



CADprofi 2024.13

✓ CADprofi – Numerar

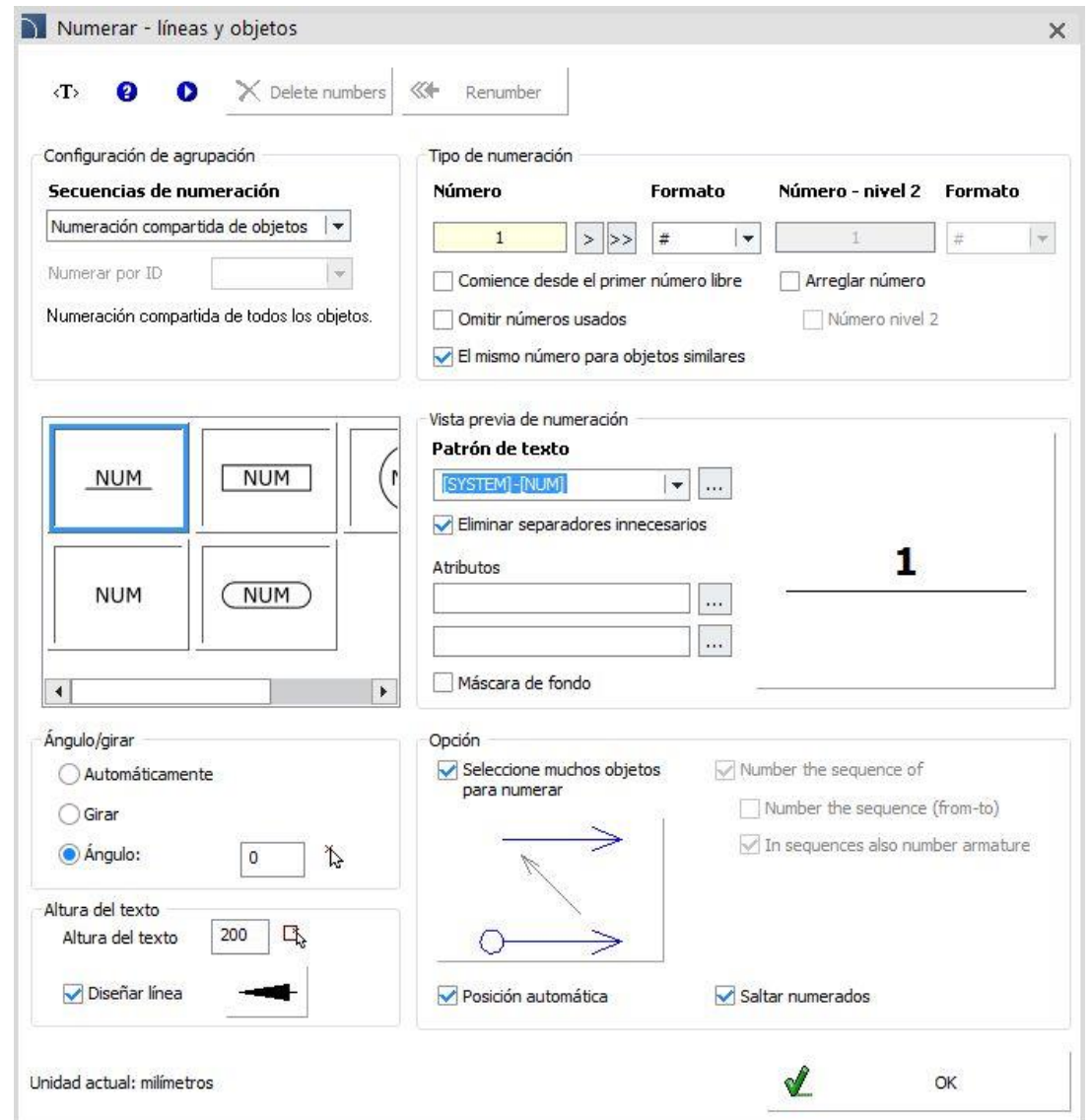
En la última versión del programa CADprofi, se ha ampliado el comando **Numerar** .

Ahora el programa nos permite renumerar, e incluso:

- desplazar números en secuencias de numeración,
- eliminar espacios en la numeración,
- eliminar toda la secuencia de numeración,
- renumeración geométrica,
- cambiar el formato de los números.

Además, se han añadido al comando las siguientes opciones:

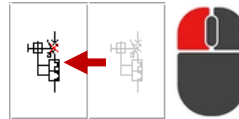
- formateo de números añadiendo ceros a la izquierda,
- numeración de secuencias de tuberías/canales/bandejas de cables,
- corrección de objetos copiados numerados por sus renumeraciones.



✓ CADprofi – nuevas mejoras en el creador de esquemas

En el creador de esquemas eléctricos y en las bibliotecas que contienen cálculos de calefacción central con estaciones descentralizadas de preparación de agua caliente sanitaria (Uponor, Strawa y otros), se ha añadido la posibilidad de editar esquemas mediante la técnica de "arrastrar y soltar". Gracias a ella, se podrá desplazar, copiar o intercambiar símbolos cómodamente utilizando el ratón.

Manteniendo pulsado el botón izquierdo del ratón sobre un símbolo, el usuario puede arrastrarlo a una nueva ubicación.



Manteniendo pulsado el botón izquierdo del ratón con la tecla **Ctrl**, el usuario puede copiar el símbolo a una nueva ubicación.



Manteniendo pulsado el botón izquierdo del ratón con la tecla **Shift**, el usuario puede intercambiar símbolos.



Además, se han introducido dos nuevos atajos de teclado en el creador de esquemas:

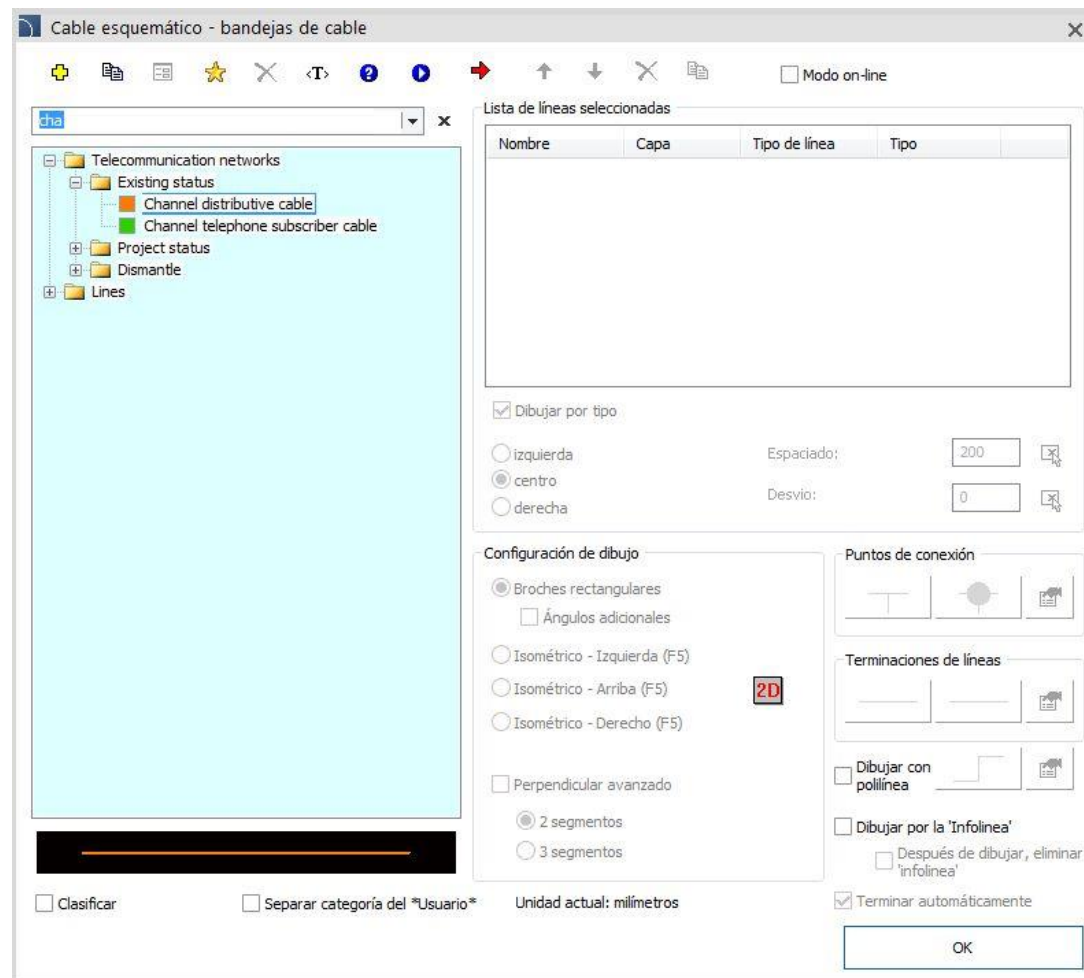
- **Ctrl + Z** (deshacer la última operación).
- **Ctrl + Y** (repetir la última operación).

✓ CADprofi – búsqueda mejorada (autorrelleno)

En la última versión del programa CADprofi se ha mejorado la búsqueda de objetos en los cuadros de diálogo. Ahora, el programa indica los nombres de los elementos incluidos en la base de datos mientras se escribe el texto.

Esta nueva opción está disponible en los siguientes comandos:

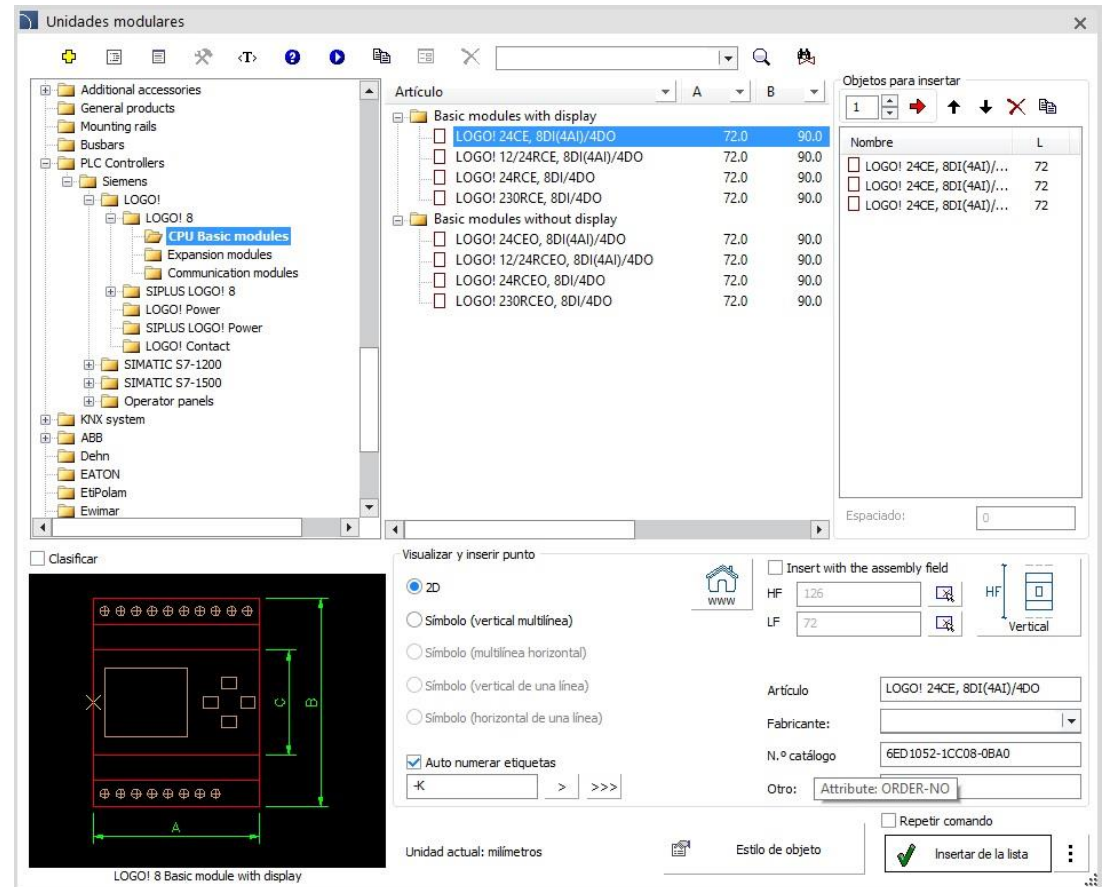
- Tuberías - esquema,
- Muros,
- Símbolos.



✓ CADprofi – Consejos de herramienta en cuadros de diálogo

Las ventanas de diálogo en el programa CADprofi permiten al usuario mostrar información sobre cómo escribir/leer datos en el objeto, por ejemplo, como un Atributo, Parámetros de Usuario, etc. Gracias a ello, al rellenar datos y crear especificaciones, el usuario puede identificar más fácilmente su origen.

Artículo	LOGO! 24CE, 8DI(4AI)/4DO
Attribute: ARTICLE	siemens
N.º catálogo	6ED1052-1CC08-0BA0
Otro:	



Unidades modulares

Artículo

Artículo	A	B
LOGO! 24CE, 8DI(4AI)/4DO	72.0	90.0
LOGO! 12/24RCE, 8DI(4AI)/4DO	72.0	90.0
LOGO! 24RCE, 8DI/4DO	72.0	90.0
LOGO! 230RCE, 8DI/4DO	72.0	90.0
LOGO! 24CEO, 8DI(4AI)/4DO	72.0	90.0
LOGO! 12/24RCEO, 8DI(4AI)/4DO	72.0	90.0
LOGO! 24RCEO, 8DI/4DO	72.0	90.0
LOGO! 230RCEO, 8DI/4DO	72.0	90.0

Objetos para insertar

Nombre	L
LOGO! 24CE, 8DI(4AI)/...	72
LOGO! 24CE, 8DI(4AI)/...	72
LOGO! 24CE, 8DI(4AI)/...	72

Visualizar y insertar punto

2D

Símbolo (vertical multilinea)

Símbolo (multilinea horizontal)

Símbolo (vertical de una línea)

Símbolo (horizontal de una línea)

Auto numerar etiquetas

Artículo: LOGO! 24CE, 8DI(4AI)/4DO

Fabricante: siemens


N.º catálogo: 6ED1052-1CC08-0BA0

Otro: Attribute: ORDER-NO

Unidad actual: milímetros

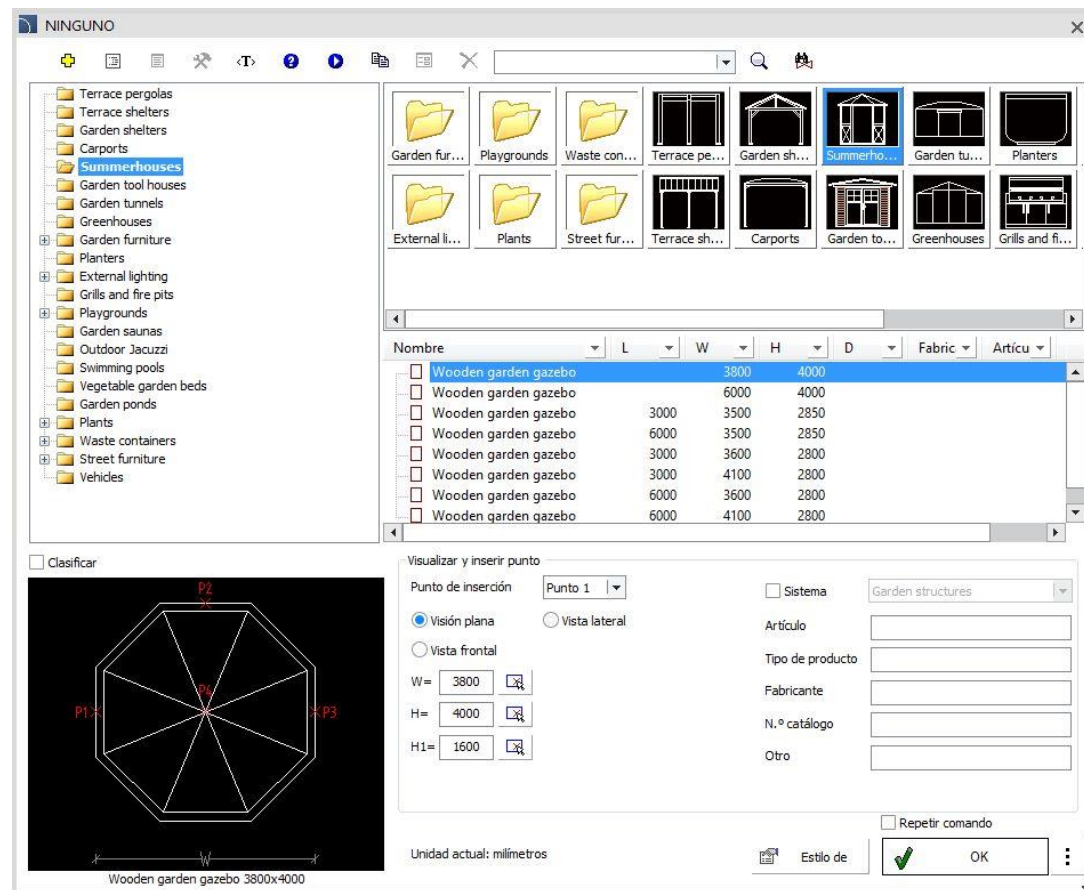
Estilo de objeto: Insertar de la lista

✓ CADprofi Architectural – “Arquitectura externa”

El módulo Architectural del programa CADprofi se ha ampliado con el nuevo comando **Arquitectura Externa** . Este comando incluye:

- Pérgolas para terrazas.
- Toldos de terraza, toldos de jardín y toldos de garaje.
- Cenadores de jardín, casetas para herramientas de jardín.
- Túneles e invernaderos de jardín.
- Muebles de jardín (asientos, sofás, mesas, conjuntos de muebles de jardín).
- Macetas.
- Iluminación exterior (lámparas de jardín, apliques de exterior, faroles).
- Parrillas y hornos.
- Parques infantiles (conjuntos, casitas para niños, columpios, toboganes, parques infantiles, equipamiento deportivo).
- Saunas de jardín, jacuzzi exterior.
- Jardineras, estanques.
- Pequeña arquitectura (papeleras, bancos, paneles informativos, pilares informativos, aparcabicis).

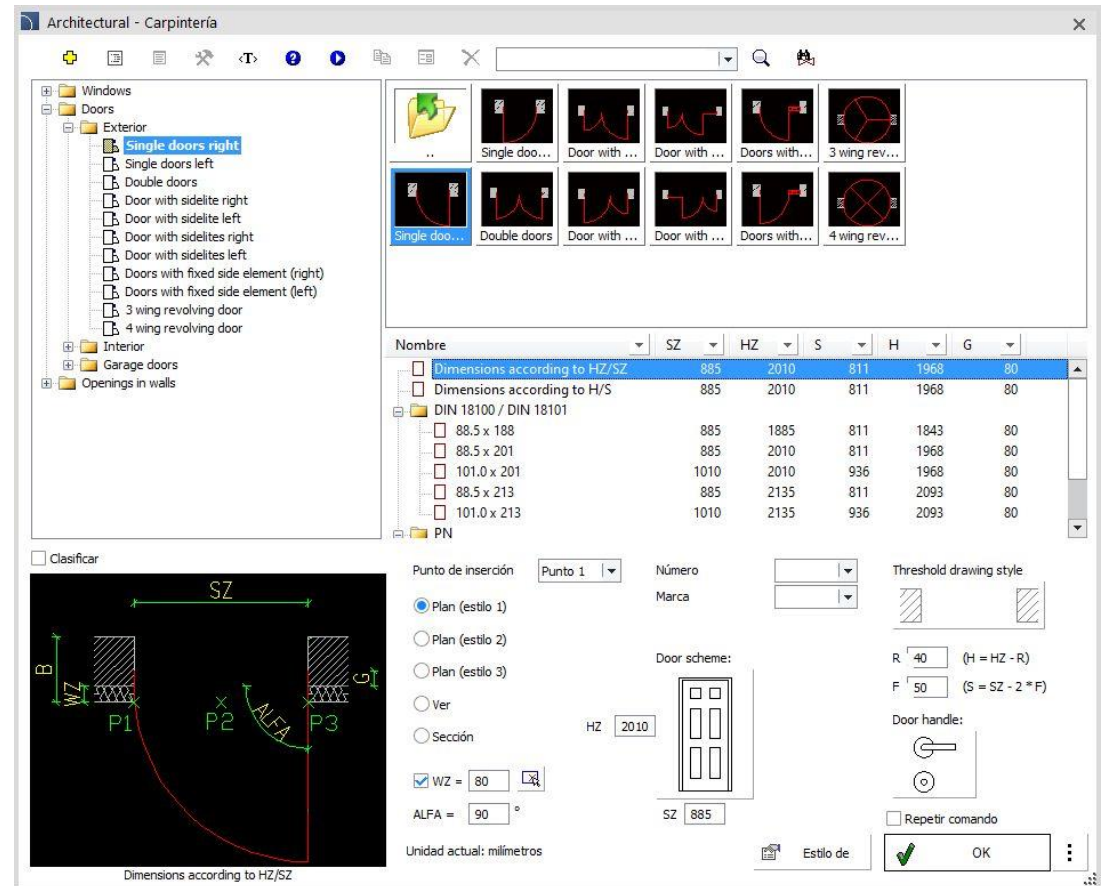
Además, se han trasladado a este comando elementos de otros comandos, por ejemplo: piscinas, plantas, contenedores de basura, vehículos.



✓ CADprofi Architectural – ampliación del comando "Carpintería"

El comando **Carpintería**  se ha ampliado con las siguientes novedades:

- Posibilidad de determinar la distancia del marco de la puerta al borde de la pared. Esto permite montar correctamente la puerta, por ejemplo, en paredes con una capa de aislamiento exterior.
- El ángulo de apertura de la puerta.



