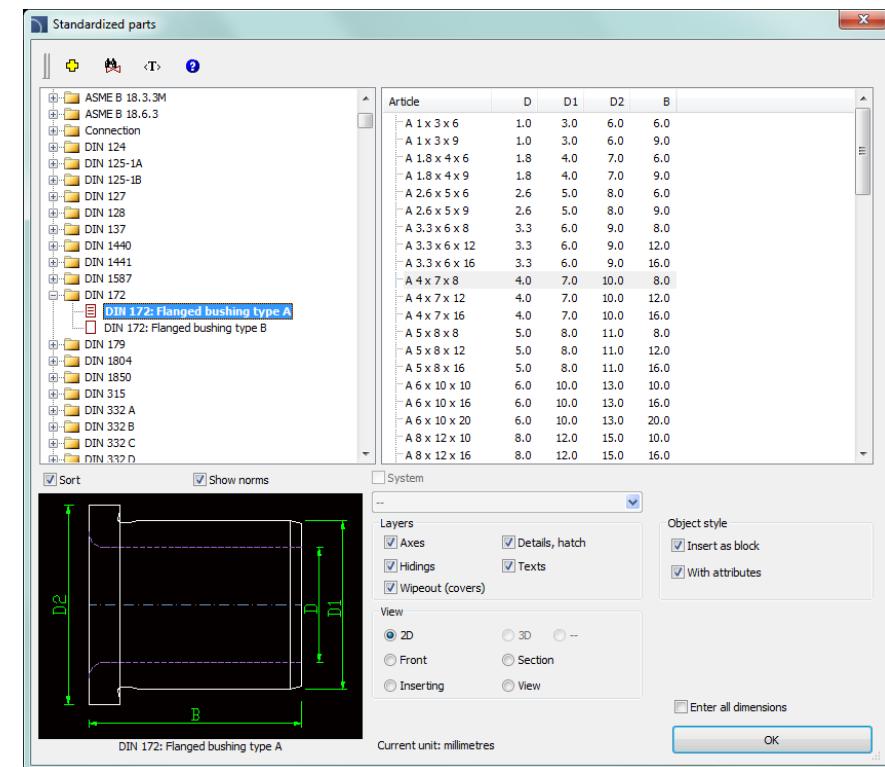


# CADprofi

## ✓ CADprofi Mechanical – additional PN, EN, DIN, ISO and GOST standards

New standardized elements have been added to the program, including:

- Slotted set screws with flat point
- Slotted set screws with cup point
- Steel round head rivets
- Centering hole type A, B, C, R, D
- Seal type O (O-rings)
- Radial Oil Seal type A, AS
- Retaining ring type A, B
- Flanged and cylindrical bushing
- Rolling bearing - Locknuts
- Slotted Round Nut
- Parts ending with outer thread