Nombre	SZ	HZ	S	H	G
Dimensions according to HZ/SZ	885	2010	811	1968	80
Dimensions according to H/S	885	2010	811	1968	80
DIN 18100 / DIN 18101					
88.5 x 188	885	1885	811	1843	80
88.5 x 201	885	2010	811	1968	80
101.0 x 201	1010	2010	936	1968	80
88.5 x 213	885	2135	811	2093	80
101.0 x 213	1010	2135	936	2093	80
PN					

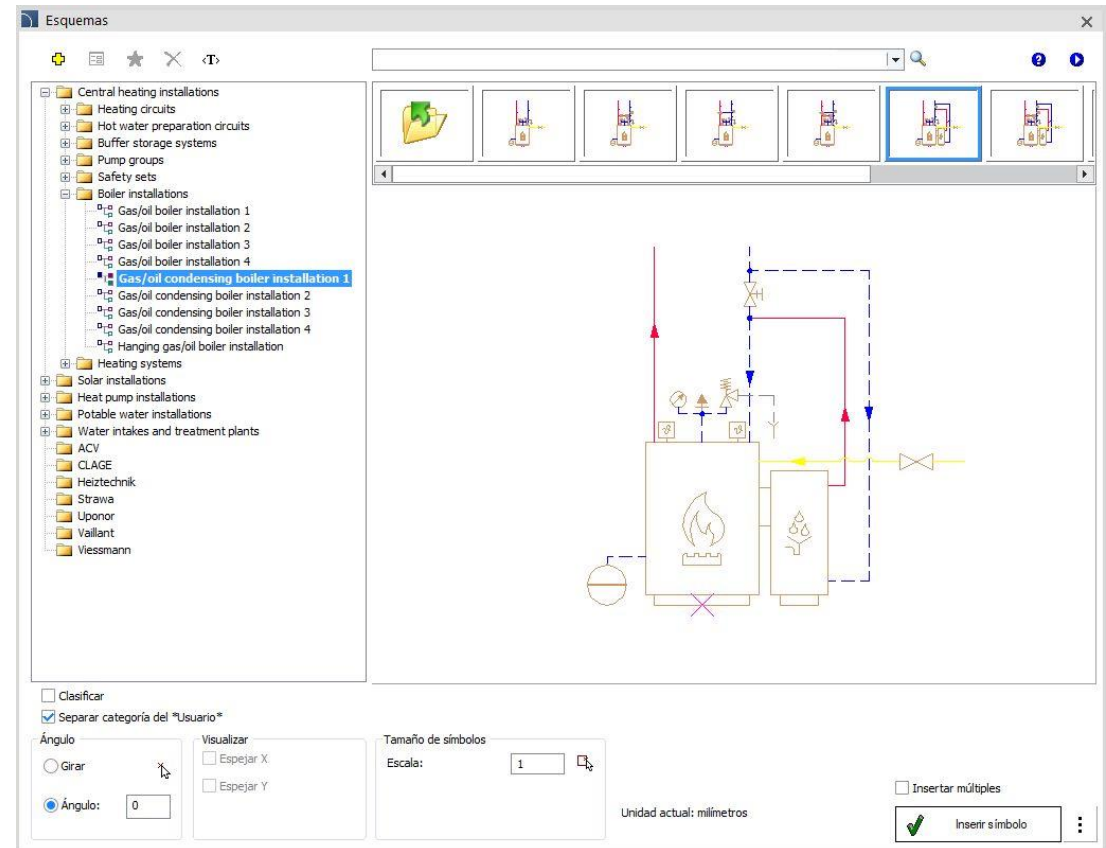
Diagram labels: SZ, HZ, S, H, G, WZ, B, P1, P2, P3, ALFA

Dimensions according to HZ/SZ


✓ CADprofi HVAC & Piping – ampliación del comando "Esquemas"

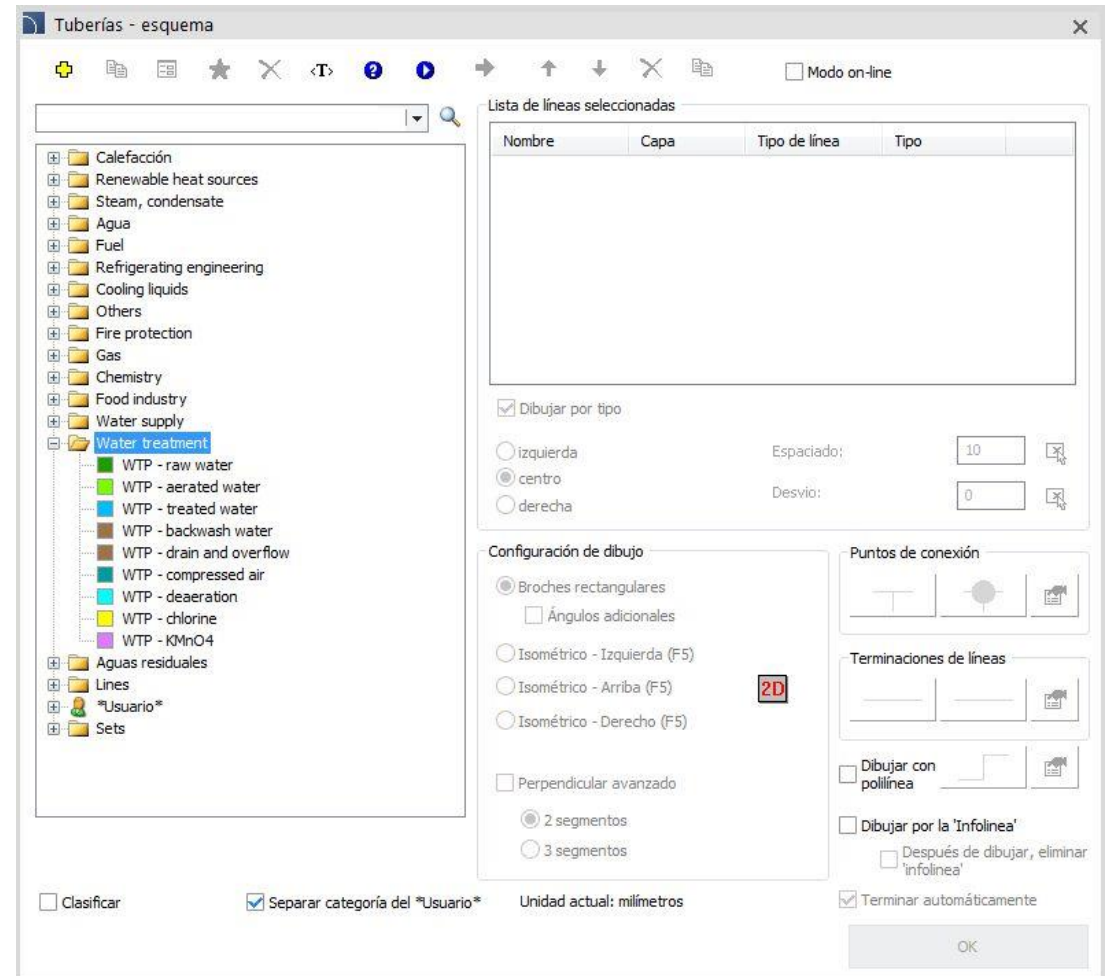
El comando **Esquemas**  se ha ampliado con sistemas de instalación adicionales, entre ellos:

- circuitos de preparación de agua caliente doméstica
- sistemas de tanques buffer.
- grupos de bombeo.
- grupos de seguridad.
- conexiones de calderas.
- salas de calderas
- instalaciones solares.
- instalaciones de bombas de calor.
- instalaciones de agua potable
- tomas de agua y plantas potabilizadoras - componentes tecnológicos de instalación y proyectos tipo totalmente preparados para tomas de agua y plantas potabilizadoras.





✓ CADprofi HVAC & Piping – ampliación del comando "Tuberías – esquema"

El comando **Tuberías – esquema**  se ha ampliado con una nueva categoría de tubería - tratamiento del agua.



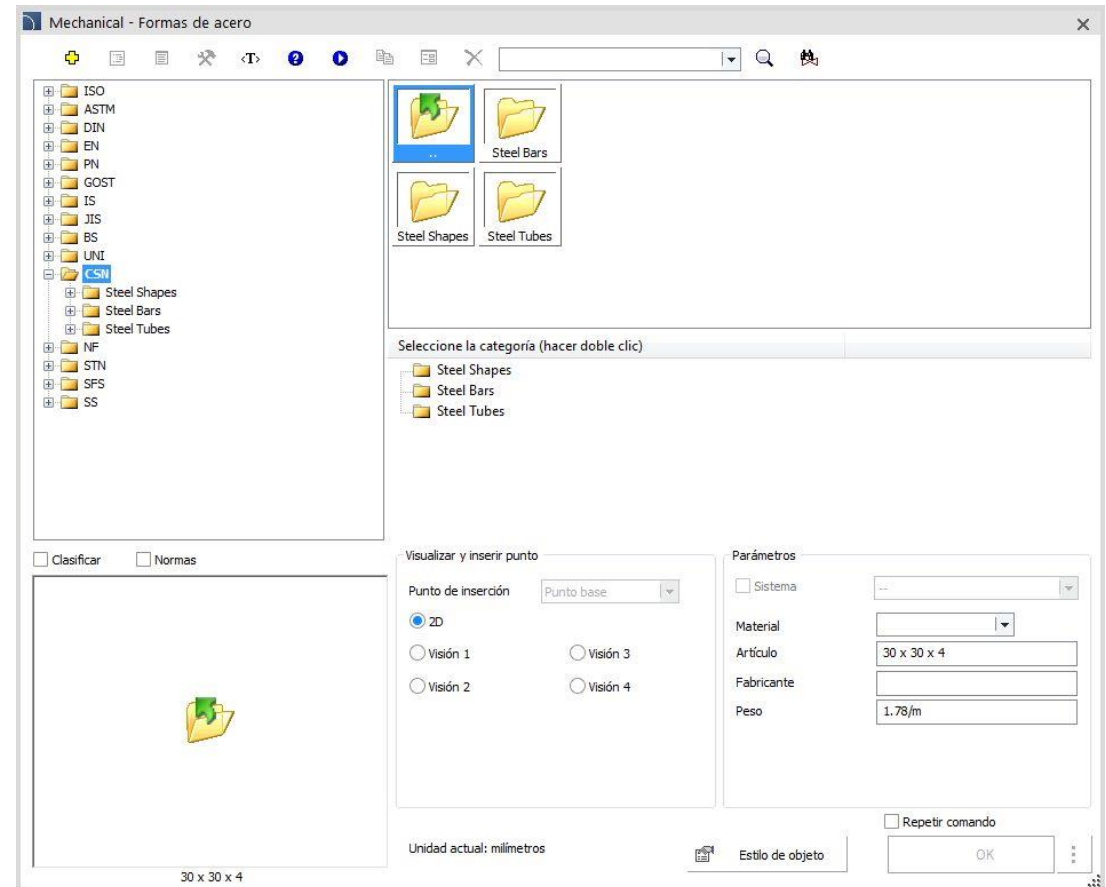
✓ CADprofi Mechanical – inclusión de nuevas normas nacionales

Los comandos **Formas de acero**  y **Piezas estandarizadas**  se han ampliado con productos preparados en conformidad con las siguientes normas nacionales:

- Normas checas (CSN)
- Normas eslovacas (STN)
- Normas francesas (NF)
- Normas suecas (SS)
- Normas finlandesas (SFS)
- Normas italianas (UNI - 5739, 5737, 5931, 5933, 5923, 5925, 5927, 5929, 5588, 5589, 5587, 1751, 6592, 1750, 6598, 1336, 7435, 7437, 7663)

Las normas nacionales anteriores se han aplicado a los siguientes elementos

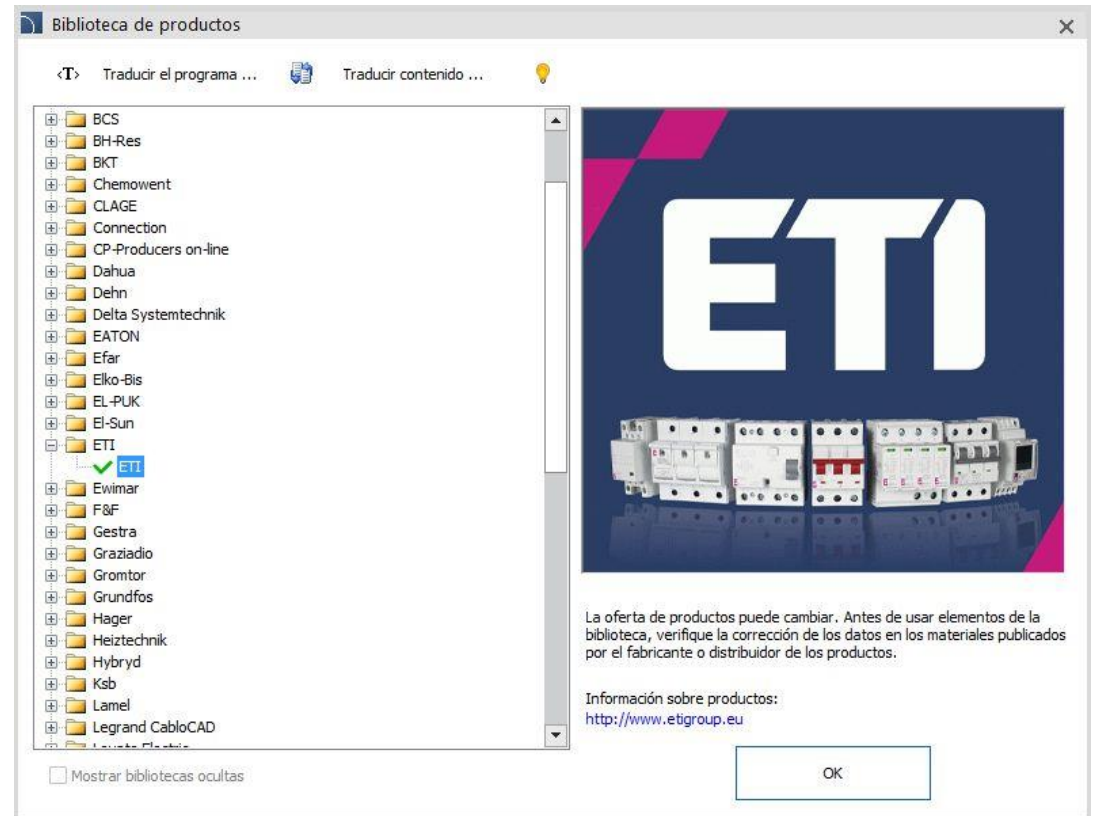
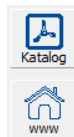
- tornillos
- tuercas,
- agujeros de paso para tornillos,
- agujeros roscados,
- tornillos pequeños,
- pasadores,
- pernos,
- chavetas,
- perfiles de acero,
- varillas y tubos de acero



✓ CADprofi OEM – ampliación de la biblioteca ETI

La biblioteca de productos de ETI se ha actualizado y ampliado con nuevos productos en el área de equipos de baja tensión y aparamenta.

Además, el cuadro de diálogo de selección de productos se ha ampliado con la posibilidad de acceder rápidamente al catálogo en PDF y al sitio web del fabricante con información sobre los productos.

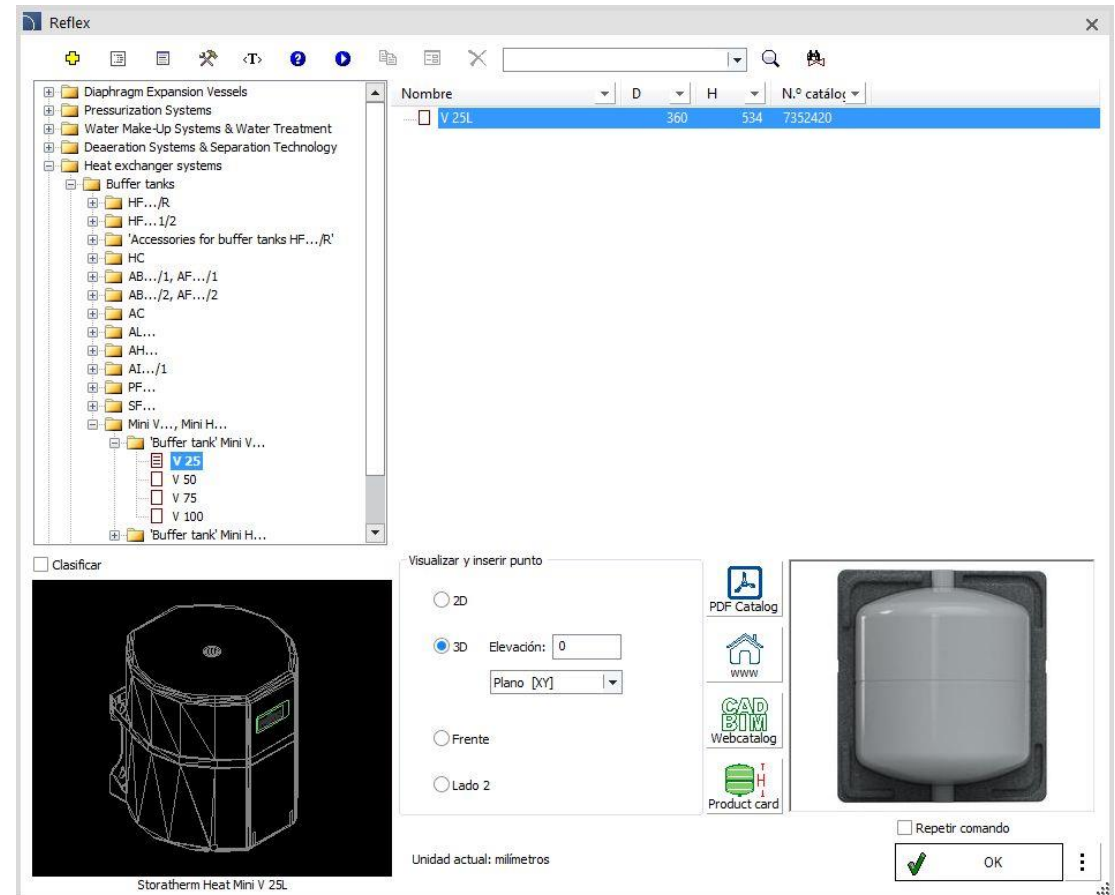


✓ CADprofi OEM – ampliación de la biblioteca Reflex

La biblioteca Reflex se ha ampliado con nuevos tipos de series para los siguientes productos:

- tanques buffer Mini V..., Mini H
- accesorios para la estación de preparación de agua caliente sanitaria Hydroflow,
- sistemas de estabilización de presión de la serie Reflexomat RS,

Además, se ha actualizado el grupo tanques buffer de la serie HW.





CADprofi

✓ Ajuste a muchos programas CAD

El programa CADprofi versión 2024.13 ha sido ajustado para trabajar con los últimos programas CAD, incluyendo: AViCAD 2025, CADdirect 2025, CADian 2024 12.1, GstarCAD 2025, INTERsoft-INTELLICAD 2024.

El programa CADprofi 2024 funciona actualmente con muchos programas CAD, incluyendo: AutoCAD (desde la versión 2004), BricsCAD, GstarCAD, progeCAD, ZWCAD, ARES Commander.

The logo for AutoCAD, with "AutoCAD" in red and a registered trademark symbol.

The logo for ZWCAD, with "ZWCAD" in blue and a green leaf-like shape above the "W".

The logo for GstarCAD, with "GstarCAD" in blue and yellow, and the tagline "An Alternative CAD System" below it.

The logo for BricsCAD, featuring a blue stylized "B" shape above the text "BRICSCAD".

The logo for progeSOFT, featuring a blue globe with a yellow "I" shape inside, above the text "progeSOFT".

The logo for IntelliCAD, featuring a purple diamond shape with a yellow "I" shape inside, above the text "IntelliCAD".

The logo for Gräbert ARES Commander, featuring a red stylized flame or wing shape above the text "Gräbert ARES® Commander".



CADprofi



CADprofi 2024.07/09

✓ CADprofi OEM – dynamic determination of the protection zone for masts

Dynamic determination of lightning protection areas for a multi-mast system using the rolling ball method for four LPS protection classes has been introduced to the EI-Sun library that is available in the CADprofi program.

Program allows to:

- designation and visualization of the protection zone at given heights;
- ability to designate several 'isolines' for different heights of the protection zone with the option of hatching protection areas;
- determining the top penetration for masts in side view;
- taking into account different heights of masts and their installation height;
- automatic update of protection zones when moving, deleting or copying masts;
- automatic calculation of the optimal distance between masts for the **Arrange** function.

View and insertion point

2D Top

2D Side

Height of protection zone (h₀): [m]

Height of protection zone (h₁): [m]

Height of protection zone (h₂): [m]

Reference height: [m]

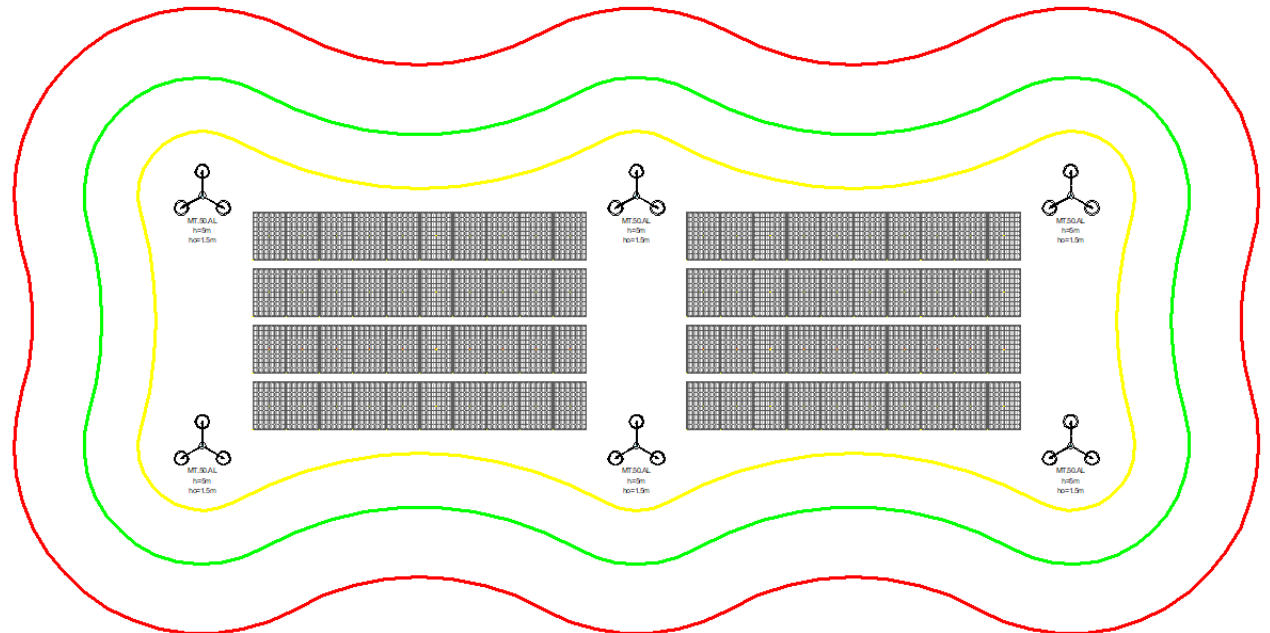
Protection class: ▼

Text height: ▼

Dimensioning: ▼

Protection angle

Rolling ball



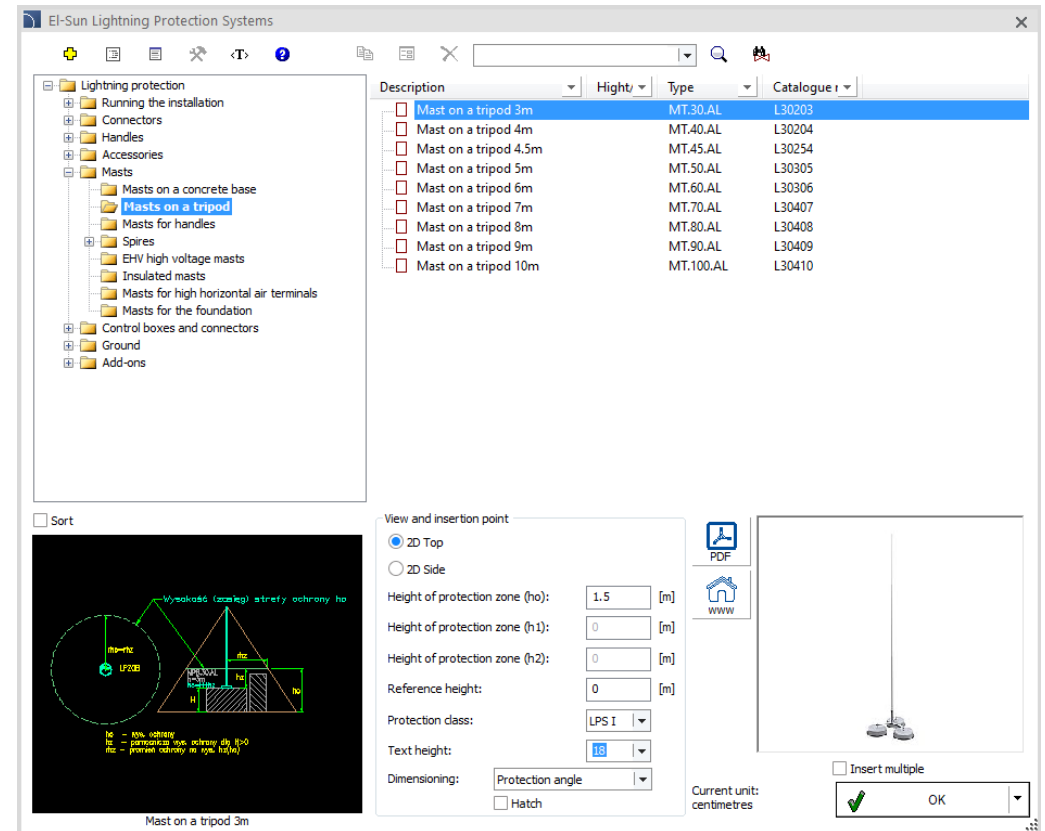
Dynamic determination of lightning protection areas is available in the latest versions of AutoCAD, BricsCAD, GstarCAD and ZWCAD.

✓ CADprofi OEM – new El-Sun library

A system for designing lightning protection installations by using *El-Sun* products was introduced to the CADprofi program. The library contains:

- Horizontal terminals and discharge pipes.
- Connectors – universal, parallel, cross, through, wire-rod, wire-hoop, hoop-hoop, gutter.
- Clamp holders.
- Masts and spiers.
- Control boxes and connectors.
- Ring, foundation and pin earthing.
- Accessories and add-ons.

Additionally, program enables the design of installations in four LPS protection classes and the determination of mast protection zones using the cone method (protective angle).

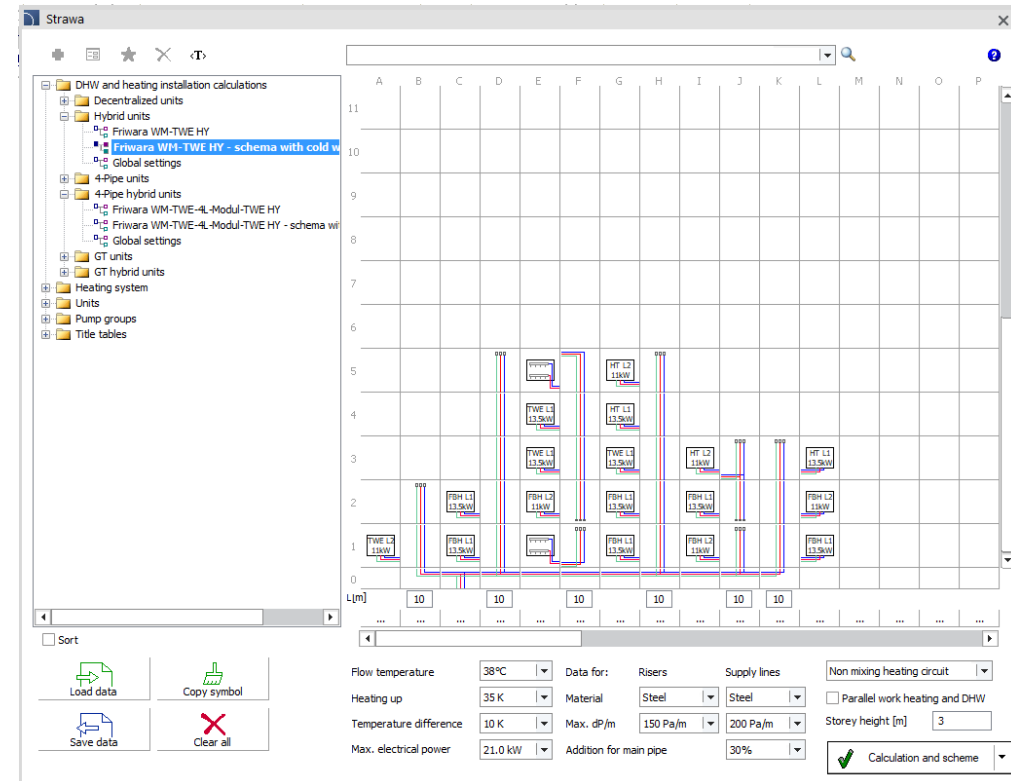



Description	Height	Type	Catalogue
Mast on a tripod 3m		MT.30.AL	L30203
Mast on a tripod 4m		MT.40.AL	L30204
Mast on a tripod 4.5m		MT.45.AL	L30254
Mast on a tripod 5m		MT.50.AL	L30305
Mast on a tripod 6m		MT.60.AL	L30306
Mast on a tripod 7m		MT.70.AL	L30407
Mast on a tripod 8m		MT.80.AL	L30408
Mast on a tripod 9m		MT.90.AL	L30409
Mast on a tripod 10m		MT.100.AL	L30410

✓ CADprofi OEM – new Strawa library

Strawa library enables automatic selection of devices, performing hydraulic calculations and generating extended installation diagrams, as well as generating diagrams of boiler rooms and other heat sources along with buffer systems. The library facilitates the development of optimal solutions for heating and sanitary installations, offering the following possibilities:

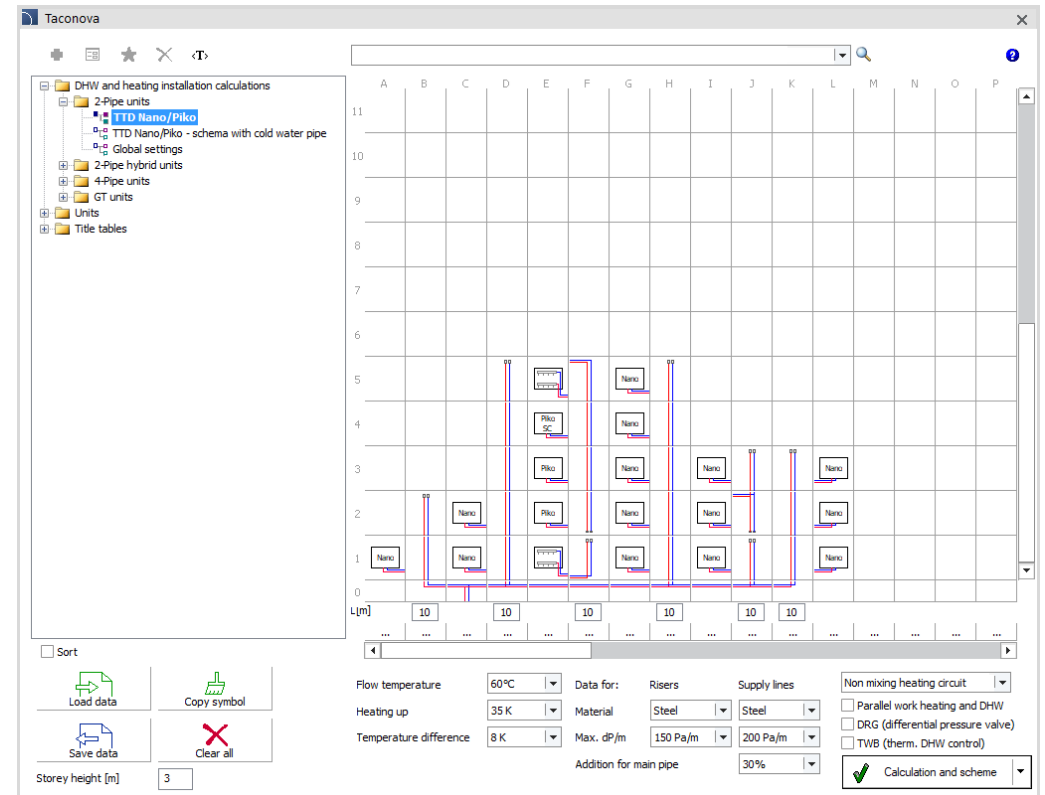
- Instant selection of receivers (residential stations and distributors) in the installation scheme creator window.
- Set heating power and/or domestic hot water demand separately for each receiver.
- Determining the general parameters of the installation and choosing the method of calculation.
- Selection of the type of pipes for risers and supply lines.
- Possibility to design installations for 2-wire and 4-wire stations.
- Calculating the actual demand for thermal power while taking into account the heater power in hybrid stations.
- Full hydraulic calculations with selection of pipe diameters, flow rates and determination of pressure drops.
- Calculation of the heat source power and peak power for domestic hot water.
- Selection of buffer sizes and pump types, i.e. buffer loading pump and circulation pump.
- Automatic drawing of heating installation layouts.
- List of pipe quantities.
- Multi-variant selection of elements in the boiler room diagram creator window, including: heat sources, number and arrangement of buffers (serial, Tichelmann or switched), pump groups, etc.



✓ CADprofi OEM – new Taconova library

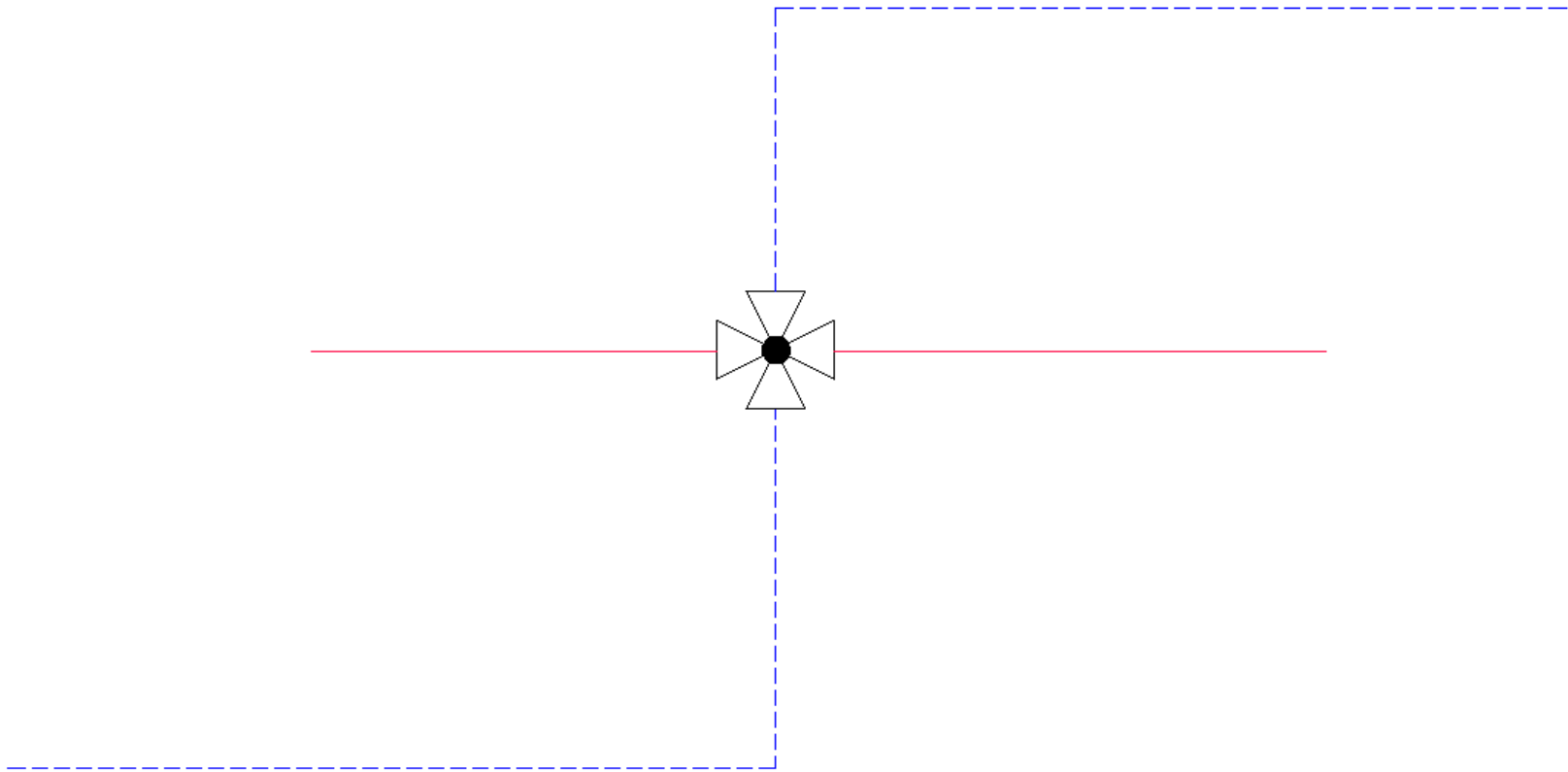
Taconova library has been introduced into the CADprofi program and enables automatic selection of devices, performing hydraulic calculations and generating expanded installation diagrams. This tool supports the designer in order to prepare heating and sanitary installations. Library allows user to:

- Instant selection of receivers (residential stations and distributors) in the installation scheme creator window.
- Set heating power and/or domestic hot water demand separately for each receiver.
- Determining the general parameters of the installation and choosing the method of calculation.
- Selection of the type of pipes for risers and supply lines.
- Possibility to design installations for 2-wire and 4-wire stations.
- Full hydraulic calculations with selection of pipe diameters, flow rates and determination of pressure drops.
- Calculation of the heat source power and peak power for domestic hot water needs.
- Selection of buffer sizes and pump types, i.e. buffer loading pump and circulation pump.
- Automatic drawing of installation layouts.
- List of pipe quantities.



✓ CADprofi – inserting cross symbols in polylines

The functionality of inserting cross symbols has been extended in the CADprofi program. Until now, such symbols could only be inserted into intersecting lines. Currently, the program allows user to insert cross symbols also into intersecting polylines and into a line intersecting with a polyline.

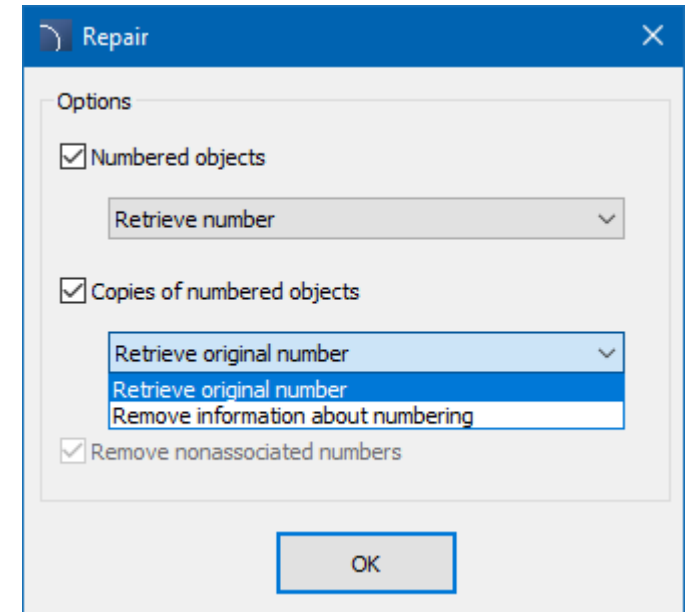
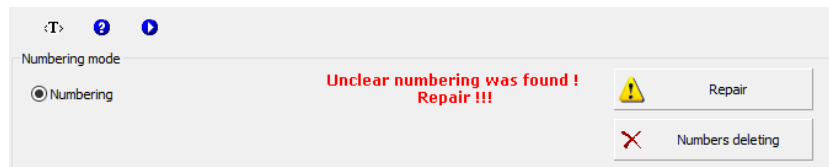


✓ CADprofi – "Numbering" command extended functionality

After detecting ambiguities in numbering, program informs about the lack of connections between objects and numbers and allows their synchronization.

The "Repair" button displays a dialog box with options for this synchronization. User can:

- recover the number or remove numbering information from the object or its copy,
- remove nonassociated numbers.

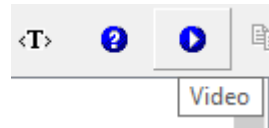




CADprofi

✓ CADprofi – links to video tutorials directly in the program

A button has been added to the CADprofi program dialog windows, allowing user to quickly go to the appropriate video showing how to use a given command. Video tutorials show step by step how to create projects using the CADprofi add-on.




CADprofi Architectural movie

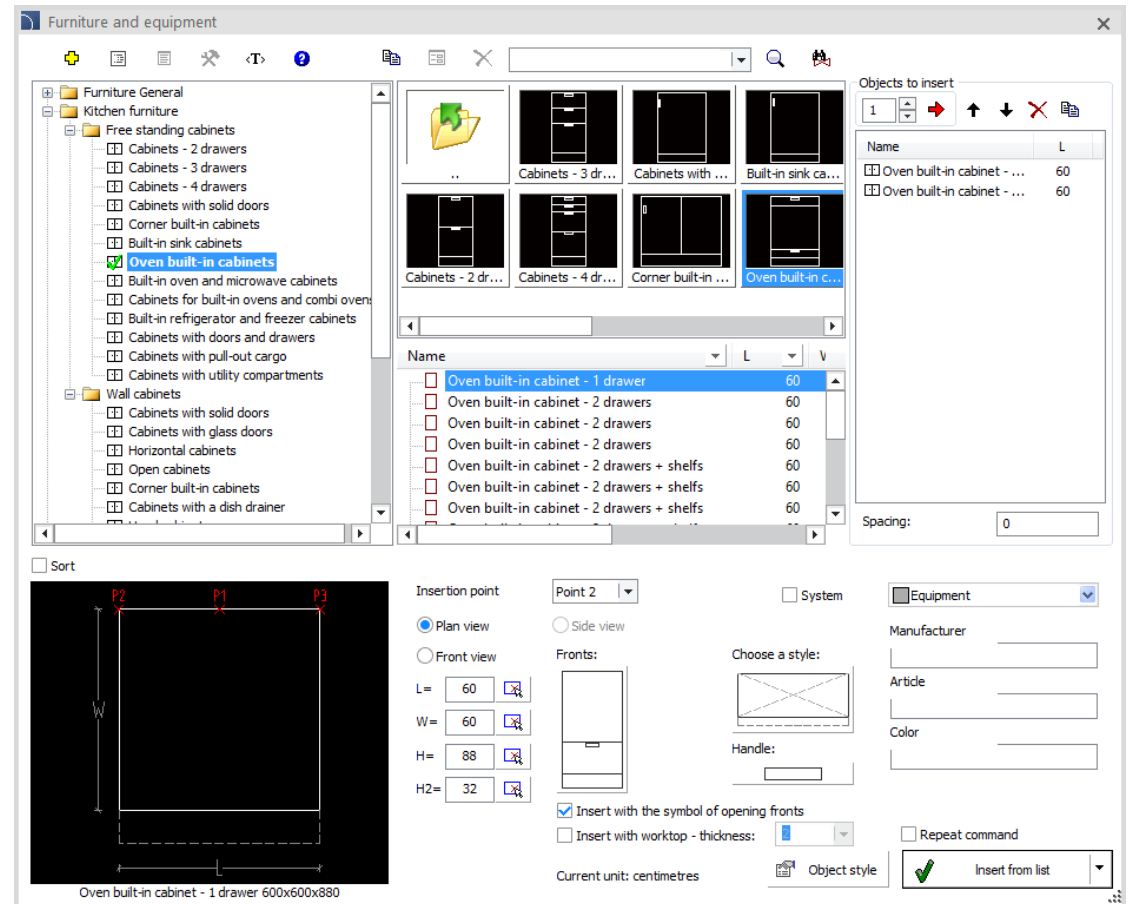
- Quick skip to movie scene:
- Drawing single and multi-layered walls
 - Chimneys, culverts and gravity ventilation
 - Inserting woodwork (doors and windows)
 - Room definitions
 - Designing stairs
 - Furniture and equipment library
 - Designing roofs
 - Architectural dimensioning
 - Cross-section and elevation views
 - Roof gutter system
 - Spot height and topographic signs
 - Creating specifications and legends
 - Preparation for printing



✓ CADprofi Architectural – free standing and wall cabinets

Free standing and wall kitchen furniture has been added to the *Furniture and equipment*  command, including:

- cabinets with 2, 3 and 4 drawers,
- built-in oven cabinets,
- cabinets for built-in refrigerators and freezers,
- corner built-in cabinets,
- built-in sink cabinets,
- cabinets with solid and glass doors,
- cabinets with pull-out cargo,
- cabinets with doors and drawers,
- cabinets with utility interior,
- horizontal cabinets,
- hood cabinets,
- microwave cabinets,
- cabinets above the fridge,
- cabinets with a drainer for dishes,
- open cabinets.

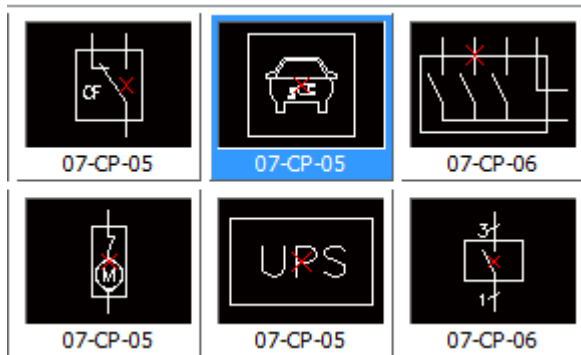


✓ CADprofi Electrical – extension of the library of switchboards and IEC, NFPA symbols

The *Switchboard* command has been extended to include additional product types:

- surface-mounted and flush-mounted switchboards, 1 row, 18 and 22 modules;
- surface-mounted and flush-mounted switchboards, 4-7 rows (36 modules/row).

Additionally, the *IEC, NFPA Symbols* library has been expanded with new symbols.



The screenshot shows the 'Switchgears' library window with a tree view on the left and a table of components in the center. The table lists various switchboard configurations with their dimensions and prices.

Configuration	Price	Width (mm)	Height (mm)
1 row			
3-modules, (1x3)	32.00	27.5	
6-modules, (1x6)	32.00	27.5	
8-modules, (1x8)	32.00	27.5	
12-modules, (1x12)	32.00	27.5	
18-modules, (1x18)	46.00	27.5	
22-modules, (1x22)	53.00	27.5	
2 rows			
24-modules, (2x12)	32.00	40.5	
36-modules, (2x18)	41.50	40.5	
48-modules, 2x(2x12)	59.50	40.5	
3 rows			
36-modules, (3x12)	32.00	53.0	
54-modules, (3x18)	41.50	53.0	
72-modules, (3x24)	52.50	53.0	
72-modules, 2x(2x18)	59.50	53.0	
108-modules, 3x(3x12)	80.00	53.0	
144-modules, 4x(3x12)	105.00	53.0	
4 rows			
48-modules, (4x12)	32.00	65.5	

The configuration dialog for the selected '3-modules, (1x3)' switchboard shows the following settings:

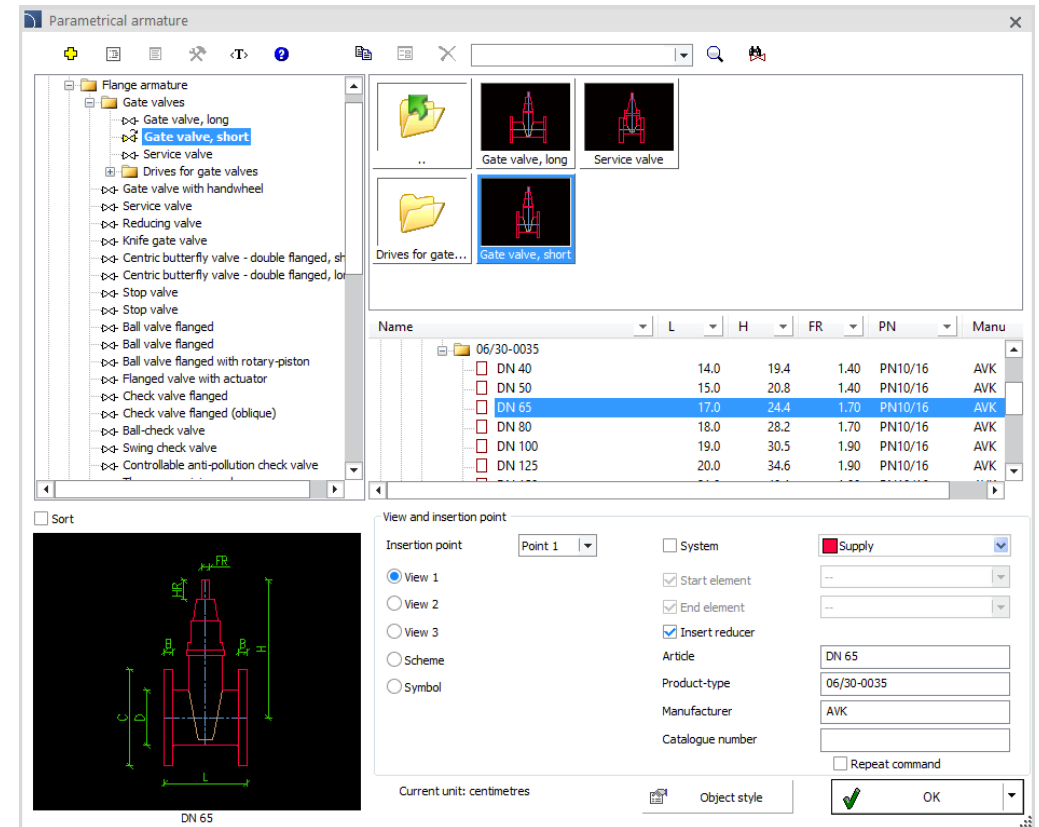
- View and insertion point: 2D
- System: L1
- Article: 3-modules, (1x3)
- Manufacturer: (empty)
- Catalogue number: (empty)
- Other: (empty)
- Labels' autonumbering: checked
- Reserve when choosing a cabinet (max 90%): Auto
- Repeat command: unchecked
- Current unit: centimetres
- Object style: OK

A diagram of a flush-mounted enclosure is shown at the bottom, with dimensions A, A1, and C indicated.