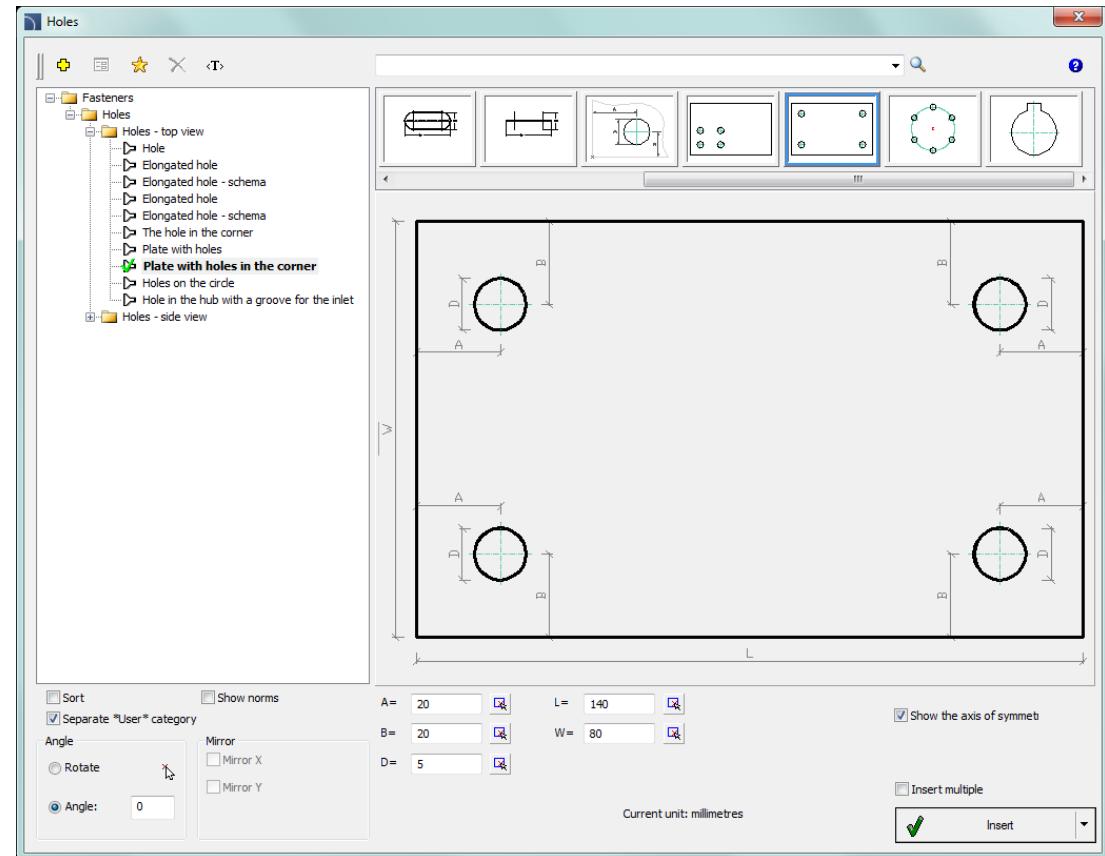




## ✓ CADprofi Mechanical – extended content of the *Holes* command

Additional elements have been added to the command:

- The hole in the corner.
- Plate with holes.
- Plate with holes in the corner.
- Holes in the circle.
- Holes in the hub with a groove for the inlet.



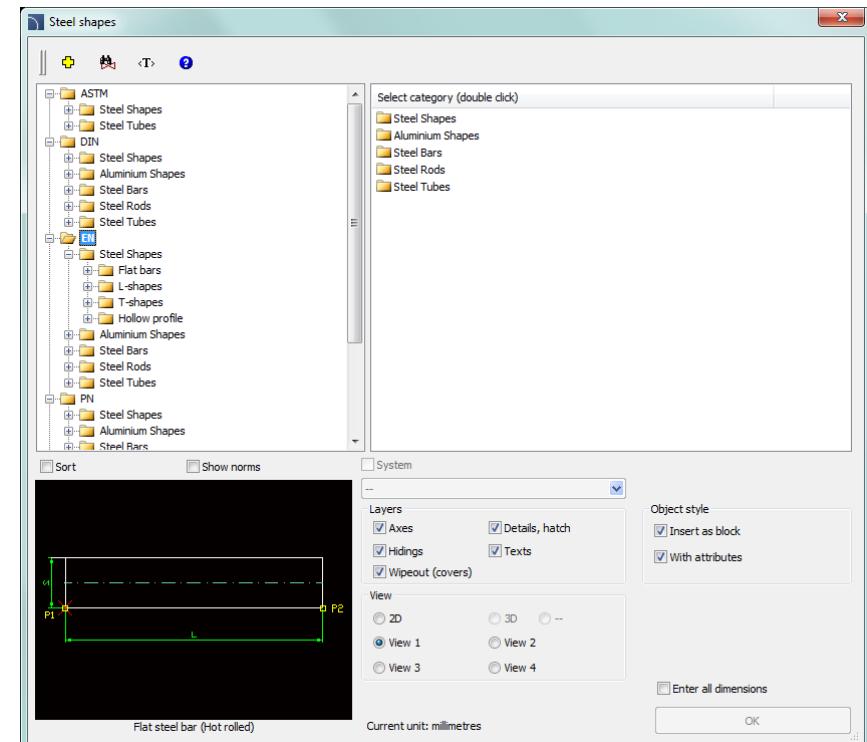
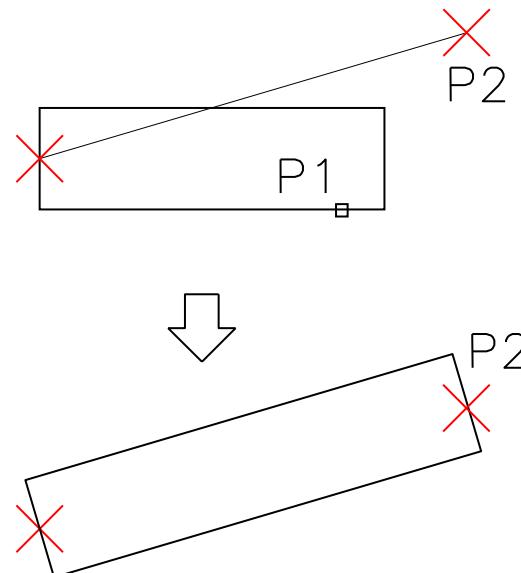


## ✓ CADprofi Mechanical - dynamic extension of steel profiles

In the new program version it is possible to dynamically edit steel profiles with the help of the *Edit symbols* command.

After running the command and selecting the steel profile (point 1) it is possible to dynamically change the position and the length of the steel profiles (point 2).

In the selected CAD programs it is possible to visually track the current location of the object (ie. "visualize" the edition process).