✓ CADprofi HVAC & Piping – extension of the flange fittings library

Gate valves without drives and Drives for gate valves have been added to the *Parametrical armature* command as separate objects.


Additionally, a list of available *wedge gate valves with handwheel* has been enriched with new types according to the Hawle catalogue.

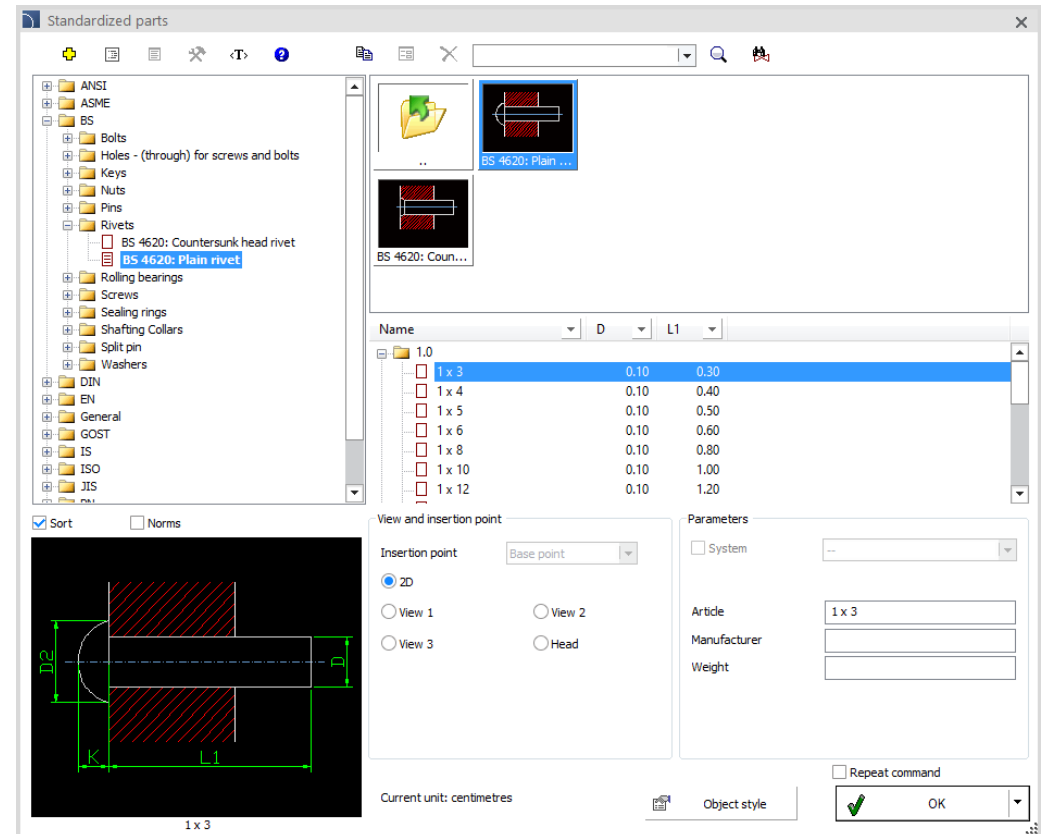


✓ CADprofi Mechanical – British Standards (BS)



The *Steel shapes*  and *Standardized Parts*  have been extended with products prepared in accordance to British Standards (BS), including:

- round head and flat head rivets;
- cylindrical, conical, spring and parallel and tapered notched pins;
- cotter pins;
- holes;
- screws with cylindrical and countersunk heads;
- mortise wedges;
- sealing rings;
- ball and spherical roller bearings;
- isosceles and non-isosceles angles;
- economical and hot-rolled channels;
- closed sections;
- welded, seamless and stainless steel pipes.

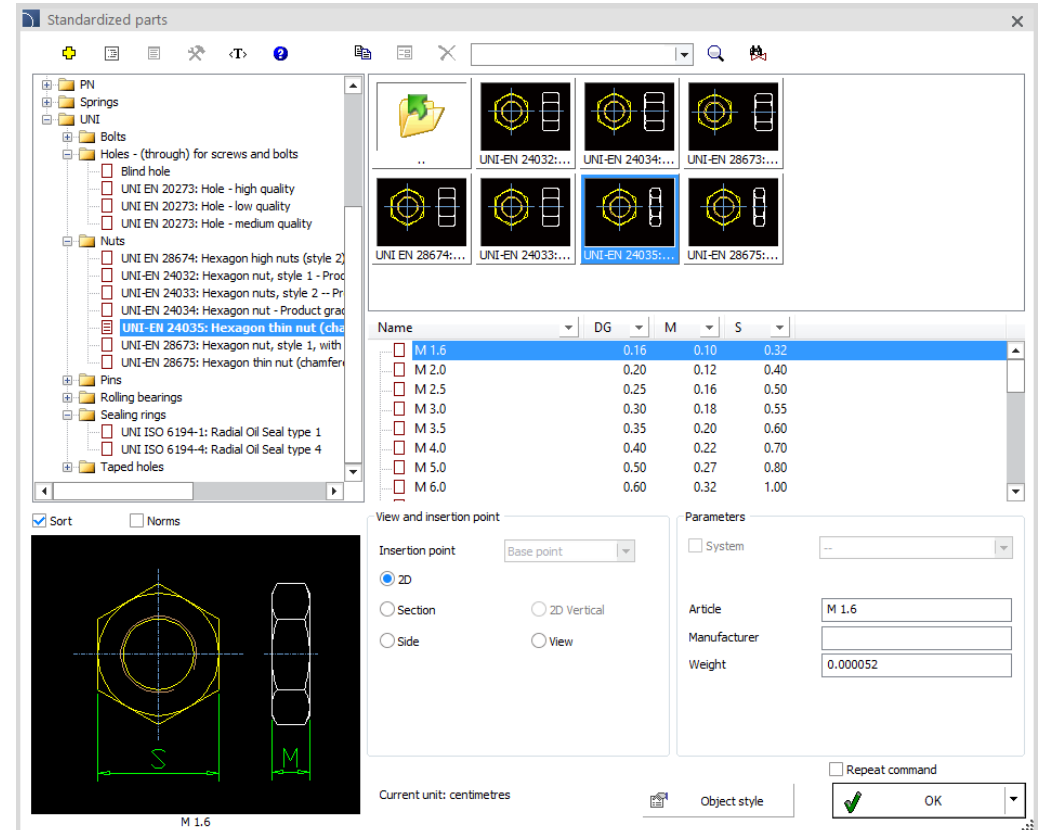
Additionally, the DIN 931-1 and DIN 933 standards (hexagonal head screw) have been added to the *Standardized Parts*  command.



✓ CADprofi Mechanical – Ente Nazionale Italiano di Unificazione (UNI) standards

The *Steel shapes*  and *Standardized Parts*  have been extended with products prepared in accordance to the Italian standardization - Ente Nazionale Italiano di Unificazione (UNI), including:

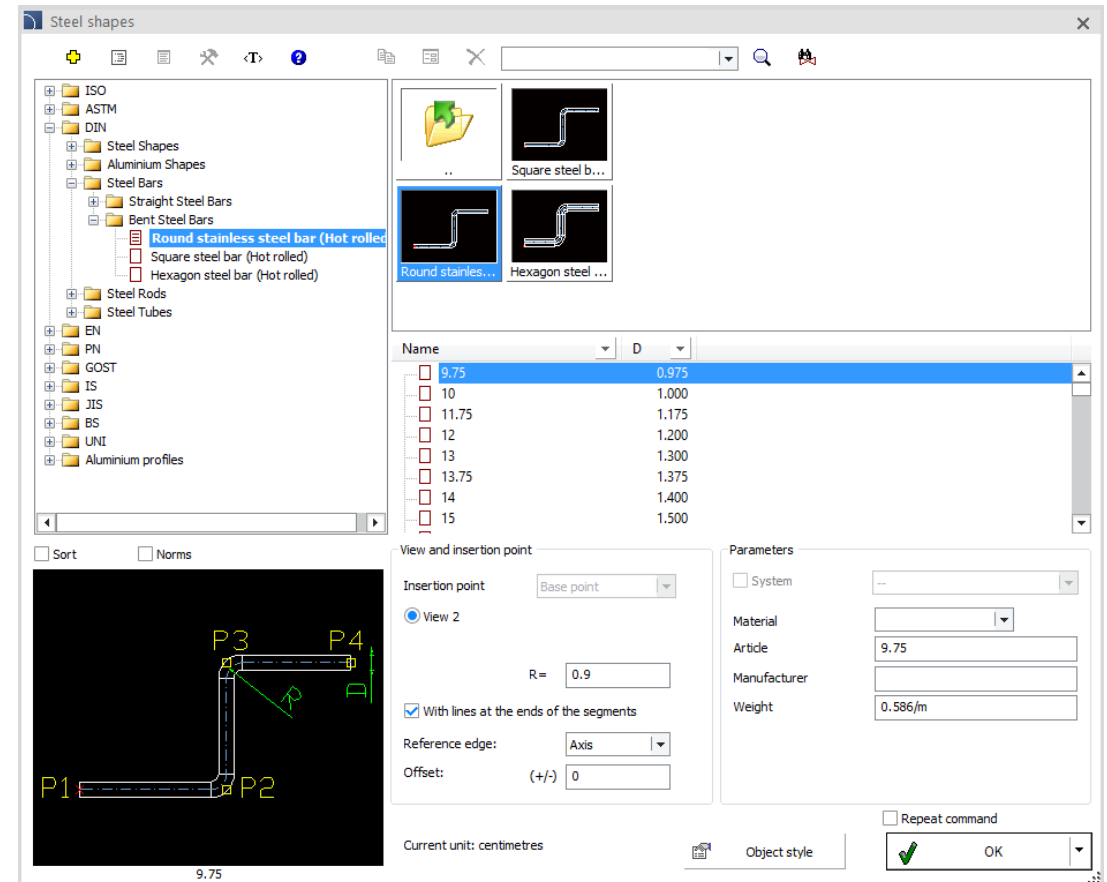
- pins,
- bearings,
- nuts,
- threaded holes,
- transition holes for bolts and screws,
- sealing rings,
- screws,
- steel sections,
- steel bars and pipes.



✓ CADprofi Mechanical – extension of the "Steel shapes" command

Straight and bent steel bars available in the *Steel shapes* command have been extended with new possibilities, including:

- ability to draw elements one after the other without interruption (creating a sequence of elements),
- ability to draw straight elements with elbows (creating a sequence of bent elements).



✓ CADprofi OEM – extension of the Noark Electric library

The *Noark Electric* library has been expanded with new products, including:

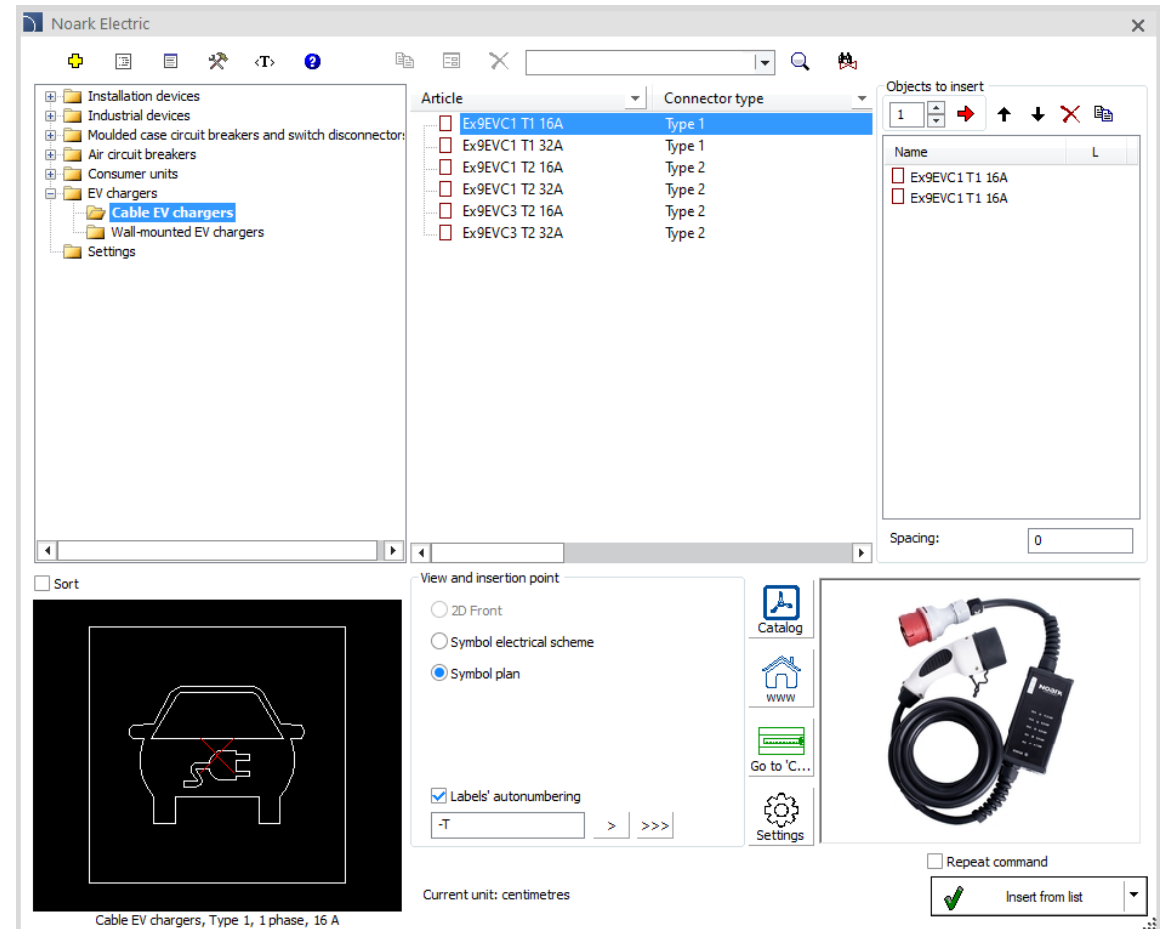
- flush-mounted and surface-mounted installation casings made of plastic, metal and multimedia;
- distribution blocks;
- service sockets;
- connecting busbars;
- insulating terminals;
- terminal blocks;
- chargers for electric cars.



Additionally, the library has been expanded to include the ability to automatically select cabinets based on the devices used in the project and to determine the size of labels for products.



Choose an Noark Electric cabinet for the selected apparatus from the drawing

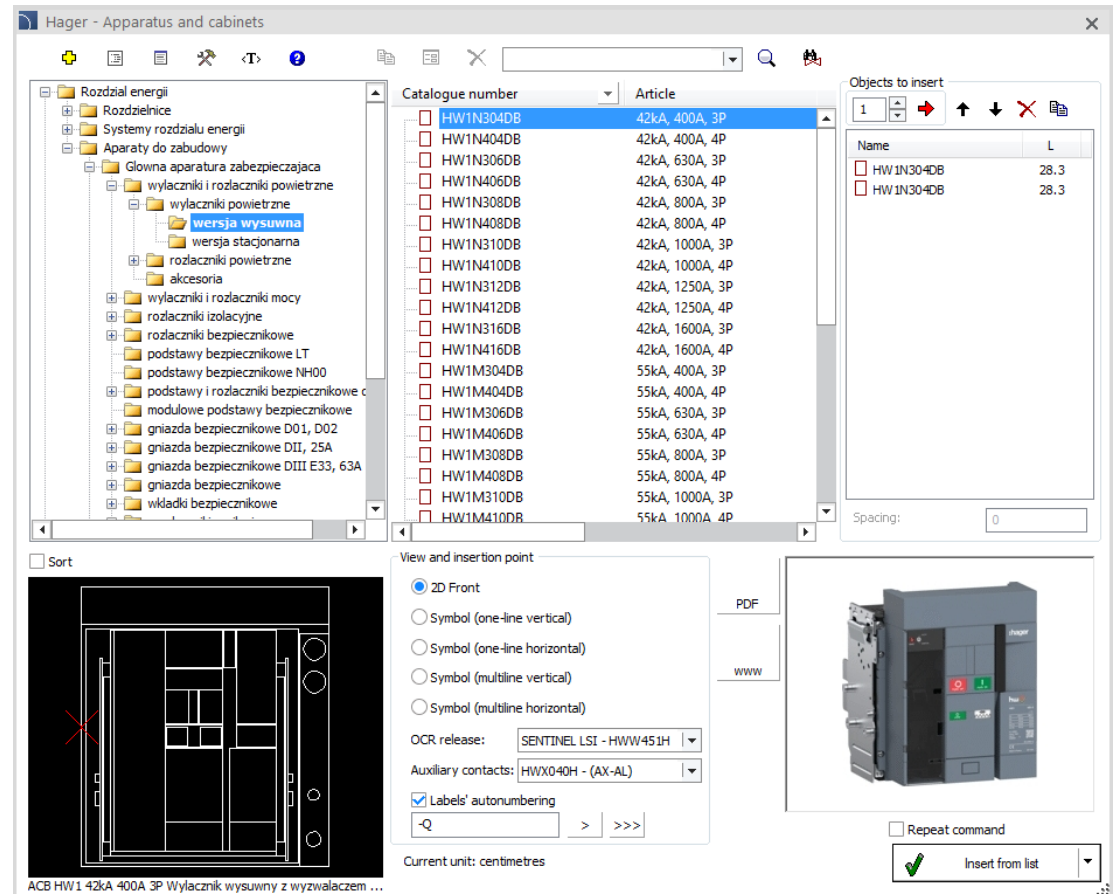


✓ CADprofi OEM – extension of the Hager library

Hager library has been expanded with a new series of hw+ air circuit breakers and switch disconnectors:

- air circuit breakers in fixed and withdrawable versions;
- air switches in stationary and withdrawable versions;
- elements of the univers NHC building system;
- additional accessories: shunt and undervoltage releases, closing coils, motor drives, auxiliary and signaling contacts, mechanical interlocks.

Hager library is only available in Polish language.

The screenshot shows the Hager CAD software interface with the following components:

- Tree View:** A hierarchical tree structure on the left showing the library organization, including folders like "Rozdzial energii", "Systemy rozdzialu energii", and "Aparaty do zabudowy".
- Table:** A central table listing various circuit breaker models with their specifications.

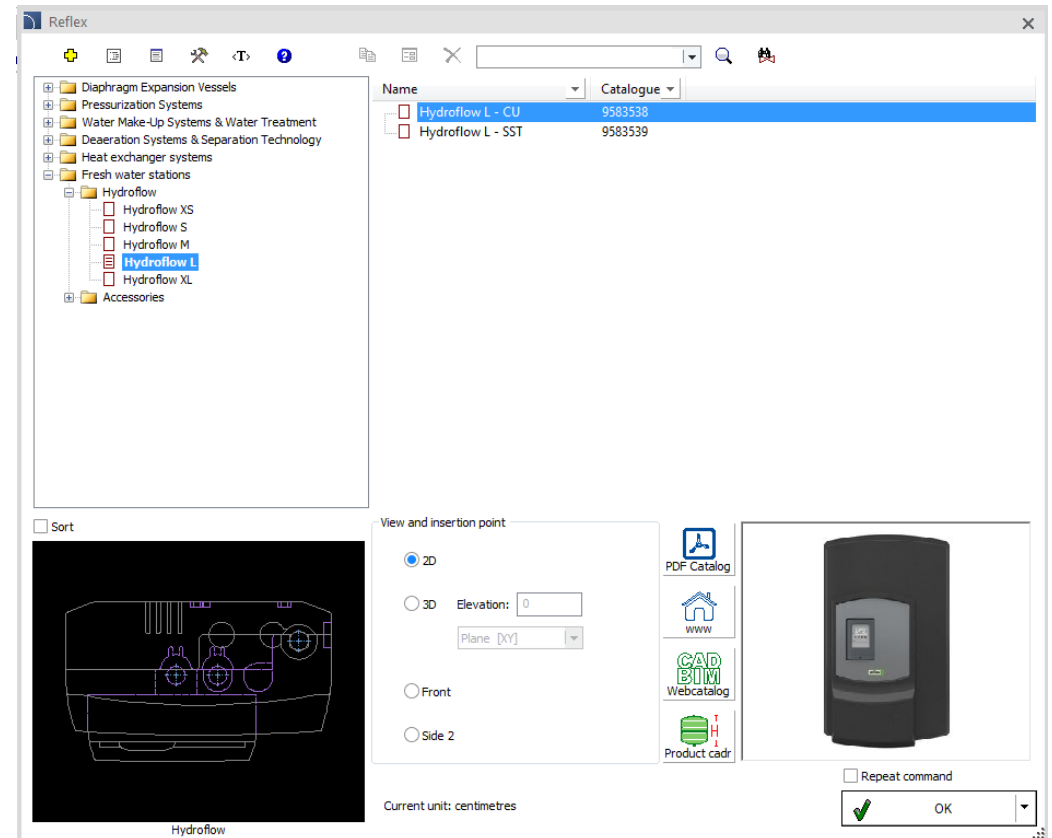
Catalogue number	Article
<input type="checkbox"/> HW1N304DB	42kA, 400A, 3P
<input type="checkbox"/> HW1N404DB	42kA, 400A, 4P
<input type="checkbox"/> HW1N306DB	42kA, 630A, 3P
<input type="checkbox"/> HW1N406DB	42kA, 630A, 4P
<input type="checkbox"/> HW1N308DB	42kA, 800A, 3P
<input type="checkbox"/> HW1N408DB	42kA, 800A, 4P
<input type="checkbox"/> HW1N310DB	42kA, 1000A, 3P
<input type="checkbox"/> HW1N410DB	42kA, 1000A, 4P
<input type="checkbox"/> HW1N312DB	42kA, 1250A, 3P
<input type="checkbox"/> HW1N412DB	42kA, 1250A, 4P
<input type="checkbox"/> HW1N316DB	42kA, 1600A, 3P
<input type="checkbox"/> HW1N416DB	42kA, 1600A, 4P
<input type="checkbox"/> HW1M304DB	55kA, 400A, 3P
<input type="checkbox"/> HW1M404DB	55kA, 400A, 4P
<input type="checkbox"/> HW1M306DB	55kA, 630A, 3P
<input type="checkbox"/> HW1M406DB	55kA, 630A, 4P
<input type="checkbox"/> HW1M308DB	55kA, 800A, 3P
<input type="checkbox"/> HW1M408DB	55kA, 800A, 4P
<input type="checkbox"/> HW1M310DB	55kA, 1000A, 3P
<input type="checkbox"/> HW1M410DB	55kA, 1000A, 4P
- Objects to insert:** A panel on the right showing a list of selected items with their names and lengths (L).
- View and insertion point:** A panel at the bottom with options for 2D Front, Symbol (one-line vertical/horizontal), and Symbol (multiline vertical/horizontal). It also includes dropdowns for "OCR release" (SENTINEL LSI - HWW451H) and "Auxiliary contacts" (HWX040H - (AX-AL)).
- 3D Model:** A 3D rendering of a Hager air circuit breaker is shown on the right side of the interface.
- Buttons:** "PDF", "www", "Repeat command", and "Insert from list" buttons are visible at the bottom right.

✓ CADprofi OEM – extension of the Reflex library

Reflex library has been expanded with a new product range - Hydroflow domestic hot water preparation stations, SF buffer tanks and Reflexomat Silent Compact Smart (RSC Smart).

Additionally, the product selection window has been extended with the ability to quickly go to:

- manufacturer's website,
- selected product directly in the web catalog,
- product cards in PDF format.





CADprofi

✓ Update of product libraries:





CADprofi

✓ Adjustment to many base CAD programs

CADprofi 2024.07/09 has been adjusted to work with latest CAD programs, including: AutoCAD 2025, CADian 2024 and IntelliCAD 12.0.

CADprofi 2024 currently works with many base CAD programs including: AutoCAD (since 2004 version), ARES Commander 2024 BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD and others.

The logo for AutoCAD, featuring the word 'AutoCAD' in a bold, red, sans-serif font with a registered trademark symbol.

The logo for ZWCAD, featuring the word 'ZWCAD' in a bold, blue, sans-serif font with a green leaf-like graphic above the 'W'.

The logo for GstarCAD, featuring the word 'GstarCAD' in a bold, blue, sans-serif font with a yellow 'G' and 'A', and the tagline 'An Alternative CAD System' below it.

The logo for BRICSCAD, featuring a stylized blue 'B' shape above the word 'BRICSCAD' in a bold, black, sans-serif font.

The logo for progeSOFT, featuring a blue globe with a yellow 'I' shape above the word 'progeSOFT' in a blue, sans-serif font.

The logo for IntelliCAD, featuring a purple diamond shape with a yellow 'I' shape above the word 'IntelliCAD' in a bold, purple, sans-serif font.

The logo for Gräbert ARES Commander, featuring a red, stylized flame-like graphic above the text 'Gräbert ARES® Commander' in a bold, black, sans-serif font.



CADprofi



CADprofi 2024

Summary of main changes made in the program
since the CADprofi 2023.01 version.



CADprofi

Table of contents:

- [General functions \(all modules\)](#)
- [CADprofi Architectural](#)
- [CADprofi Electrical](#)
- [CADprofi HVAC & Piping](#)
- [CADprofi Mechanical](#)
- [Product library](#)
- [Compatibility with CAD programs](#)

✓ CADprofi – advanced „Numbering”

The *Numbering* ^① command has been improved in the latest version of CADprofi.

Currently, the program allows user to:

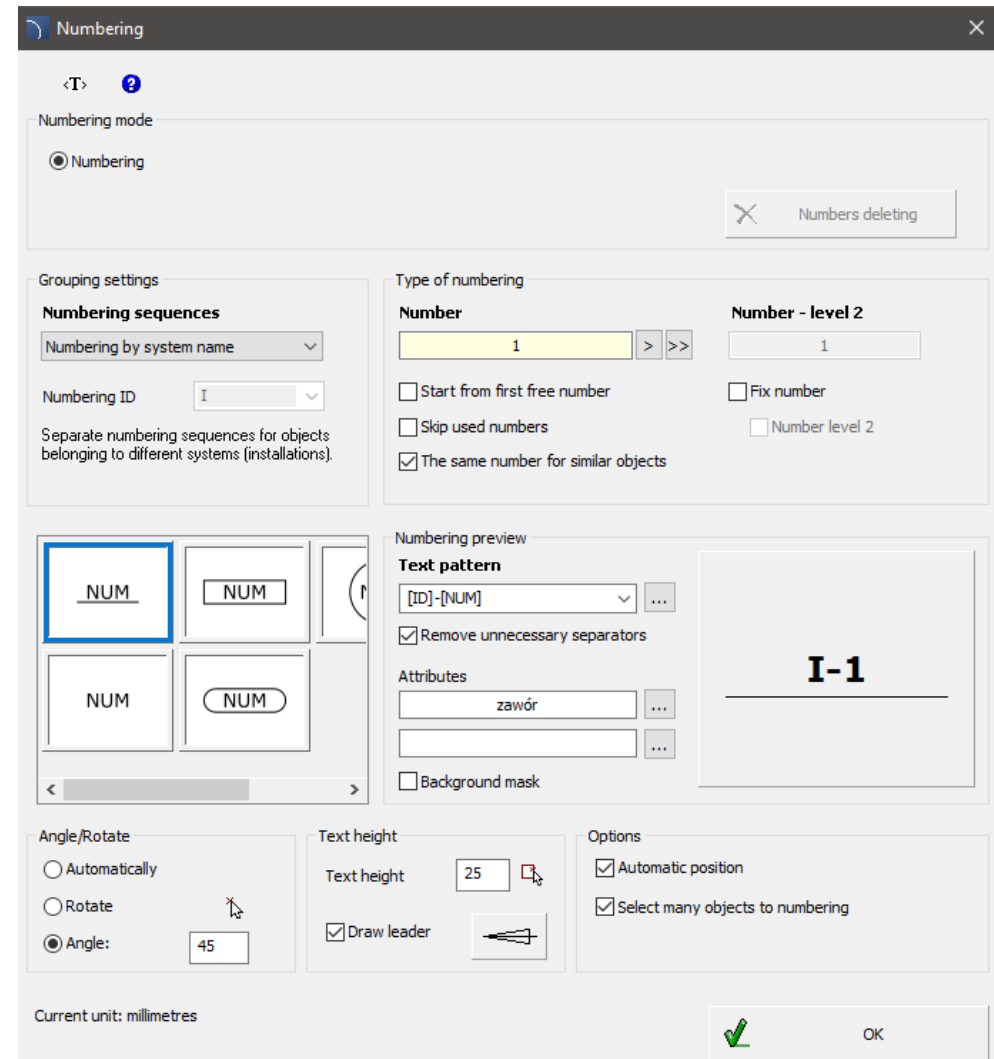
- define his own number sequences,
- separate numbering of different systems,
- determine the text pattern,
- define two-level numbering.

Additionally, user can define the numbering style and use attribute numbers and other data taken from numbered objects in symbols.

Thanks to this user has complete freedom to create numbers in accordance with the requirements of various industries.



[Watch movie](#)



✓ CADprofi – object placement (command extension)

In the latest version of the program, the *Arrange* command has been extended with the possibility of arranging objects in the dynamic area.

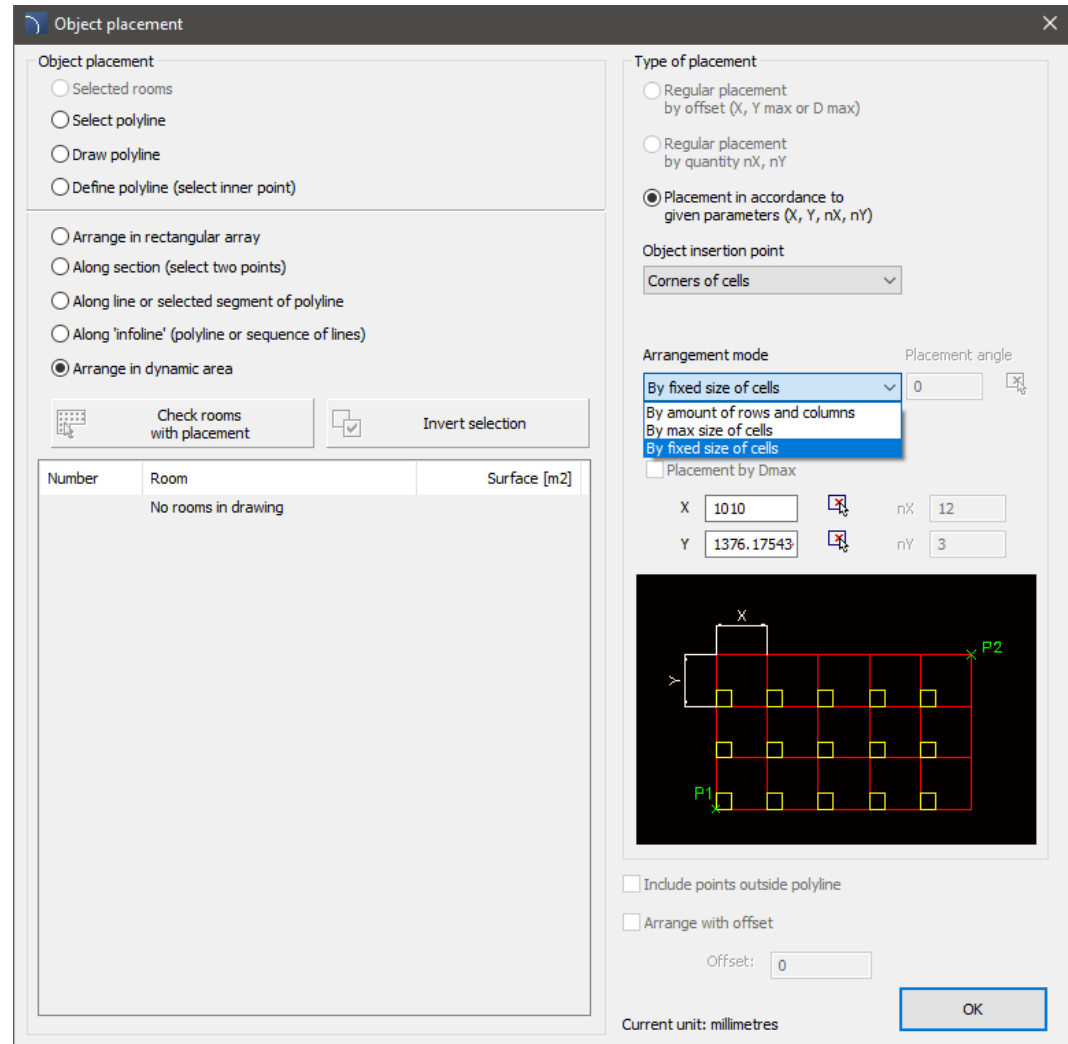
The "Arrange in dynamic area" option allows user to quickly and visually insert multiple copies of a given object at regular intervals.

Various options allow user to customize the arrangement of objects to his needs.



[Watch movie](#)

The *Arrange* command significantly speeds up e.g. placement of fire detectors, sprinklers, lighting, as well as objects such as photovoltaic panels and other objects.



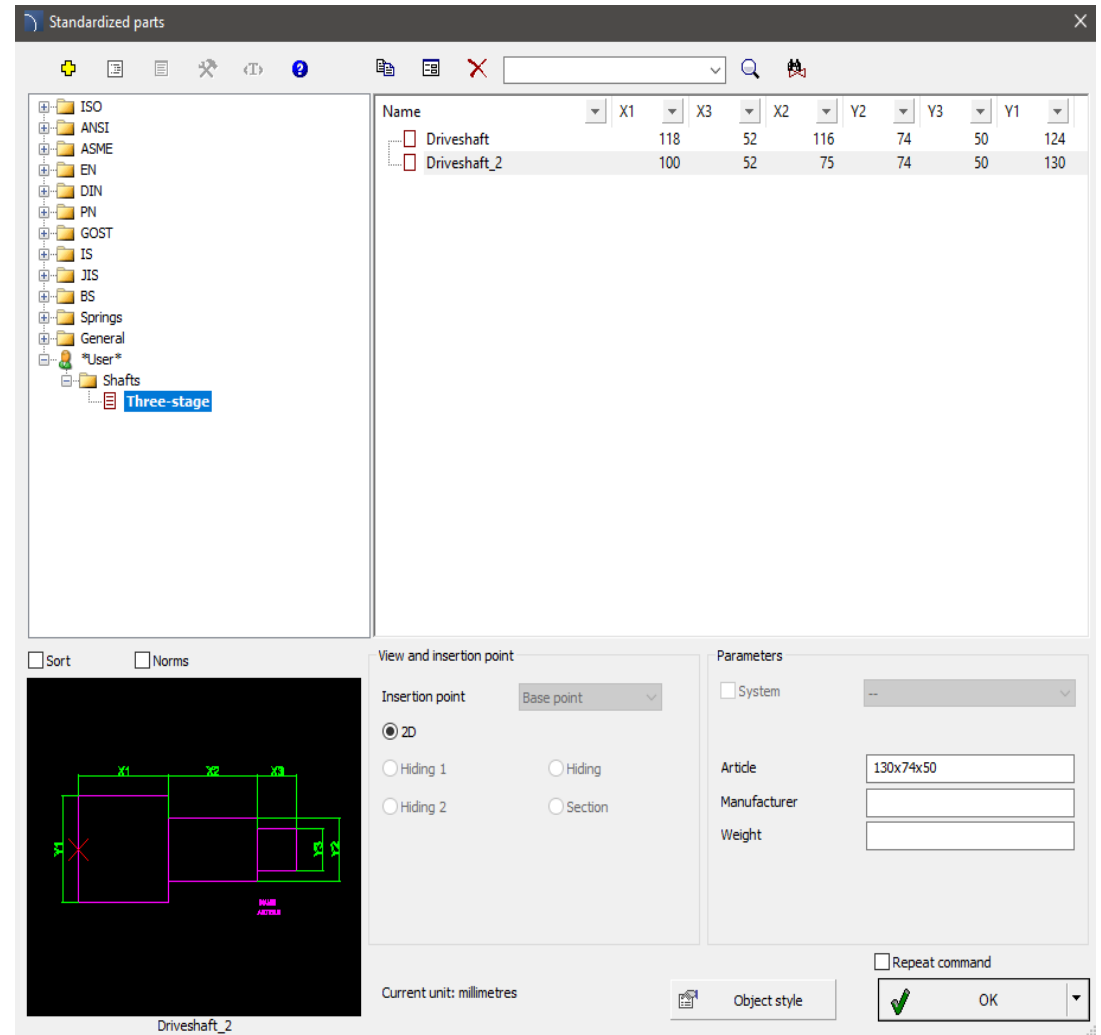
✓ CADprofi – user parametrical objects

The possibility to add user parametric objects has been introduced to CADprofi.

A parametrical object is an object that can contain any number of parametric dimensions. By changing the parameters, you can insert objects of various sizes into the program without having to draw each of the variants. Parameters can be freely edited by the user and saved in program's libraries.



[Watch movie](#)



Name	X1	X3	X2	Y2	Y3	Y1
Driveshaft	118	52	116	74	50	124
Driveshaft_2	100	52	75	74	50	130

Parameters for Driveshaft_2:

- System: --
- Article: 130x74x50
- Manufacturer:
- Weight:

View and insertion point: 2D, Hiding 1, Hiding 2, Hiding, Section

Current unit: millimetres

Repeat command:

Object style: OK

✓ CADprofi – dynamic connections between objects

Dynamic connections between objects have been introduced in CADprofi, which allows for mutual interaction, and changing one object may affect others. This allows user to automatically and instantly update the related object after any edit.

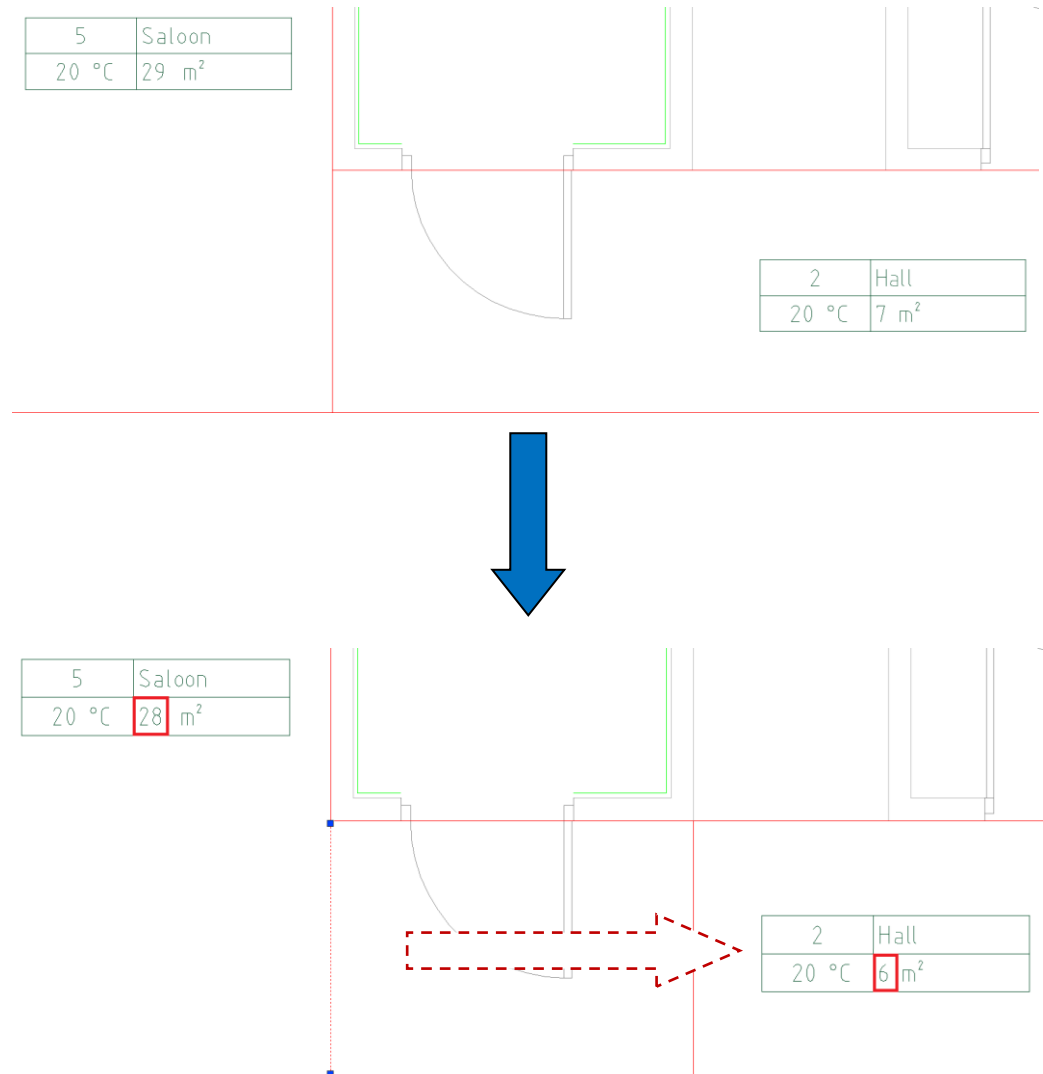
Examples:

- changing the area of the room outline will automatically update the room descriptions associated with it,
- changing the reference point will automatically update the level marks associated with it.


Dynamic object connections are available in the latest versions of AutoCAD, BricsCAD, GstarCAD, and ZWCAD.



[Watch movie](#)



✓ CADprofi Architectural – changes in the „Furniture and equipment” command

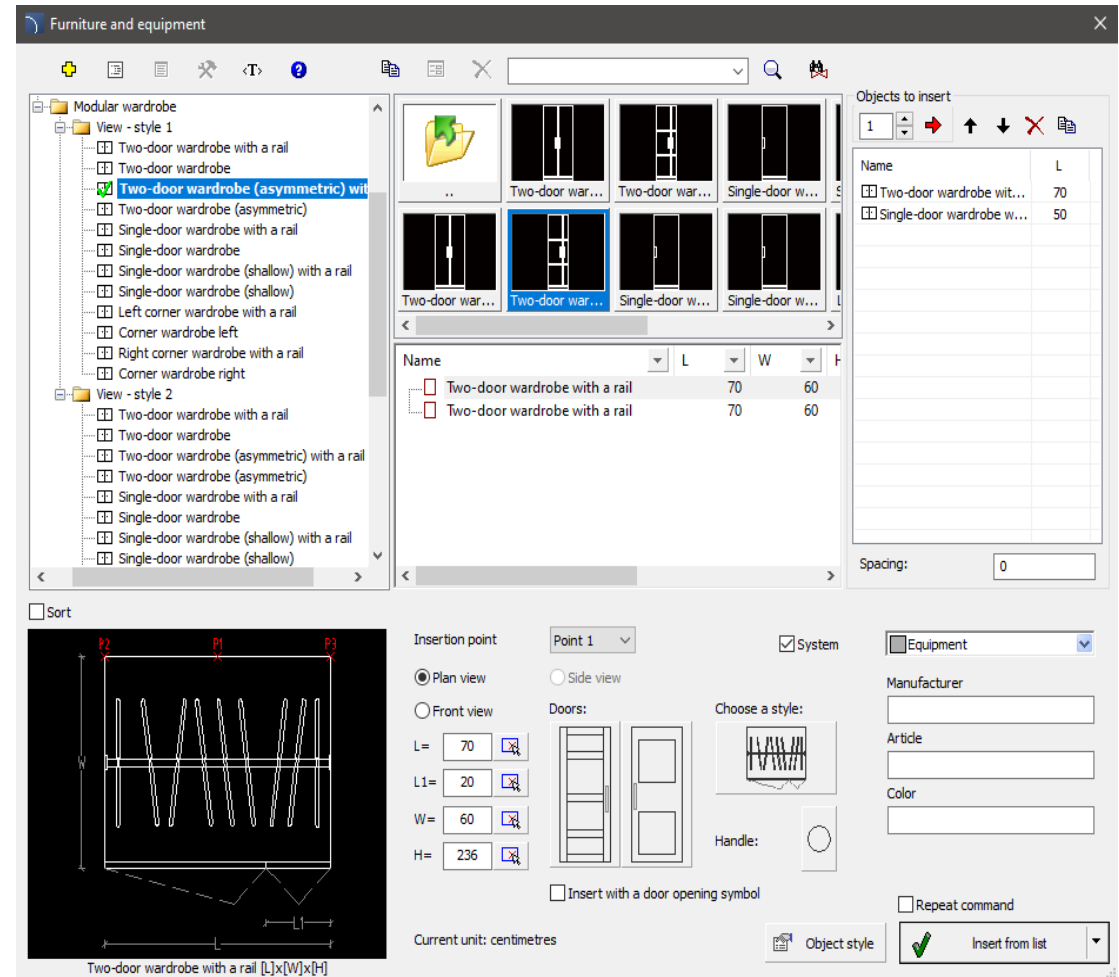
The *Furniture and equipment*  command has been extended with new functions and elements, including:

- a preview list with thumbnails that allows for quick and visual selection of an object,
- option to insert items from a list,
- modular cabinets in which user can choose the type of door, handle and cabinet size,
- kitchen hoods with possibility to automatically connect ventilation ducts of specific diameters.


Additionally, elements from other commands have been transferred to this command, including: fireplaces and waste containers.