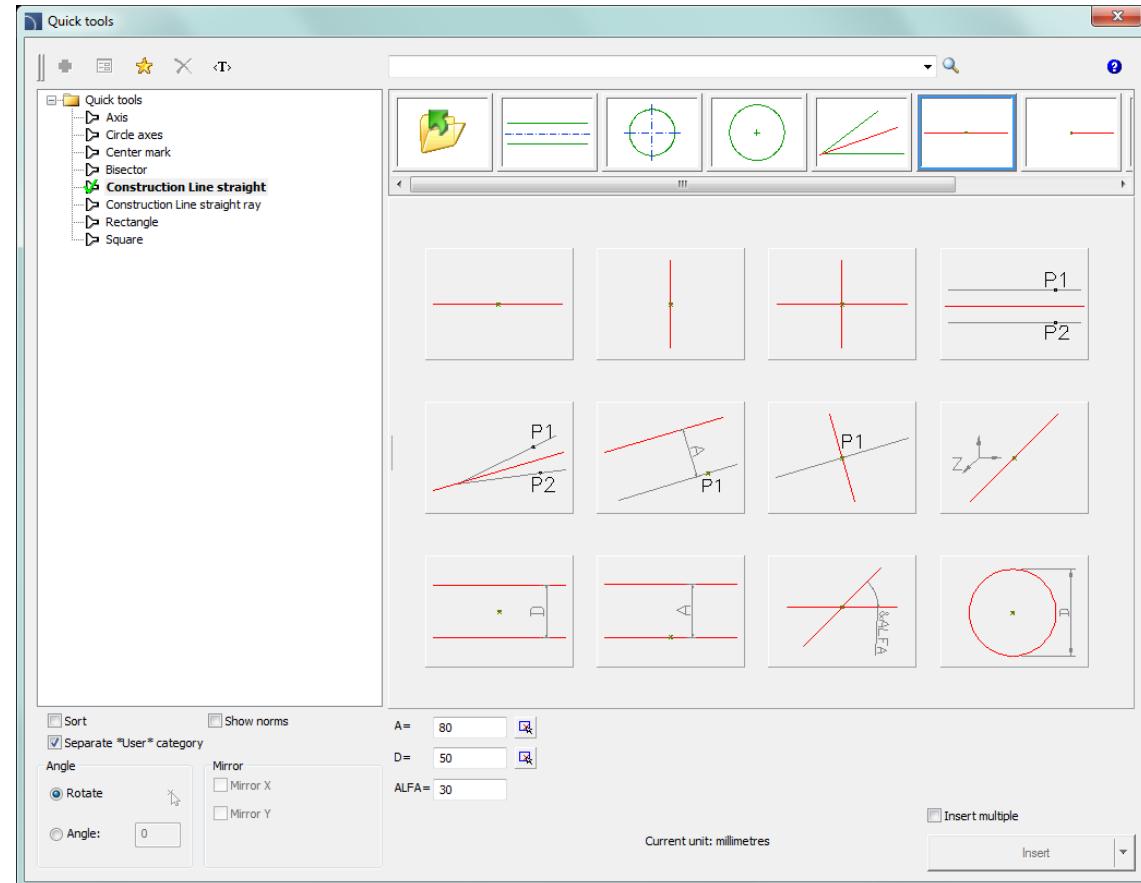




## ✓ Extended content of the *Quick tools* command

The *Quick tools* command has been extended with the opportunity to insert construction lines (straight and rays) to the drawing.

Additionally, a possibility to quickly insert into the drawing squares and rectangles (with a convenient determination of dimensions and the insertion point) has been added to the command.





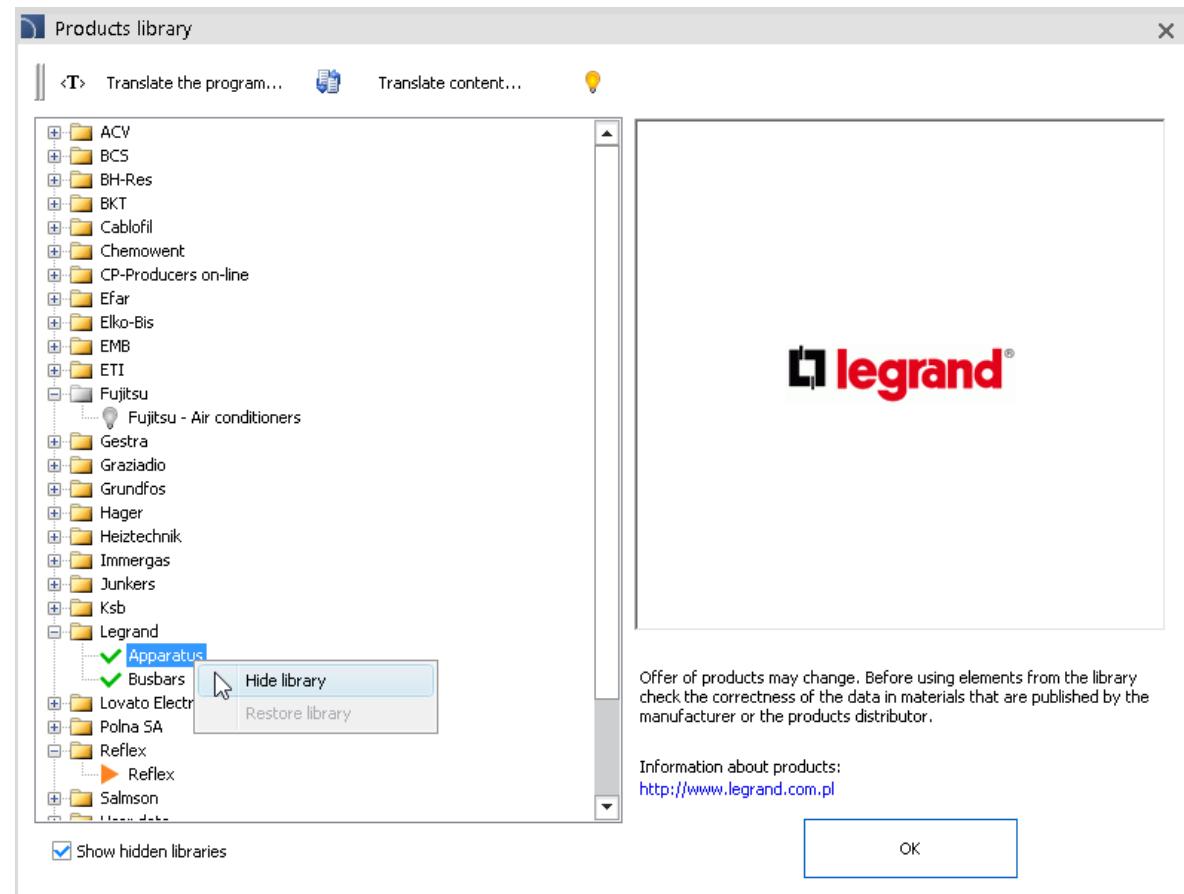
## ✓ Management of the library of products

New libraries products that are prepared with manufacturers of various devices from many industries are constantly added to the program. In new version of the program user can hide libraries, which he is not using in his daily work. Thanks to this the library selection window is more transparent and suited for the user needs.

All libraries can be shown after selecting the *Display hidden libraries* option.

In the dialog window user is informed for which libraries the updates are available, as well as which libraries can be downloaded from the CADprofi server. (e.g. additional hidden libraries that were published after the installation of the program).

Hidden libraries are not included in the online updates, thanks to which the amount of data needed to update the program.



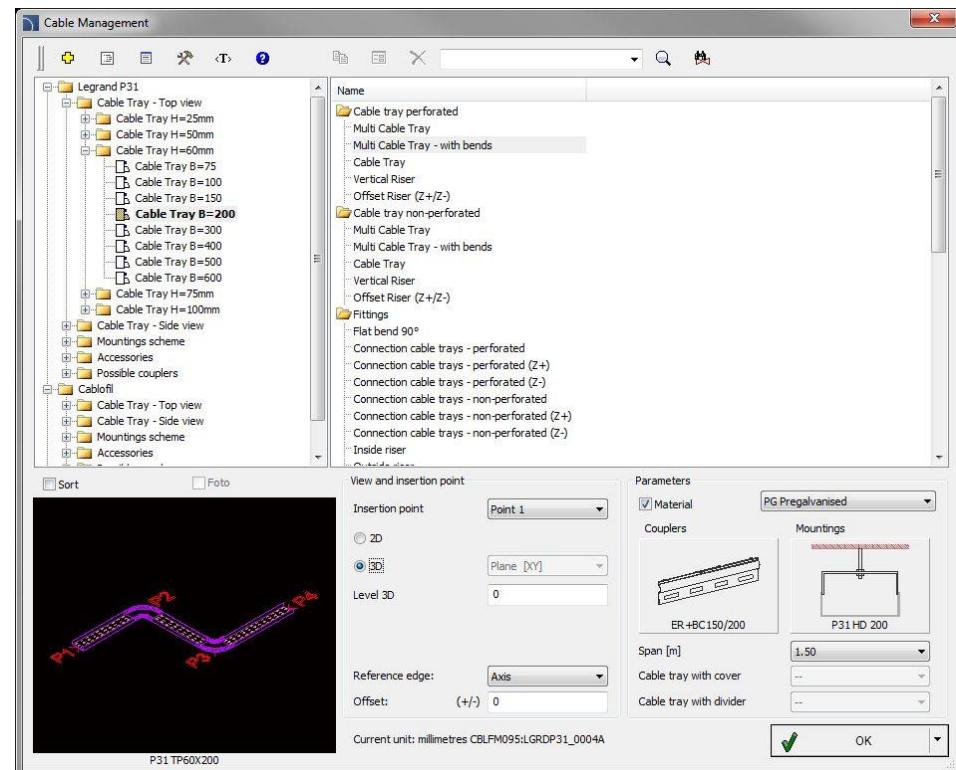
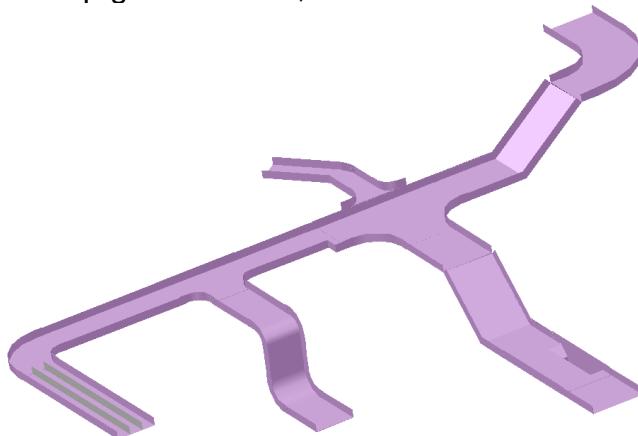