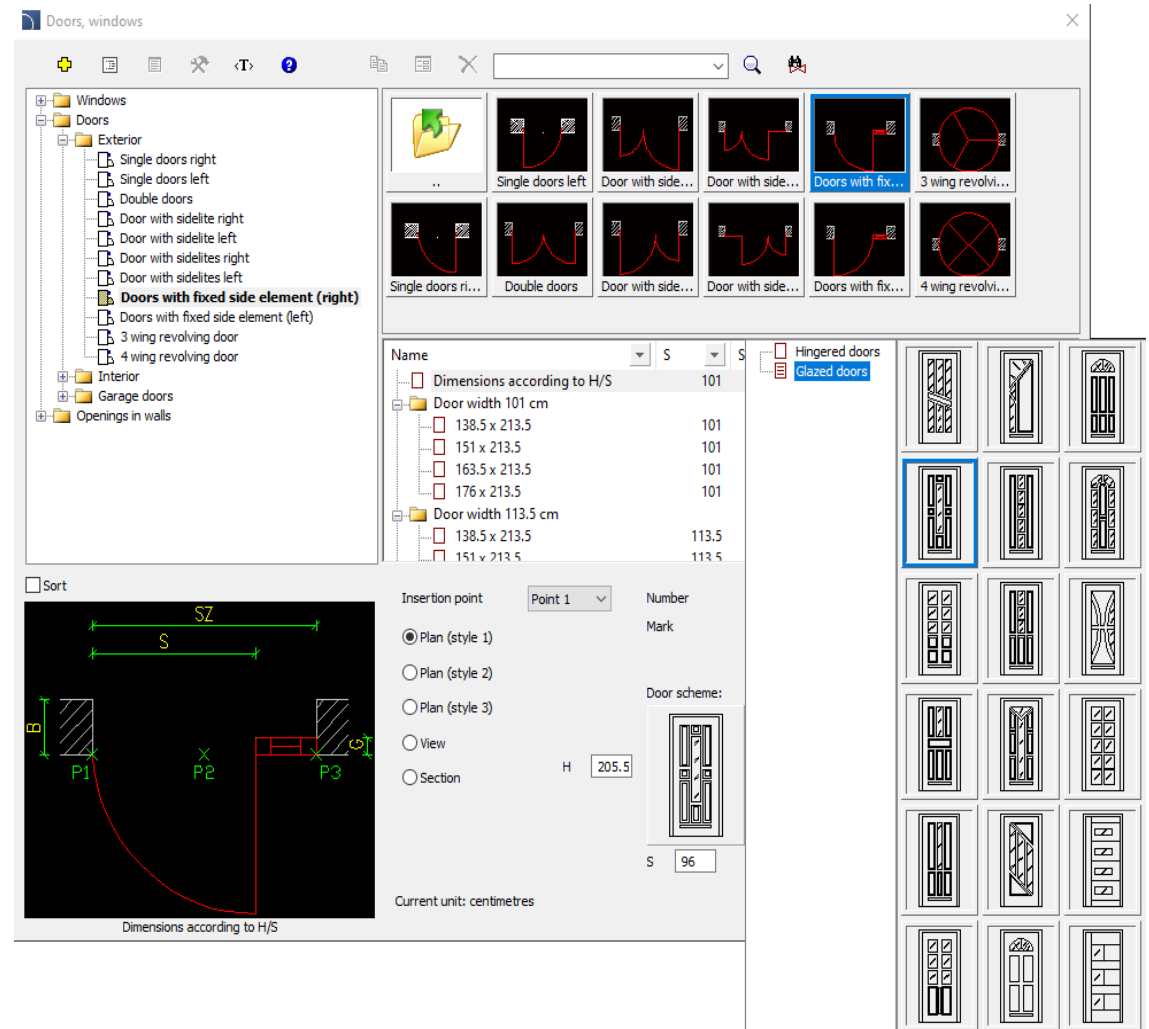
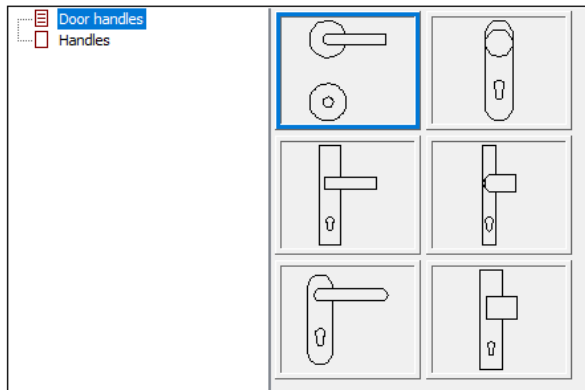
[Watch movie](#)




✓ CADprofi Architectural – extension of “Doors, windows” library

The *Doors, Windows*  library available in the CADprofi Architectural program has been extended with:

- new door schemes,
- new styles of door extensions,
- selection of door handle.



✓ CADprofi Electrical – extension of the „Scheme creator and templates” command

Scheme creator  available in the CADprofi Electrical program has been extended with the ability to enter markings for potential lines and including:

Ready-made clutch systems for:

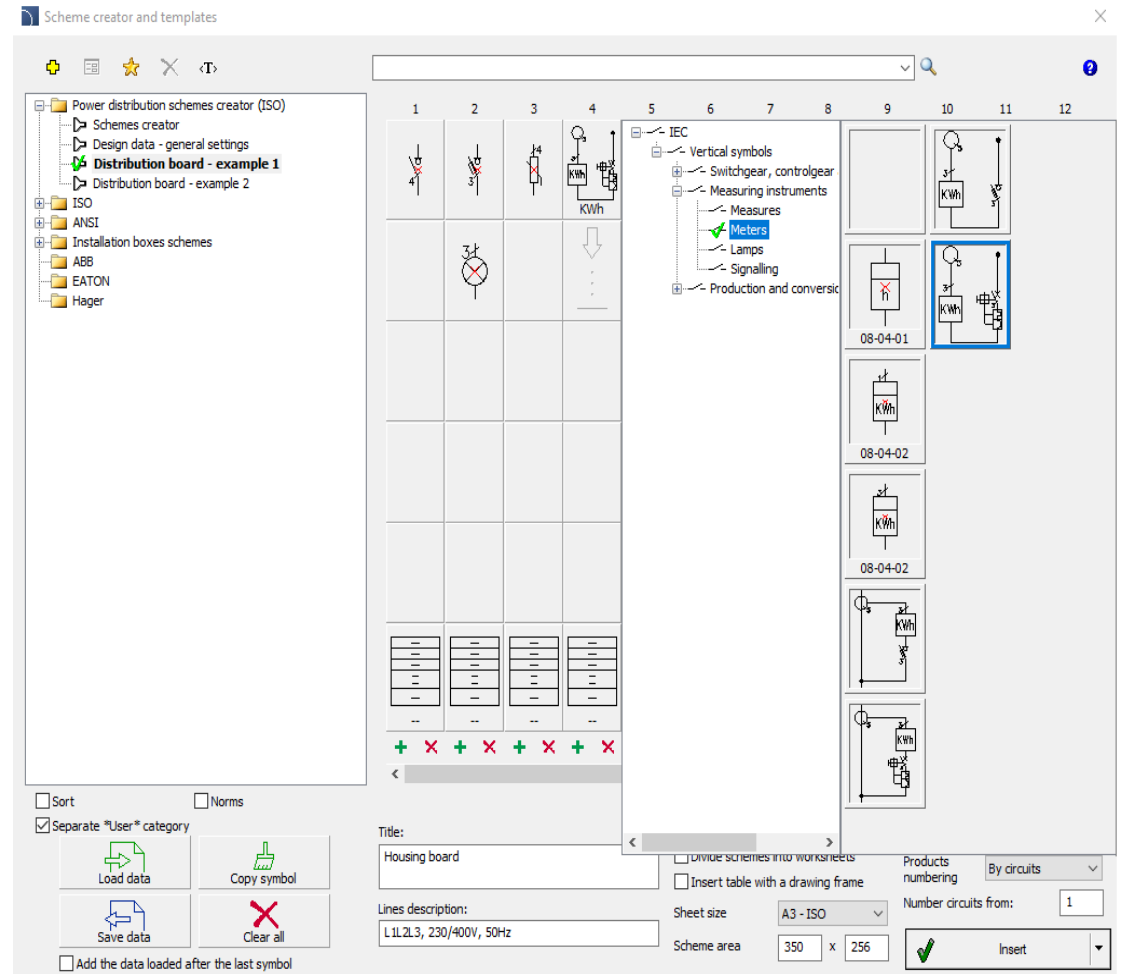
- load switches, compact and air,
- molded case and air circuit breakers.

Measuring systems:

- ammeter with current transformer, fuse or circuit breaker,
- network parameter analyzer with current transformers, fuse device or overcurrent circuit breaker,
- energy meter with current transformers, fuse device or overcurrent switch.

Moreover, in the product selection window it is possible to specify the installation area of the devices and the method of their installation in the switchgear (vertically or horizontally).

Additionally, the "Design data - general settings" window has been extended with the possibility of inserting a cover page sheet and a sheet with technical parameters and project description.

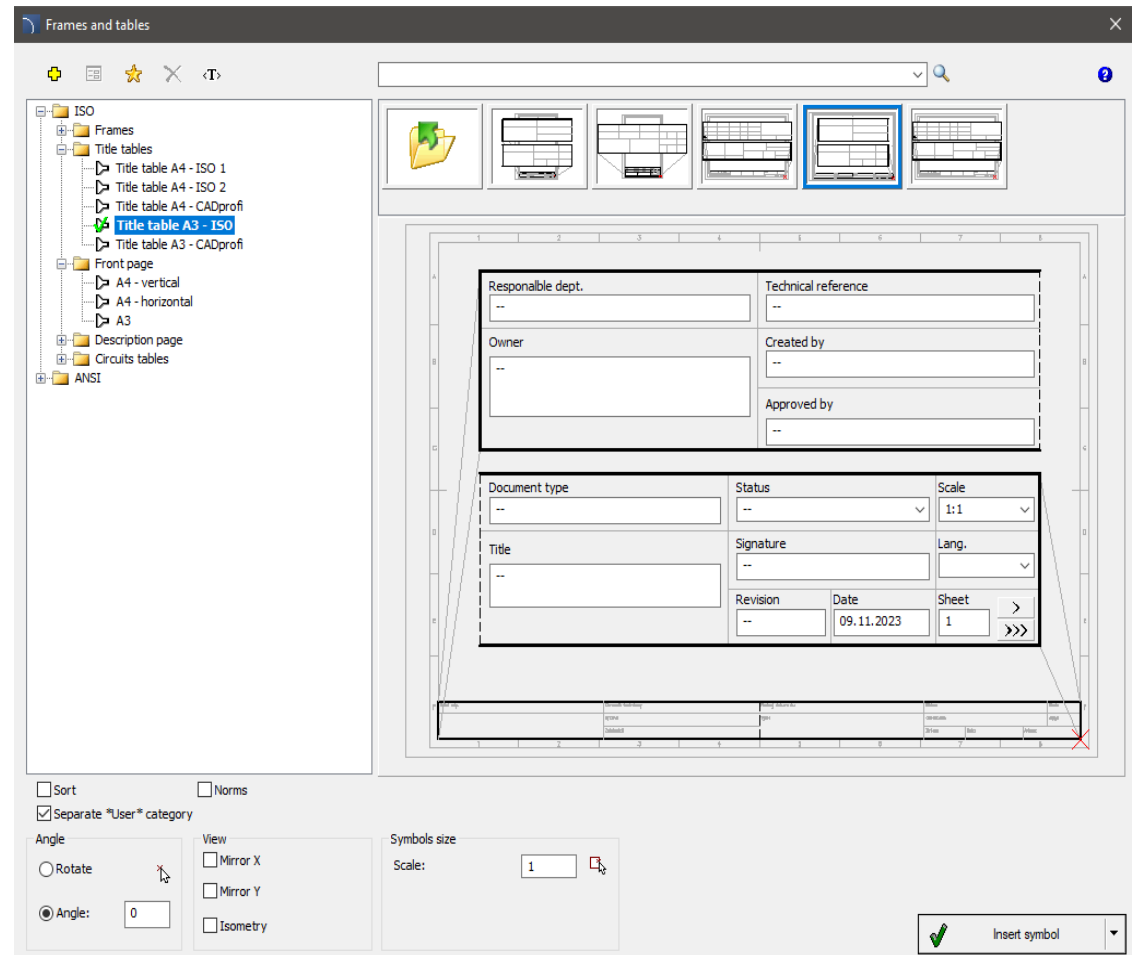


✓ CADprofi Electrical – extension of the „Frames and tables” command


The *Frames and tables*  command has been extended with:

- a sheet of the title page in A4 and A3 format in landscape version,
- a sheet for describing project parameters in A4 and A3 format.

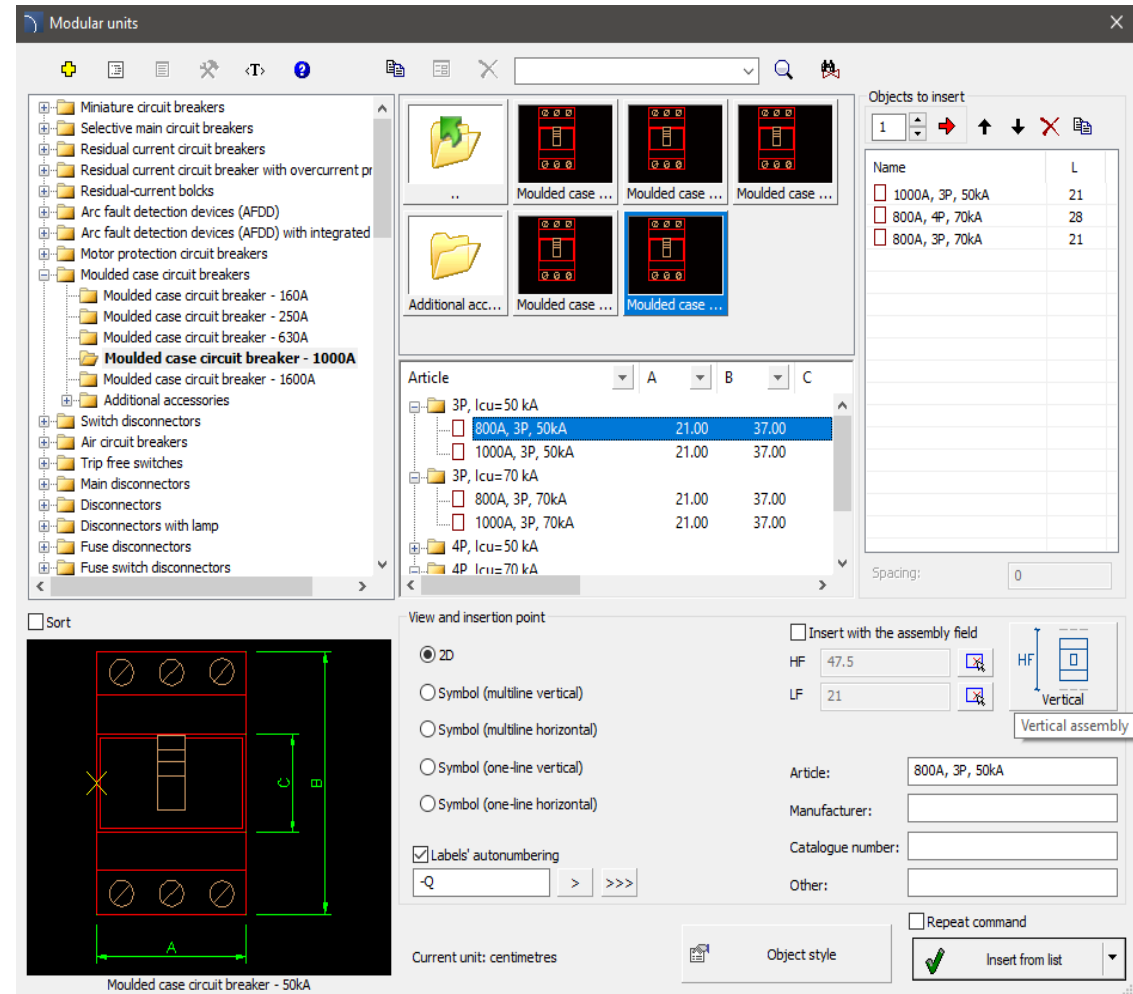
Additionally, the dialog window includes options that allow user to insert frames with a reference grid, centering or crop marks.




✓ CADprofi Electrical – extension of the „Modular units” command

The *Modular units*  command has been extended with new functionalities, including:

- inserting equipment with an assembly field (horizontally or vertically),
- horizontal or vertical installation,
- specifying user own dimensions or retrieving dimensions from a drawing, option to insert items from a list.

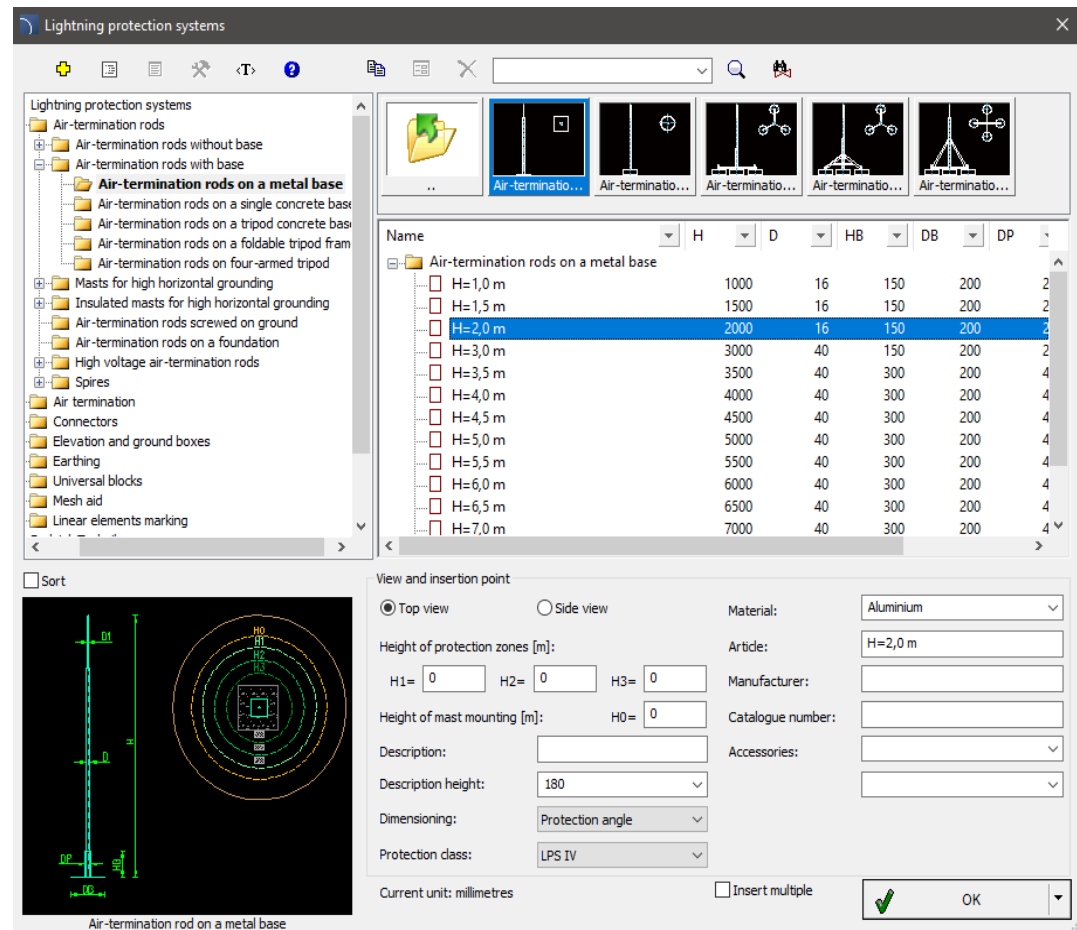


✓ CADprofi Electrical – lightning protection systems

CADprofi Electrical has been extended with a new command *Lightning protection systems* . Library contains products used for designing a complete building lightning protection system, including:

- various types of masts (without a base, on a metal base, on a concrete base, on a tripod, on a quadruped, screwed into the ground, on the foundation or high-voltage) and spiers (chimney, on a ridge-tile base, gable base, as well as for high-seam sheet metal) ,
- lightning wires, insulating wires and tapes,
- various types of joints (cross, diagonal, universal, through, parallel, compensation, control and gutter),
- ground casings and facade boxes,
- class A (pins) and class B (hoops) earth electrodes.
- additional accessories for masts (adjustment sets, support rods and washers for roofing felt and membrane).

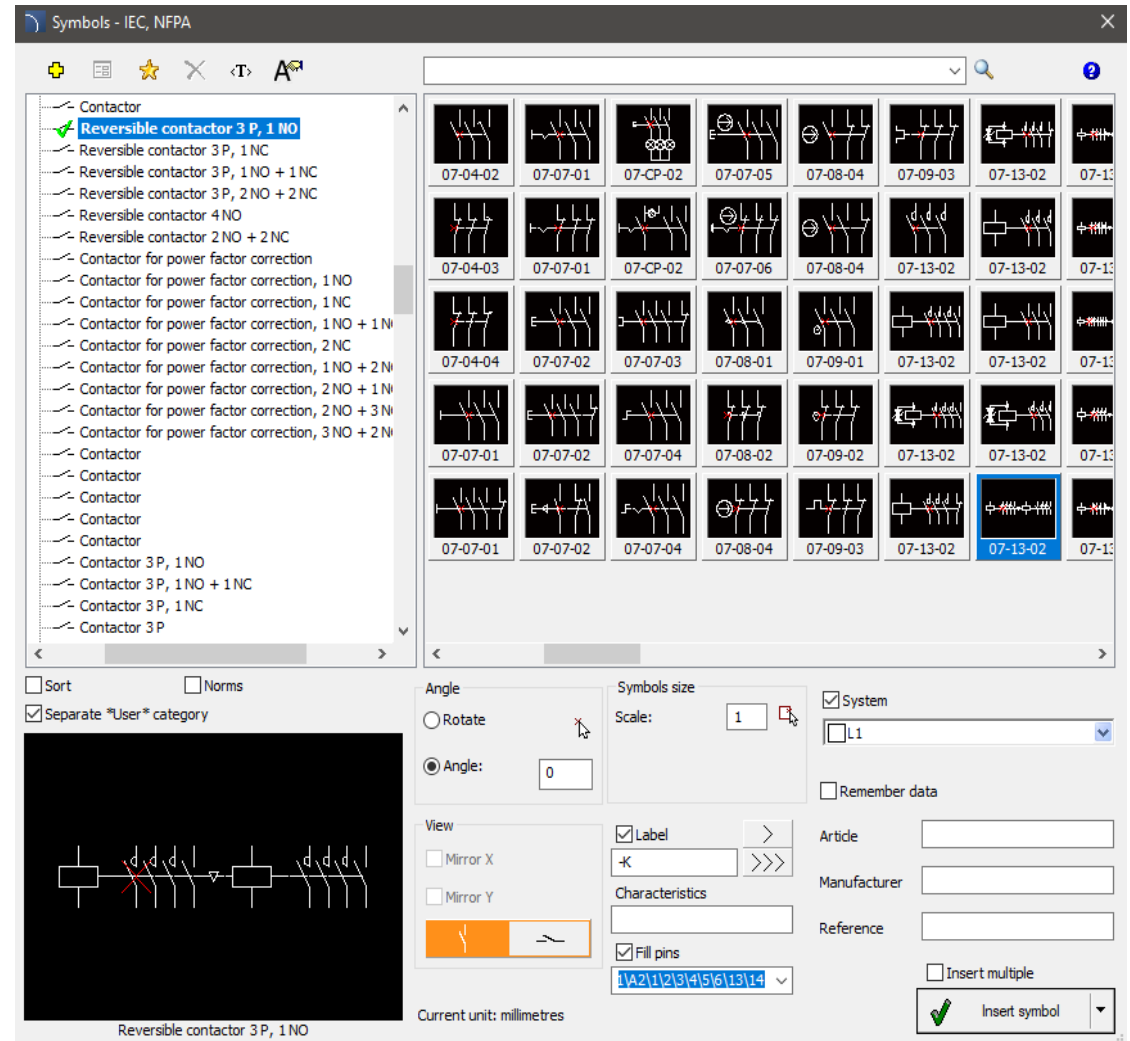
Program enables the design of installations in four LPS protection classes and the determination of mast protection zones using the rolling ball method and the cone method (protective angle).




✓ CADprofi Electrical – extension of IEC, NFPA library symbols

The *Symbols - IEC, NFPA* library available in CADprofi Electrical has been extended with new symbols, including:

- reversible contactor 3- and 4-pole,
- moulded case circuit breaker with motor operator,
- mechanical block,
- twilight switches (additional variants),
- phase control relays (additional variants),
- multifunctional relays (additional variants),
- single-phase and three-phase electric meters (additional variants).