## ✓ New library of 2D and 3D Legrand and Cablofil cable trays

New library of Legrand Cable Management contains a system of Cablofil mesh trays and Legrand P31 sheet metal trays. Library contains:

- Mesh cable trays.
- Sheet metal trays with and without perforation.
- Elbows, tees, cross pieces, branch pieces, reductions etc.
- Fasteners, mountings, covers, dividers, accessories.
- Product are available in 2D and 3D views.

Program allows for easy and quick design of cable tray routes in various technologies: continuous galvanisation, hot dip galvanisation, electrozinc or stainless steel.



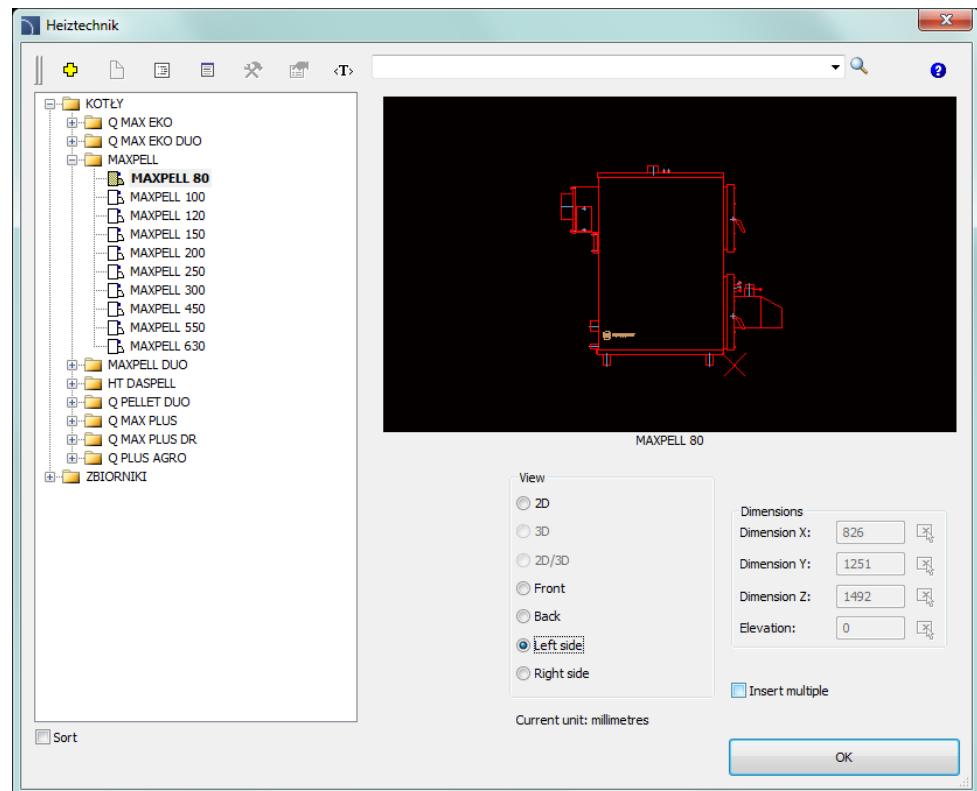
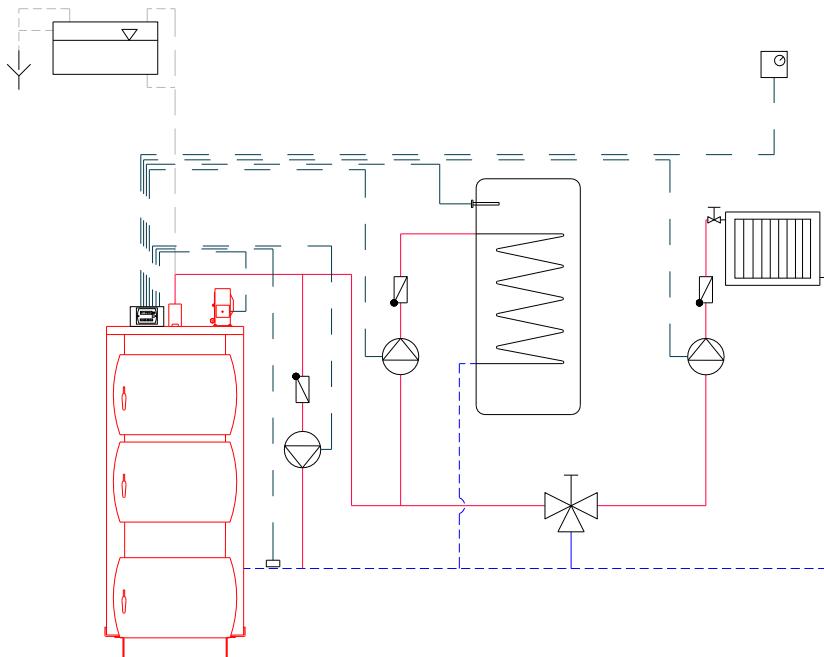


# CADprofi

## ✓ New library of Heiztechnik products

New library of *Heiztechnik* contains heating boilers used for solid fuel combustion. Boilers for wood, biomass and pellets, as well as, tanks for pellets are available.

Library also contains ready-made boiler schemes with selection depending on the used controller.

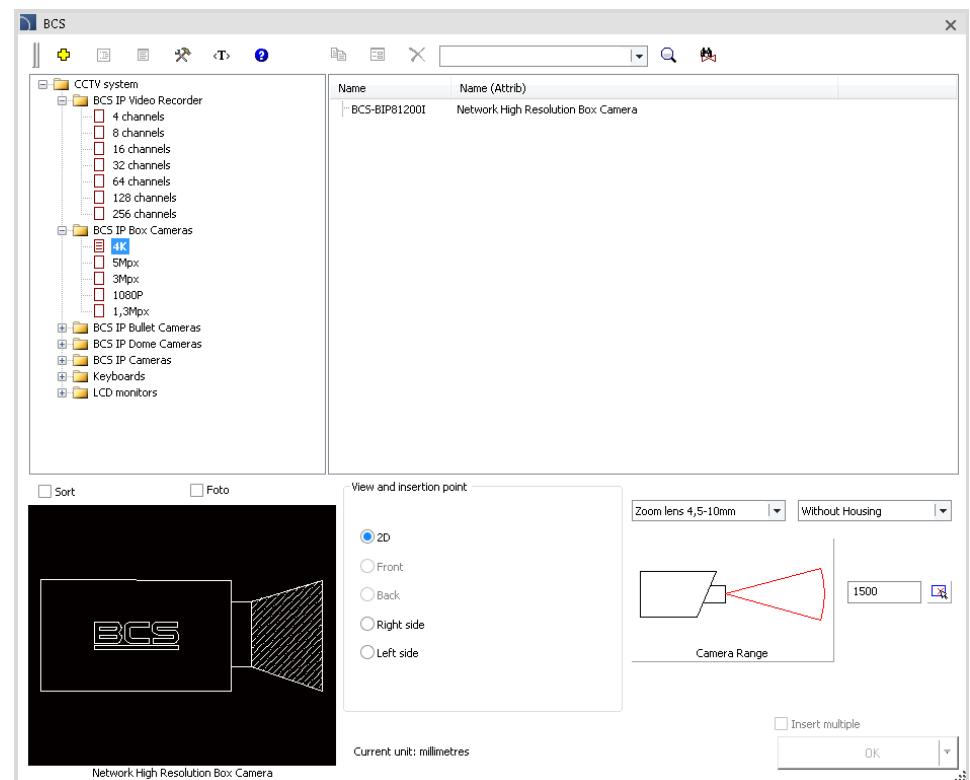
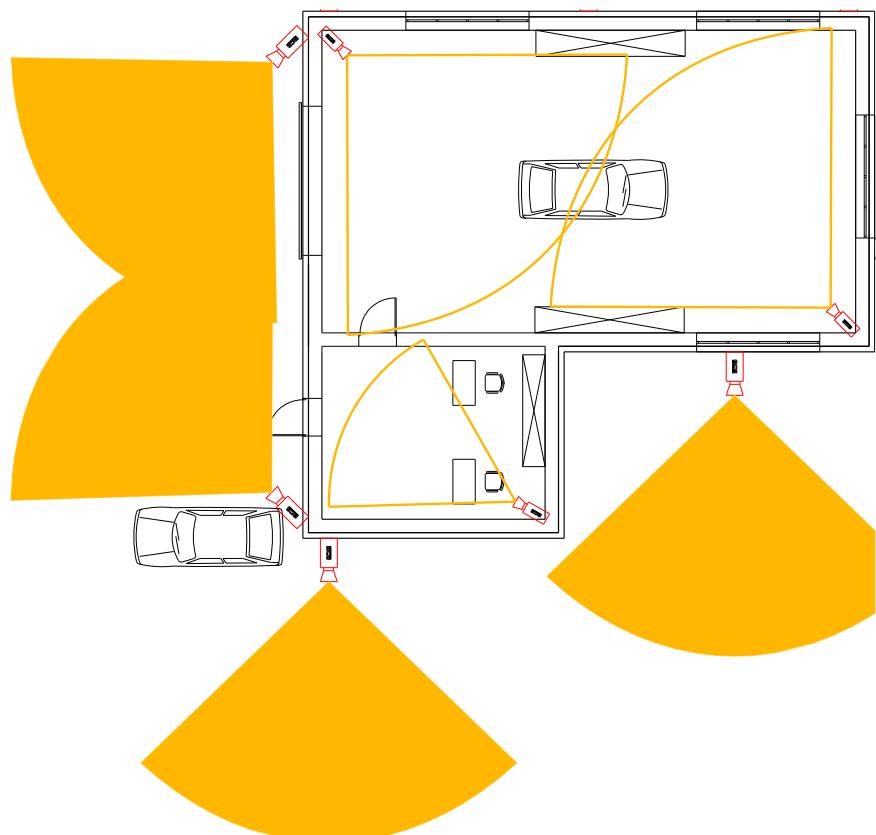