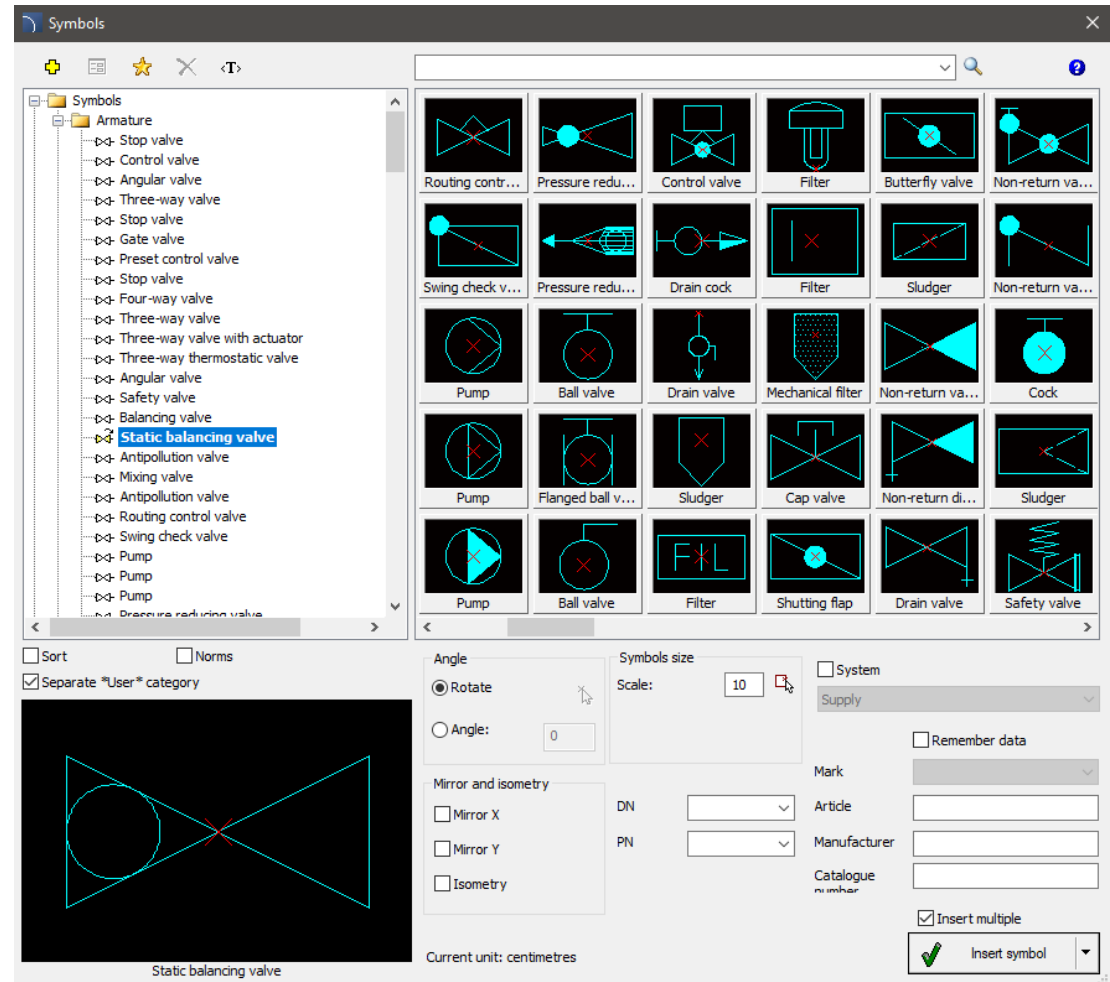


✓ CADprofi HVAC & Piping – extension of symbols library


Symbols  command has been extended with new valves, including:

- Angular valve with servo device,
- Static balancing valve,
- Thermostatic valve,
- Three-way thermostatic valve,
- Thermostatic valve with servo device,
- Strainer,
- Regulating valve,
- Angular valve with servo device,
- Drain-fill valve,
- Volumetric flow meter.

Additionally, some of the valves can be expanded with a drive from the existing list.



✓ CADprofi HVAC & Piping – access doors for ventilation ducts

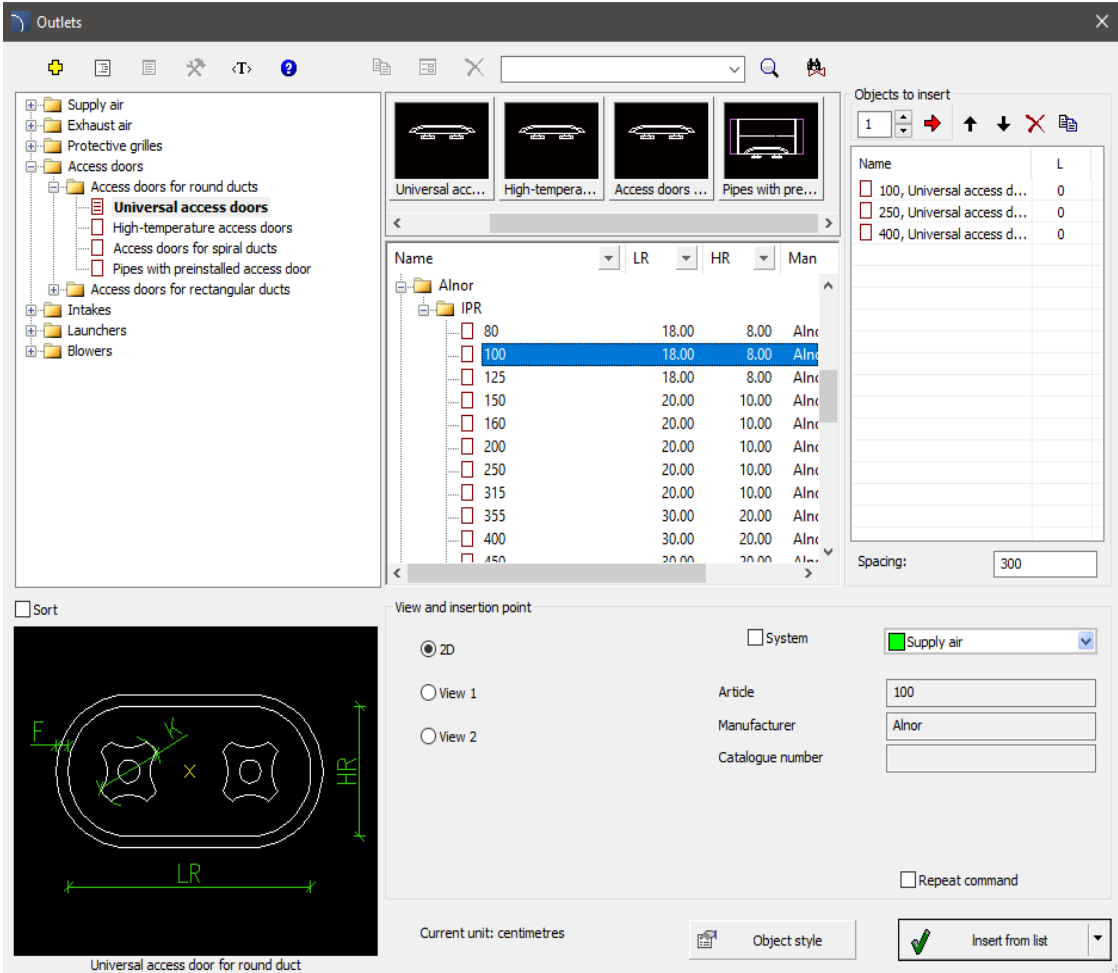
In the *Outlets*  command, a new category – *access doors* has been added, which includes:

- access doors for round ducts,
- access doors for rectangular ducts,

Newly created categories include:

- universal and high-temperature access doors,
- access doors for spiro pipe,
- pipes with preinstalled access doors,
- hinged and insulated access doors.

Products that were added are based on Alnor and Lindab catalogs.



The screenshot shows the 'Outlets' software interface. On the left, a tree view shows the 'Access doors' category expanded to 'Universal access doors'. The main window displays a list of products with columns for Name, LR, HR, and Manufacturer. The product '100, Universal access d...' is selected. Below the list, a 2D view shows a universal access door for a round duct with dimensions LR and HR. The right panel shows the 'Objects to insert' table and a 'View and insertion point' section with fields for Article, Manufacturer, and Catalogue number.

Name	LR	HR	Man
Alnor			
IPR			
80	18.00	8.00	Alnc
100	18.00	8.00	Alnc
125	18.00	8.00	Alnc
150	20.00	10.00	Alnc
160	20.00	10.00	Alnc
200	20.00	10.00	Alnc
250	20.00	10.00	Alnc
315	20.00	10.00	Alnc
355	30.00	20.00	Alnc
400	30.00	20.00	Alnc
450	30.00	20.00	Alnc

Name	L
100, Universal access d...	0
250, Universal access d...	0
400, Universal access d...	0

Spacing: 300

View and insertion point

2D View 1 View 2

System Supply air


Article: 100
 Manufacturer: Alnor
 Catalogue number:

Repeat command

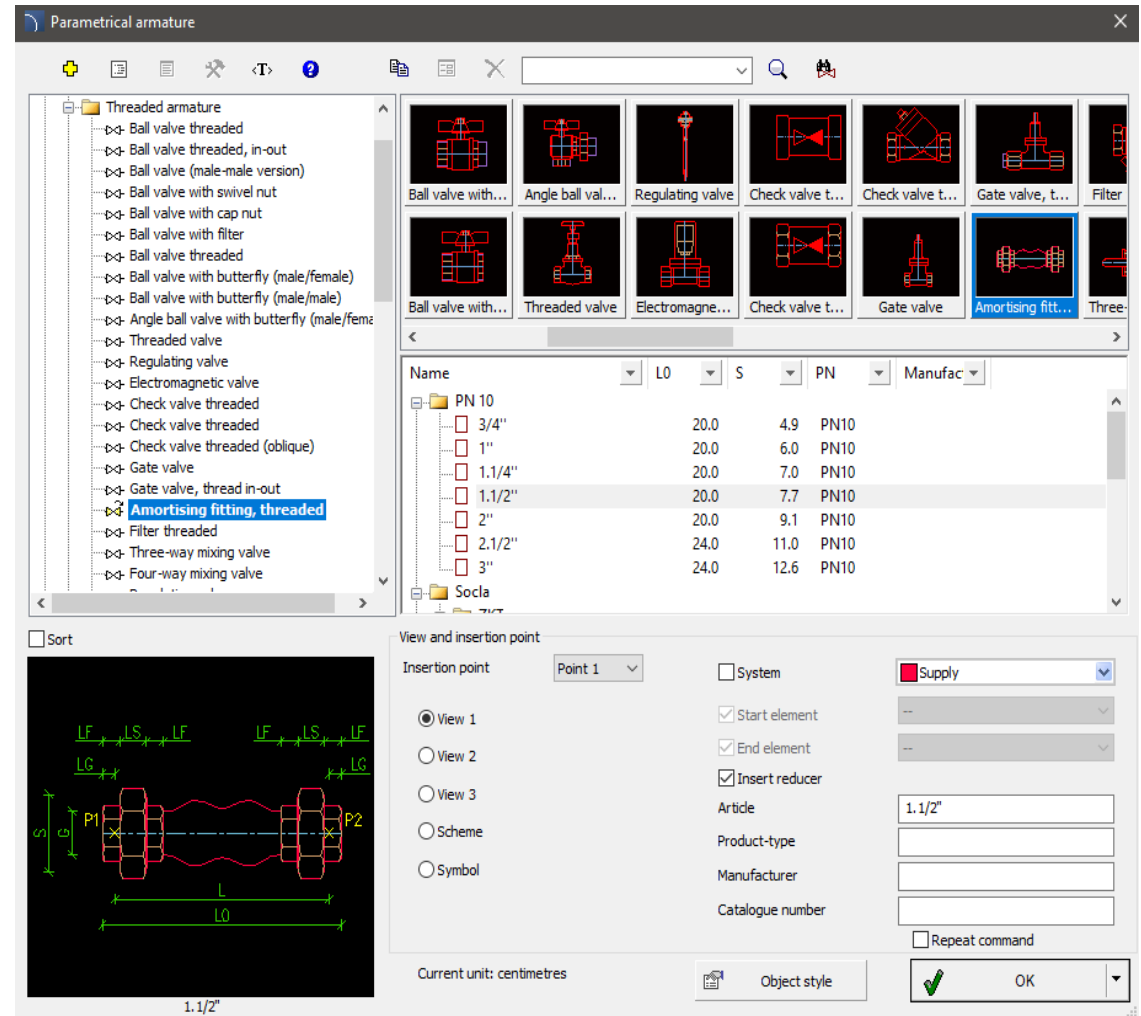
Current unit: centimetres

Object style: Insert from list

✓ CADprofi HVAC& Piping – extension of threaded armature library

The *Parametrical armature*  command has been extended with the following types of threaded fittings:

- amortising fitting, threaded based on Socla and Jafar manufacturers.
- antipollution valve (EA type male/female), based on Socla company specifications.




The screenshot displays the 'Parametrical armature' software interface. On the left, a tree view lists various fittings, with 'Amortising fitting, threaded' highlighted. The main area shows a grid of fitting icons, with 'Amortising fitting' selected. Below the grid is a table with columns for Name, L0, S, PN, and Manufac.

Name	L0	S	PN	Manufac
PN 10				
3/4"	20.0	4.9	PN10	
1"	20.0	6.0	PN10	
1.1/4"	20.0	7.0	PN10	
1.1/2"	20.0	7.7	PN10	
2"	20.0	9.1	PN10	
2.1/2"	24.0	11.0	PN10	
3"	24.0	12.6	PN10	

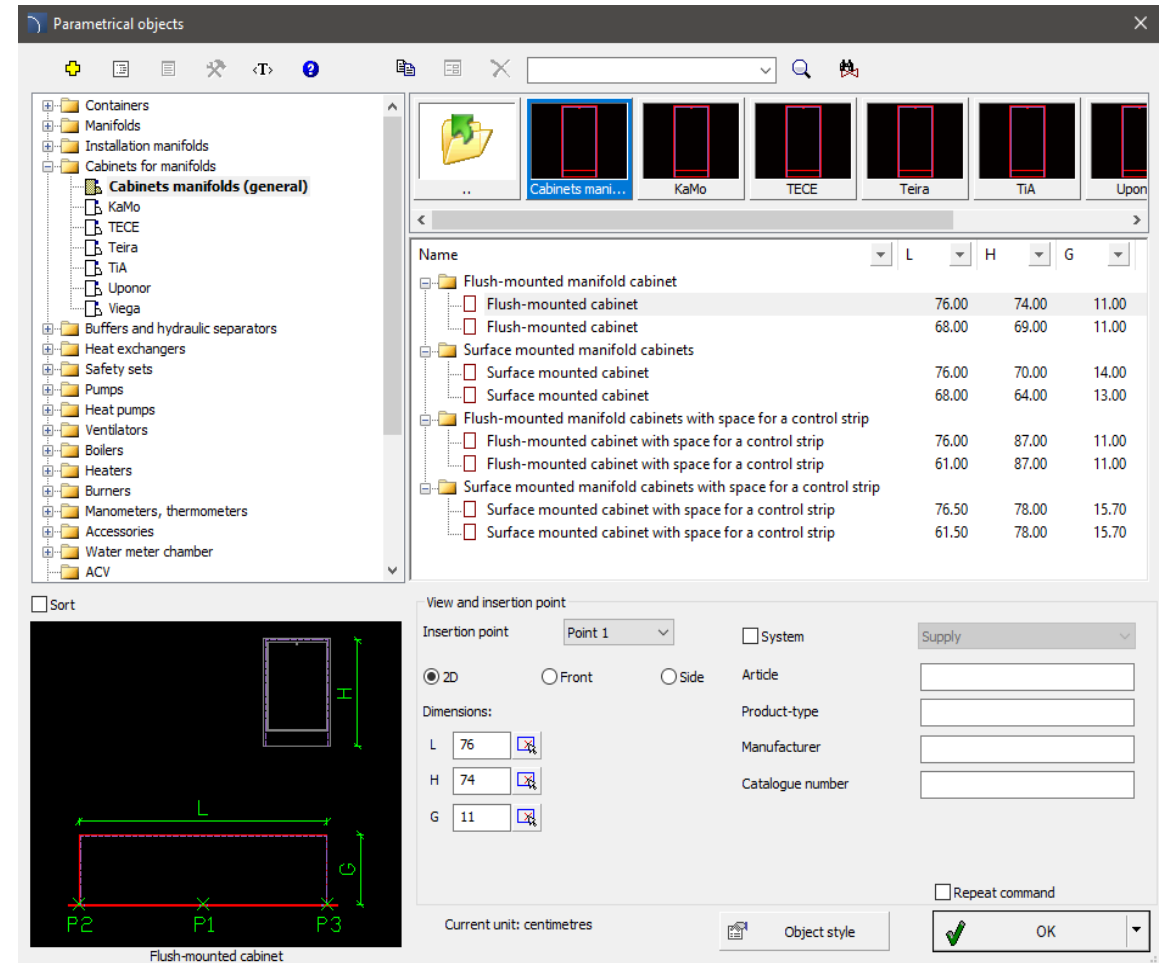
At the bottom, a 3D model of a threaded fitting is shown with dimensions: L (total length), L0 (length without end fittings), S (height), and P1, P2 (port positions). The current unit is set to centimetres.

✓ CADprofi HVAC & Piping – cabinets for installation manifolds

The *Parametrical Objects*  command has been extended with surface and flush cabinets for installation manifolds (e.g. for central heating, radiator, floor, tap water, etc.). Cabinets from the following manufacturers are available:

- KaMo,
- TECE,
- Teira,
- TiA,
- Uponor,
- Viega.


The command also includes general cabinets for manifolds, which allow the designer to quickly and easily modify dimensions and create his own type of series of products.




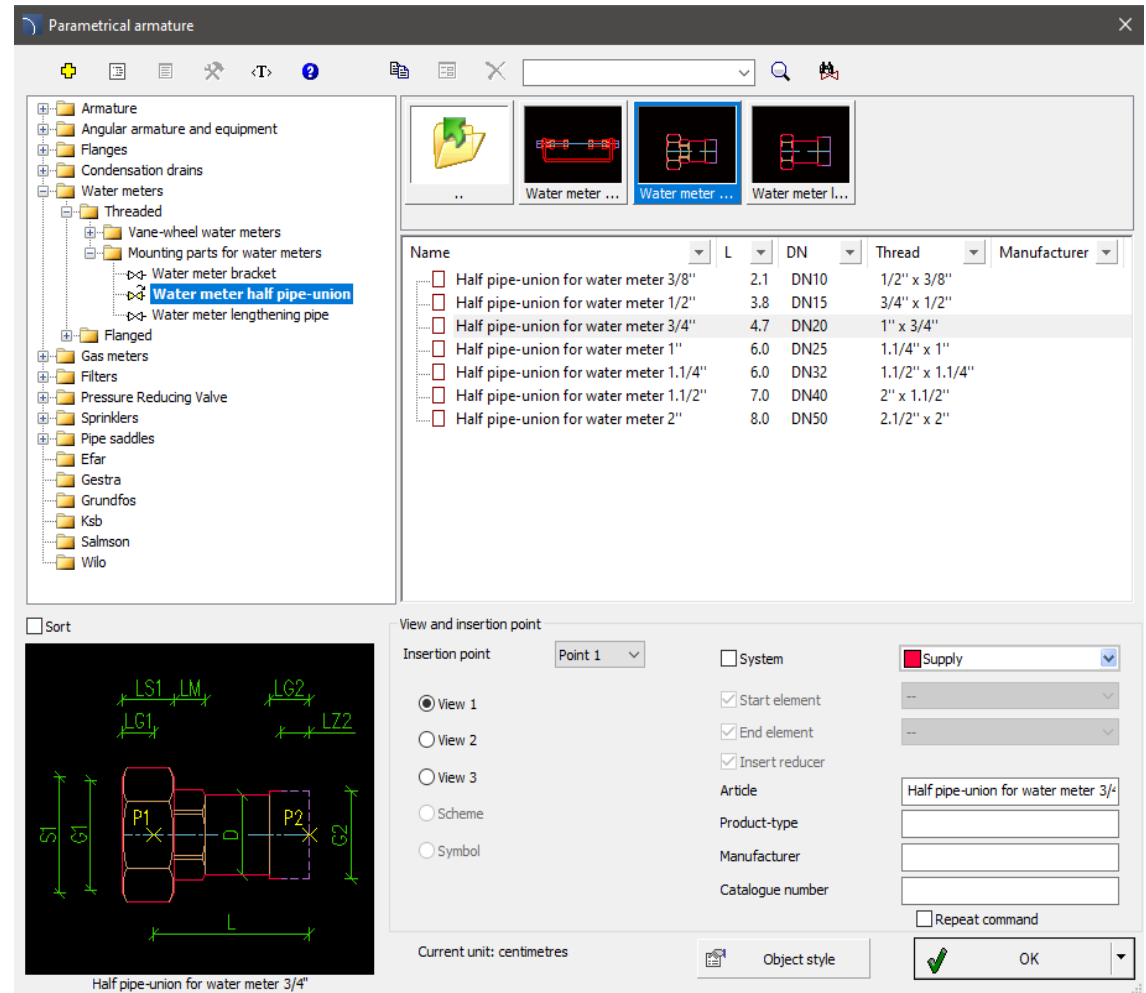
The screenshot shows the 'Parametrical objects' window in CADprofi. The left pane displays a tree view of the object library, with 'Cabinets manifolds (general)' expanded to show various manufacturers like KaMo, TECE, Teira, TiA, and Viega. The right pane shows a table of cabinet specifications, including dimensions (L, H, G) for different types of cabinets. Below the table, there are controls for 'View and insertion point', 'Dimensions' (L, H, G), and 'System' (Supply). The 'Current unit' is set to centimetres, and the 'Object style' is set to 'OK'.

Name	L	H	G
Flush-mounted manifold cabinet	76.00	74.00	11.00
Flush-mounted cabinet	68.00	69.00	11.00
Surface mounted manifold cabinets	76.00	70.00	14.00
Surface mounted cabinet	68.00	64.00	13.00
Flush-mounted manifold cabinets with space for a control strip	76.00	87.00	11.00
Flush-mounted cabinet with space for a control strip	61.00	87.00	11.00
Surface mounted manifold cabinets with space for a control strip	76.50	78.00	15.70
Surface mounted cabinet with space for a control strip	61.50	78.00	15.70

✓ CADprofi HVAC & Piping – water meters half pipe-unions and lengthening pipes

The *Parametrical armature*  command has been extended with *water meters half pipe-unions* and *water meters lengthening pipes*.

Additionally the *Parametrical armature*  command has been extended with new types of threaded armature, including *angle and straight butterfly valves*.




The screenshot shows the 'Parametrical armature' software interface. On the left is a tree view of the software's library, with 'Water meter half pipe-union' selected under 'Threaded' > 'Water meters'. The main area displays a list of available components:

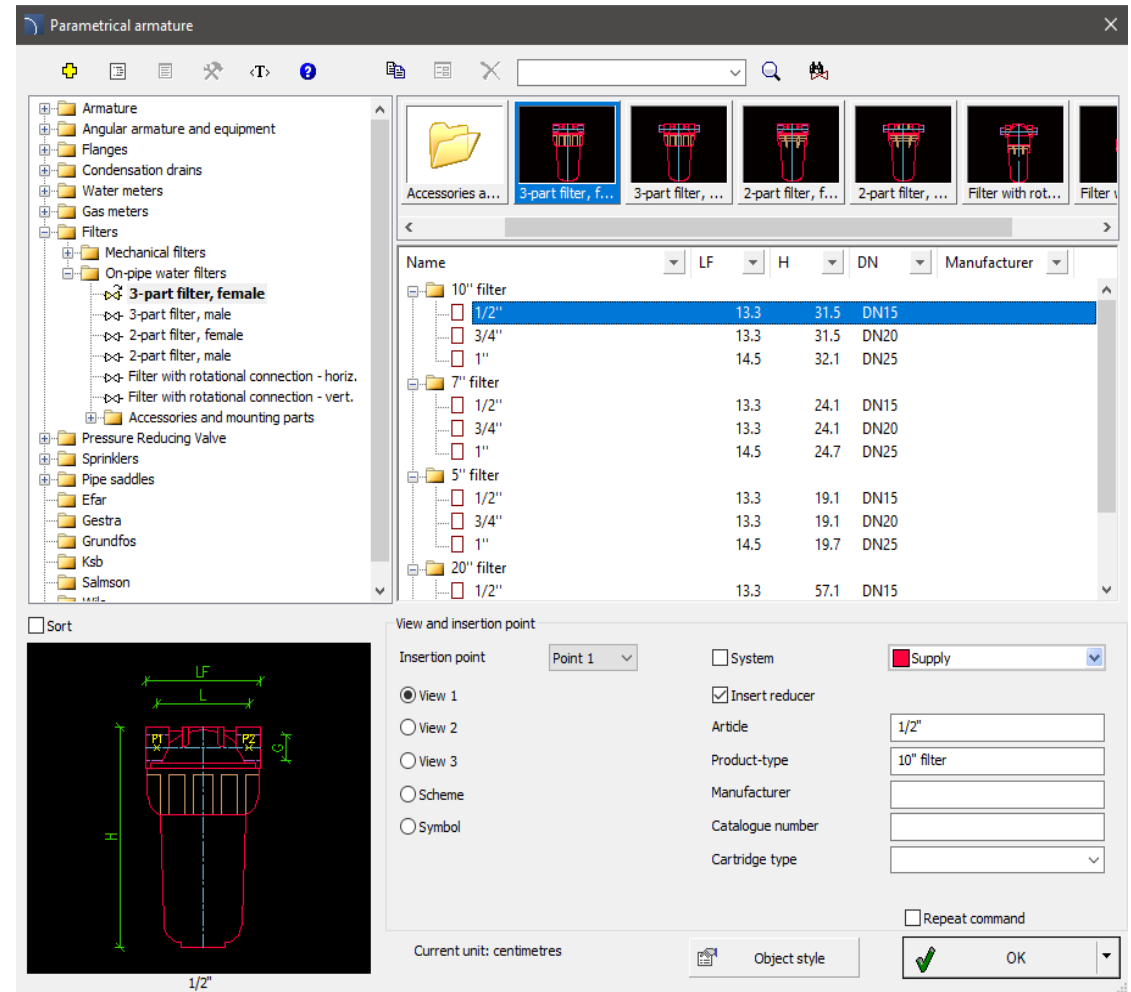
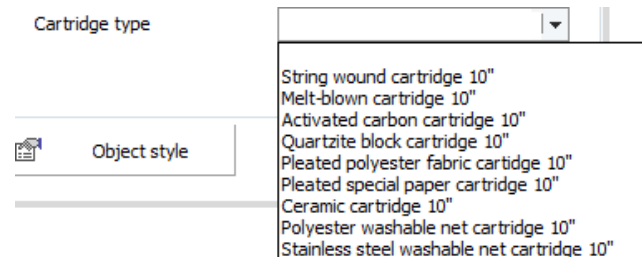
Name	L	DN	Thread	Manufacturer
Half pipe-union for water meter 3/8"	2.1	DN10	1/2" x 3/8"	
Half pipe-union for water meter 1/2"	3.8	DN15	3/4" x 1/2"	
Half pipe-union for water meter 3/4"	4.7	DN20	1" x 3/4"	
Half pipe-union for water meter 1"	6.0	DN25	1.1/4" x 1"	
Half pipe-union for water meter 1.1/4"	6.0	DN32	1.1/2" x 1.1/4"	
Half pipe-union for water meter 1.1/2"	7.0	DN40	2" x 1.1/2"	
Half pipe-union for water meter 2"	8.0	DN50	2.1/2" x 2"	

Below the list is a technical drawing of a 'Half pipe-union for water meter 3/4"'. The drawing shows a cross-section of the component with dimensions: LS1, LM, LG1, LG2, LZ2, P1, P2, and L. The current unit is set to centimetres.