# CADprofi

## ✓ New library of BCS products

New library of *BCS* helps in designing of IP video monitoring installations.



# BCS®

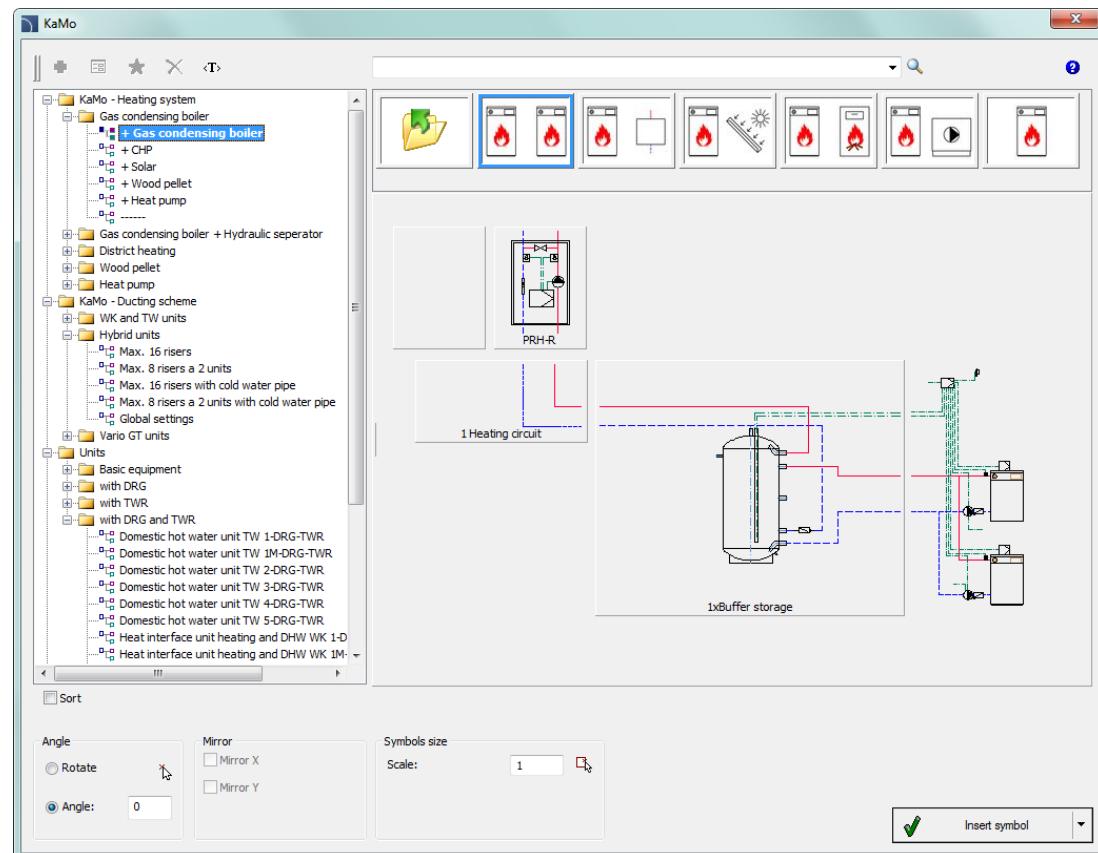


# CADprofi

## ✓ New libraries of KaMo and Delta Systemtechnik

Kamo and Delta Systemtechnik libraries allow for complex design of installations with usage of housing stations. Program performs hydraulic calculations and automatically draws installations.

Library also contains boilers and heat centers diagrams with the ability of choosing the heat buffers that are linked in series or in a Tichelmann system (reverse-return system).





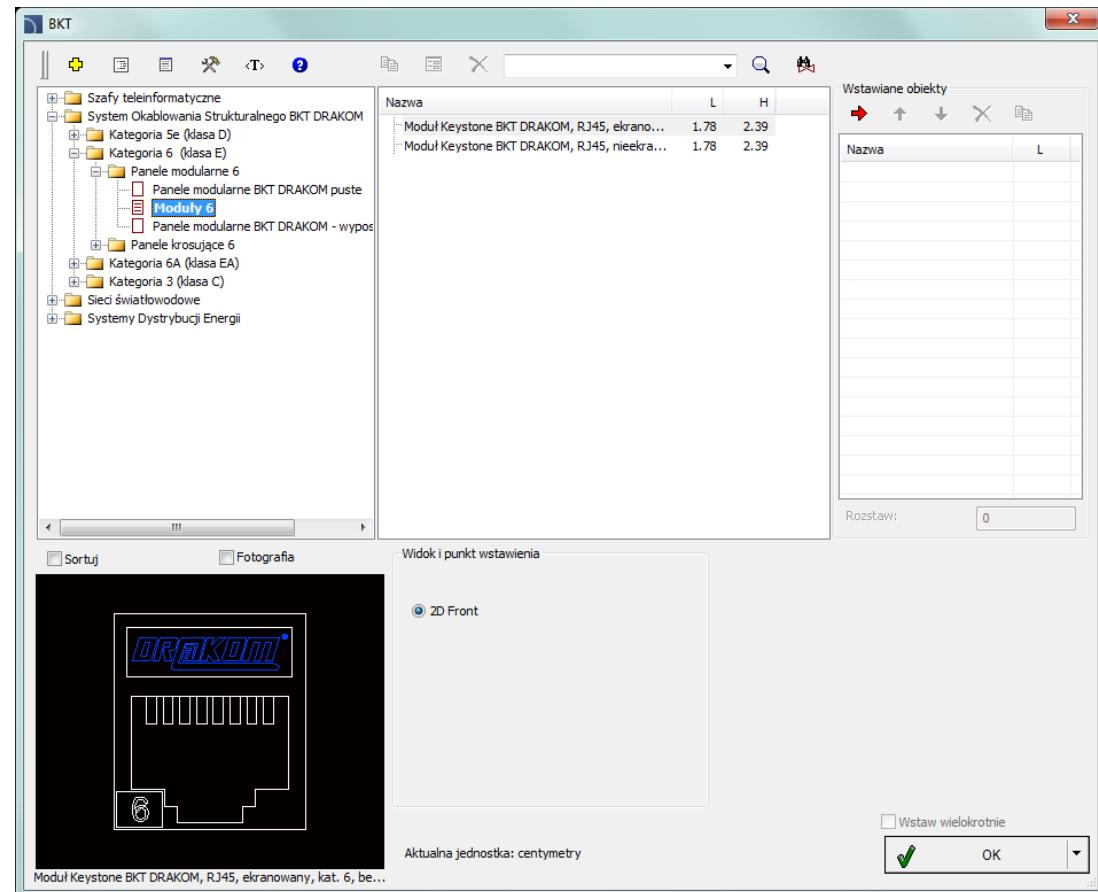
# CADprofi

## ✓ New BKT Elektronik library

New library of *BKT Elektronik* that enables the design of data telecom (ITC) cabinets with elements of structured cabling has been added to the program.

The manufacturer has got in his offer elements in both copper and fiber technology.

Such elements like data telecom (ICT) cabinets, panels and structured cabling, as well as elements of fiber optic equipment can be found in the library.





# CADprofi

✓ Update of manufacturers' libraries:





# CADprofi

## ✓ Windows 10

Current CADprofi version has been tested in the latest Windows 10 operating system.

Users who plan to move to the latest Microsoft system can do it without any fear of working with CADprofi.

Tested on



Windows 10



# CADprofi

## ✓ Adjustment to many base CAD programs

CADprofi 12 has been adjusted to work with latest CAD programs, including: AutoCAD 2016, ARES Commander Edition 2015, BricsCAD V16, progeCAD 2016, ZWCAD Classic, CADMATE.

CADprofi 12 currently works with many base CAD programs including: AutoCAD (since the 2000 version), BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD, ARES Commander Edition and others.

The AutoCAD logo, featuring the word 'AutoCAD' in red with a registered trademark symbol.

The ZWCAD logo, featuring the word 'ZWCAD' in blue with a green swoosh and a blue plus sign.

The GstarCAD logo, featuring the word 'GstarCAD' in blue and yellow with the subtitle 'An Alternative CAD System' in blue.

The BricsCAD logo, featuring a blue stylized 'B' shape composed of two arrows pointing right, with the word 'BRICSCAD' in dark grey below it.

The progeSOFT logo, featuring a blue globe icon with a yellow 'I' shape in the center, with the word 'progeSOFT' in blue below it.

The IntelliCAD logo, featuring a purple diamond shape with a yellow 'I' shape in the center, with the word 'IntelliCAD' in purple below it.