✓ CADprofi HVAC & Piping – on-pipe water filters


The *Parametrical armature*  command has been extended with *on-pipe water filters* together with accessories and mounting elements.

Filters have the ability to quickly select predefined filter cartridges, such as: string filter, carbon filter, ceramic filter, etc.

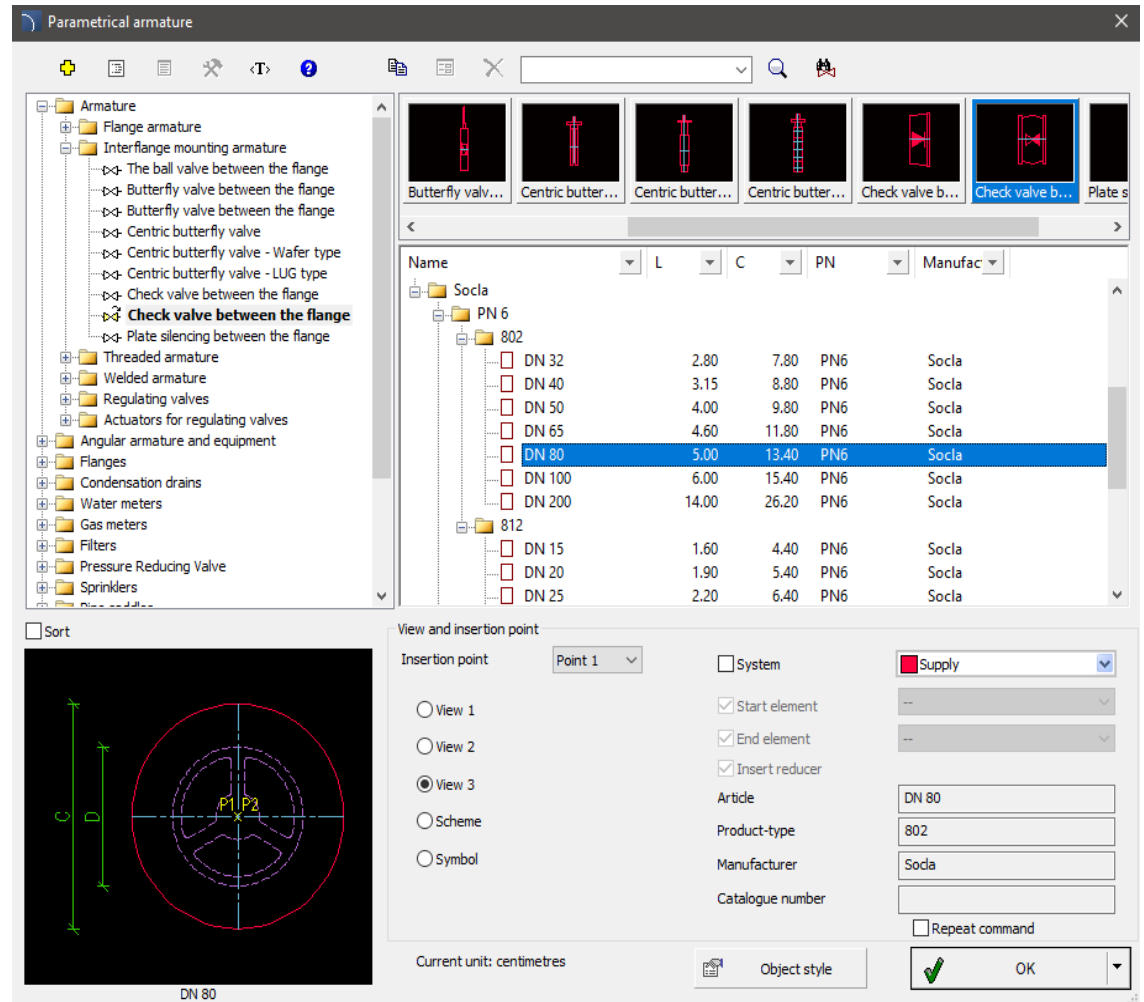


✓ CADprofi HVAC & Piping – interflange mounting armature

The *Parametrical armature*  command has been extended with SOCLA company valves.

Additionally the *Parametrical armature*  command has been extended with centric butterfly valves, including:


- Centric butterfly valve – Wafer type,
- Centric butterfly valve – LUG type.



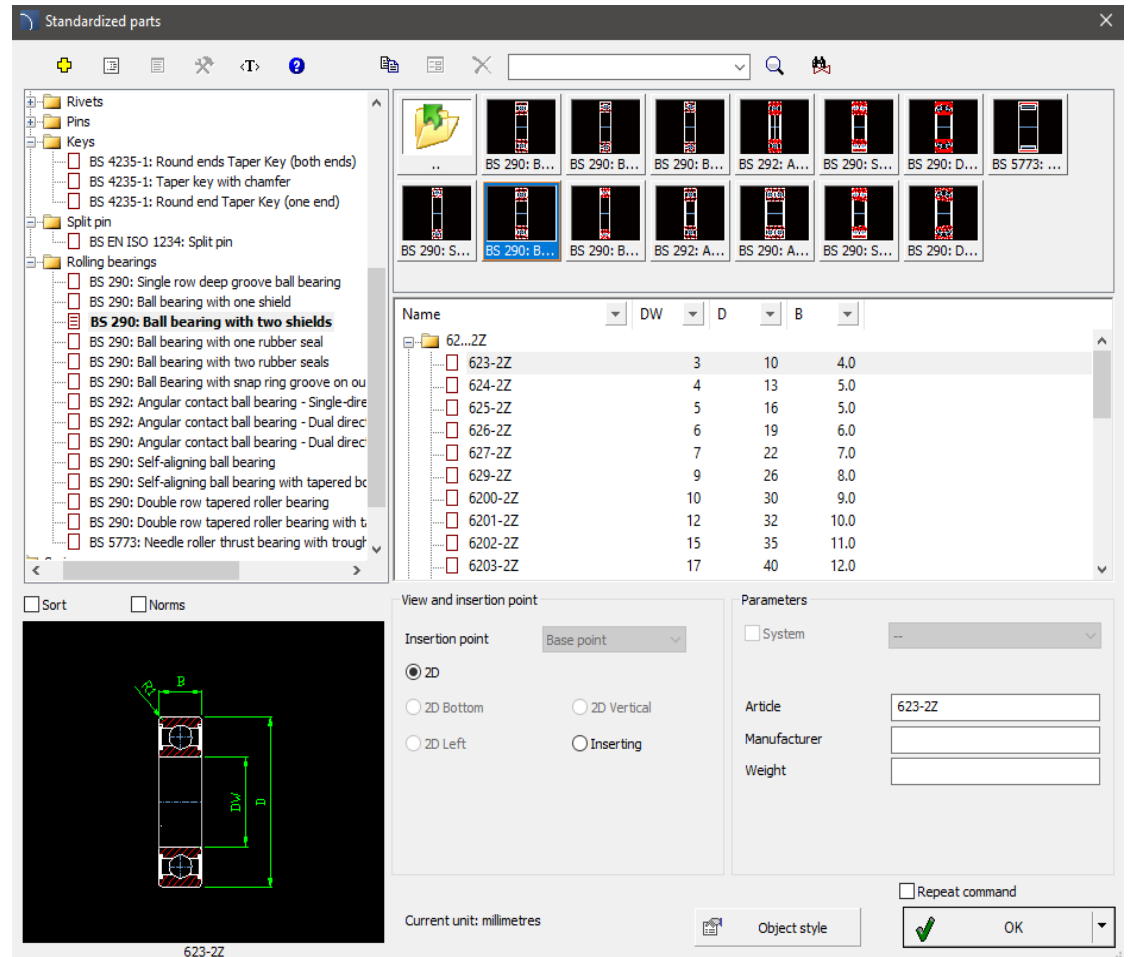
The screenshot shows the 'Parametrical armature' software interface. The left sidebar contains a tree view of armature types, including 'Interflange mounting armature' and 'Centric butterfly valve'. The main area displays a table of valve specifications for SOCLA PN 6 valves. The 'DN 80' row is highlighted in blue. Below the table is a configuration panel with options for 'View and insertion point', 'System', and 'Start/End element'. The 'DN 80' row in the table is highlighted in blue.

Name	L	C	PN	Manufac
DN 32	2.80	7.80	PN6	Socla
DN 40	3.15	8.80	PN6	Socla
DN 50	4.00	9.80	PN6	Socla
DN 65	4.60	11.80	PN6	Socla
DN 80	5.00	13.40	PN6	Socla
DN 100	6.00	15.40	PN6	Socla
DN 200	14.00	26.20	PN6	Socla
DN 15	1.60	4.40	PN6	Socla
DN 20	1.90	5.40	PN6	Socla
DN 25	2.20	6.40	PN6	Socla

✓ CADprofi Mechanical – rolling bearings according to BS standard

The *Standardized parts*  command has been extended with a new category – rolling bearings (British Standards). This category contains:

- ball bearing with a cylindrical bore,
- ball bearing with one or two protective plates,
- ball bearing with one or two rubber seals,
- ball bearing with a groove on the outer ring,
- single row angular contact ball bearing series 72 and 73 and QJ2 and QJ3,
- self-aligning ball bearing with a cylindrical and tapered bore,
- double-row spherical roller bearing with a cylindrical and tapered bore,
- thin-wall needle roller bearing with a through ring and cage.



The screenshot shows the 'Standardized parts' dialog box in CADprofi. The left pane shows a tree view with categories like Rivets, Pins, Keys, Split pin, and Rolling bearings. The 'Rolling bearings' category is expanded, showing various bearing types. The right pane shows a grid of bearing icons, with 'BS 290: B...' selected. Below the grid is a table of bearing specifications:

Name	DW	D	B
62...2Z			
623-2Z	3	10	4.0
624-2Z	4	13	5.0
625-2Z	5	16	5.0
626-2Z	6	19	6.0
627-2Z	7	22	7.0
629-2Z	9	26	8.0
6200-2Z	10	30	9.0
6201-2Z	12	32	10.0
6202-2Z	15	35	11.0
6203-2Z	17	40	12.0

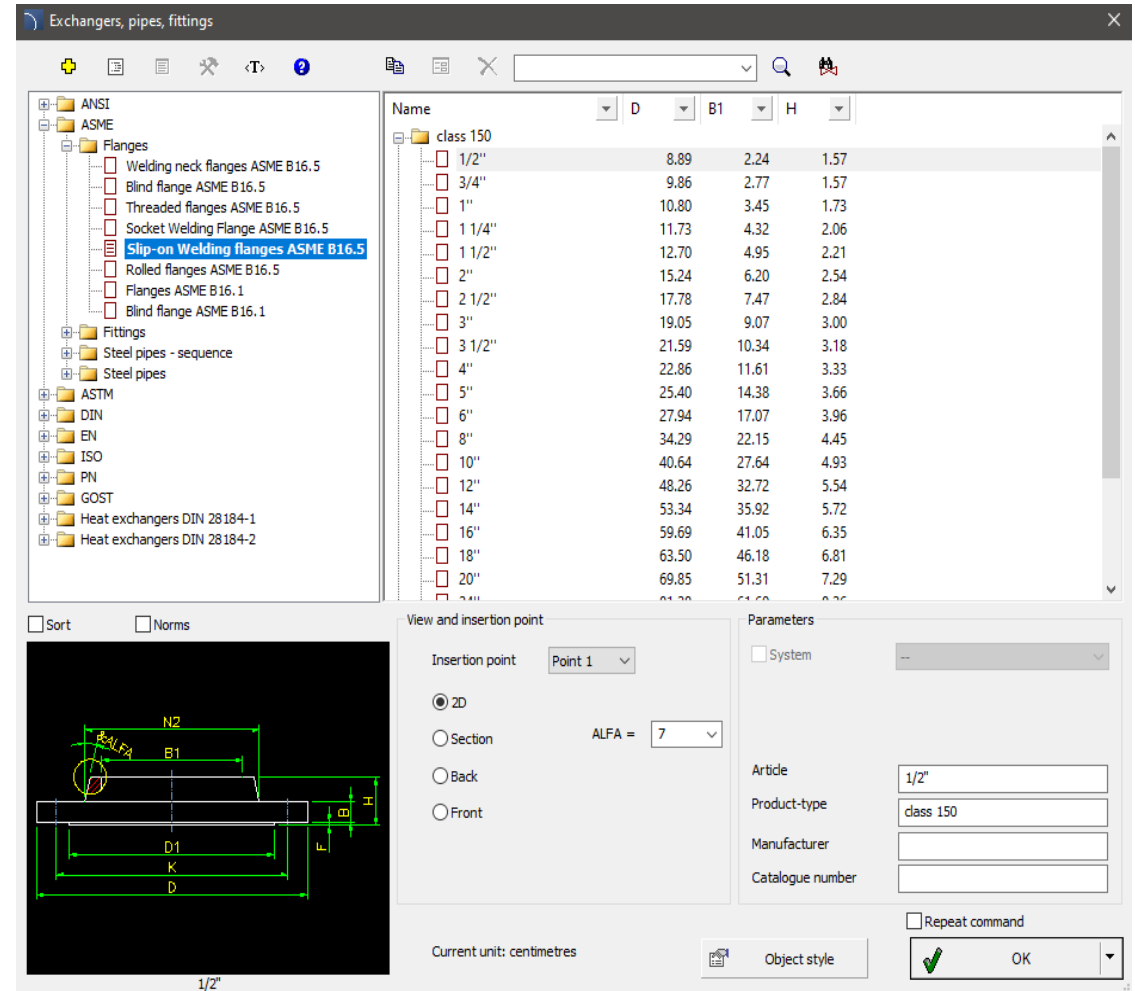
Below the table, there are options for 'View and insertion point' (2D, 2D Bottom, 2D Vertical, 2D Left, Inserting) and 'Parameters' (System, Article, Manufacturer, Weight). The 'Article' field is filled with '623-2Z'. At the bottom, there is a 'Repeat command' checkbox and an 'OK' button.

At the bottom left, there is a 2D diagram of a bearing with dimensions labeled: DW (width), D (outer diameter), B (inner diameter), and B (thickness). The diagram is labeled '623-2Z'.

✓ CADprofi Mechanical – flanges according to ASME standard

Flanges prepared according to the ASME standard have been introduced to the *Exchangers, pipes, fittings* command, including:

- Welding neck flanges **ASME B16.5**,
- Blind flange **ASME B16.5**,
- Threaded flanges **ASME B16.5**,
- Socket Welding flange **ASME B16.5**
- Slip-on Welding flanges **ASME B16.5**,
- Rolled flanges **ASME B16.5**,
- Flanges **ASME B16.1**,
- Blind flanges **ASME B16.1**.




Name	D	B1	H
class 150			
1/2"	8.89	2.24	1.57
3/4"	9.86	2.77	1.57
1"	10.80	3.45	1.73
1 1/4"	11.73	4.32	2.06
1 1/2"	12.70	4.95	2.21
2"	15.24	6.20	2.54
2 1/2"	17.78	7.47	2.84
3"	19.05	9.07	3.00
3 1/2"	21.59	10.34	3.18
4"	22.86	11.61	3.33
5"	25.40	14.38	3.66
6"	27.94	17.07	3.96
8"	34.29	22.15	4.45
10"	40.64	27.64	4.93
12"	48.26	32.72	5.54
14"	53.34	35.92	5.72
16"	59.69	41.05	6.35
18"	63.50	46.18	6.81
20"	69.85	51.31	7.29
24"	81.28	61.28	8.25

Technical drawing labels: N2, B1, D1, K, D, L, H, B, ALFA.

Current unit: centimetres



✓ CADprofi Mechanical – springs

The *Standardized parts*  command has been extended with the *Springs* category (compression, disc).



[Watch movie](#)

The screenshot shows the 'Standardized parts' dialog box. On the left is a tree view of standards including ISO, ANSI, ASME, EN, DIN, PN, GOST, IS, JIS, BS, Springs, and General. The 'Springs' folder is expanded, showing 'Compression spring' and 'Disc spring'. The main area displays a table of spring specifications:


Name	DT	DM	L	&N
CS 2x14.3x20	0.200	1.430	2.00	5.0
CS 2x14.3x30	0.200	1.430	3.00	7.0
CS 2x14.3x40	0.200	1.430	4.00	9.0
CS 2x14.3x50	0.200	1.430	5.00	11.0
CS 2x14.3x60	0.200	1.430	6.00	13.0
CS 2x14.3x70	0.200	1.430	7.00	15.0
CS 2x14.3x80	0.200	1.430	8.00	17.0
CS 2x16x22	0.200	1.600	2.20	5.0
CS 2x16x30	0.200	1.600	3.00	5.0
CS 2x16x33	0.200	1.600	3.30	7.0
CS 2x16x45	0.200	1.600	4.50	7.0
CS 2x16x50	0.200	1.600	5.00	10.0
CS 2x16x68	0.200	1.600	6.80	10.0
CS 2x16x71	0.200	1.600	7.10	11.0

Below the table is a 3D model of a compression spring with dimensions labeled: N (number of turns), DT (wire diameter), DM (mean diameter), L (total length), and T (wire thickness). The parameters panel on the right shows the following settings:

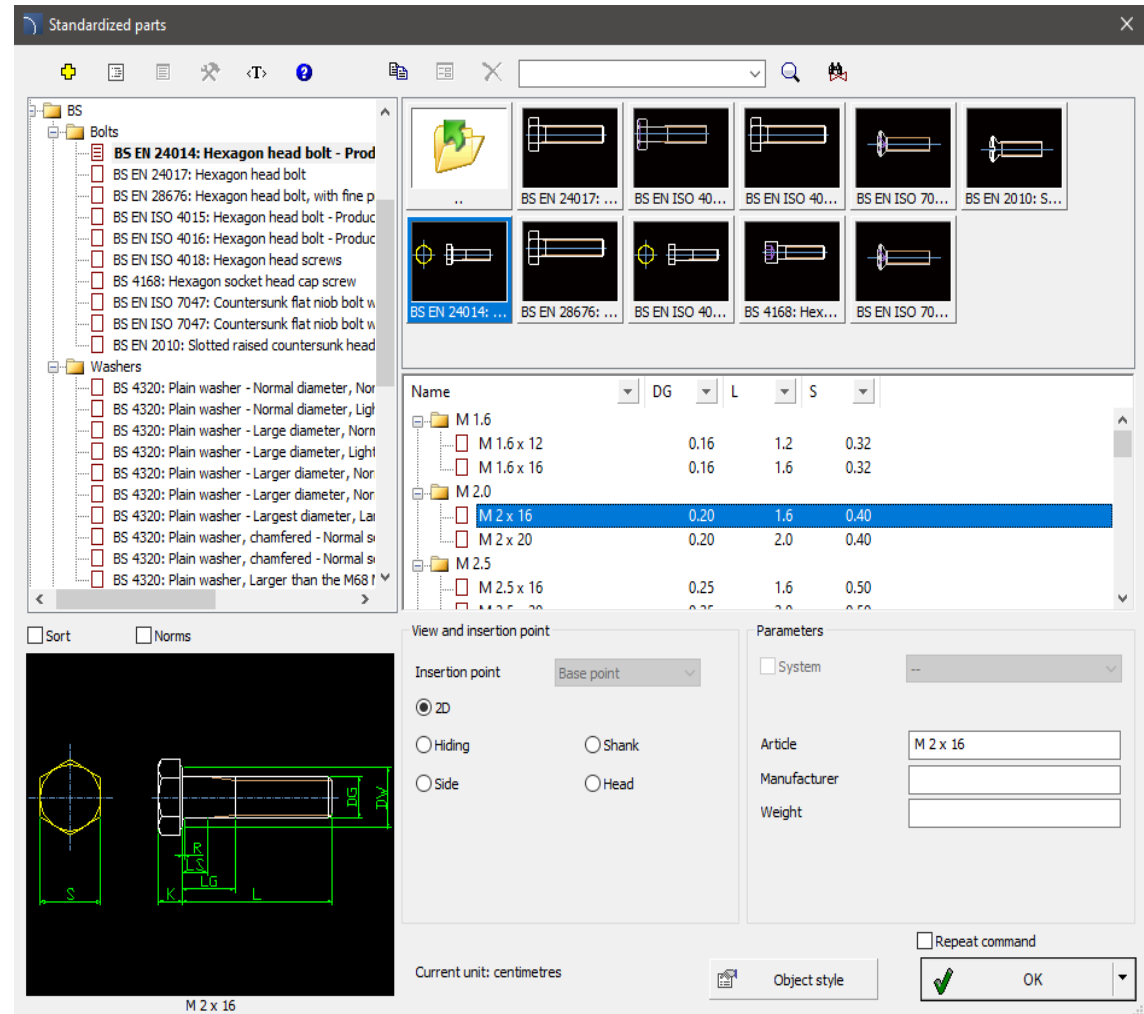
- Material: 51Si7
- Input data: L, N_r->T
- L = 2
- N = 5
- T = 0.9

The 'Parameters' panel also includes options for 'System', 'Repeat command', and 'Object style'. The current unit is set to 'centimetres'.

✓ CADprofi Mechanical – British Standards (BS)

The *Standardized parts*  prepared according to British Standards (BS) have been added to CADprofi Mechanical, including:

- Hex head screws
- Hexagonal nuts,
- Round washers,
- Ball head and flat head rivets,
- Cylindrical, conical, spring pins,
- Pins with tapered and parallel notches,
- Rivet pins,
- Cotter pins,
- Holes,
- Rolled head screws,
- Countersunk head screws,
- Rounded and beveled mortise wedges,
- Bearings.



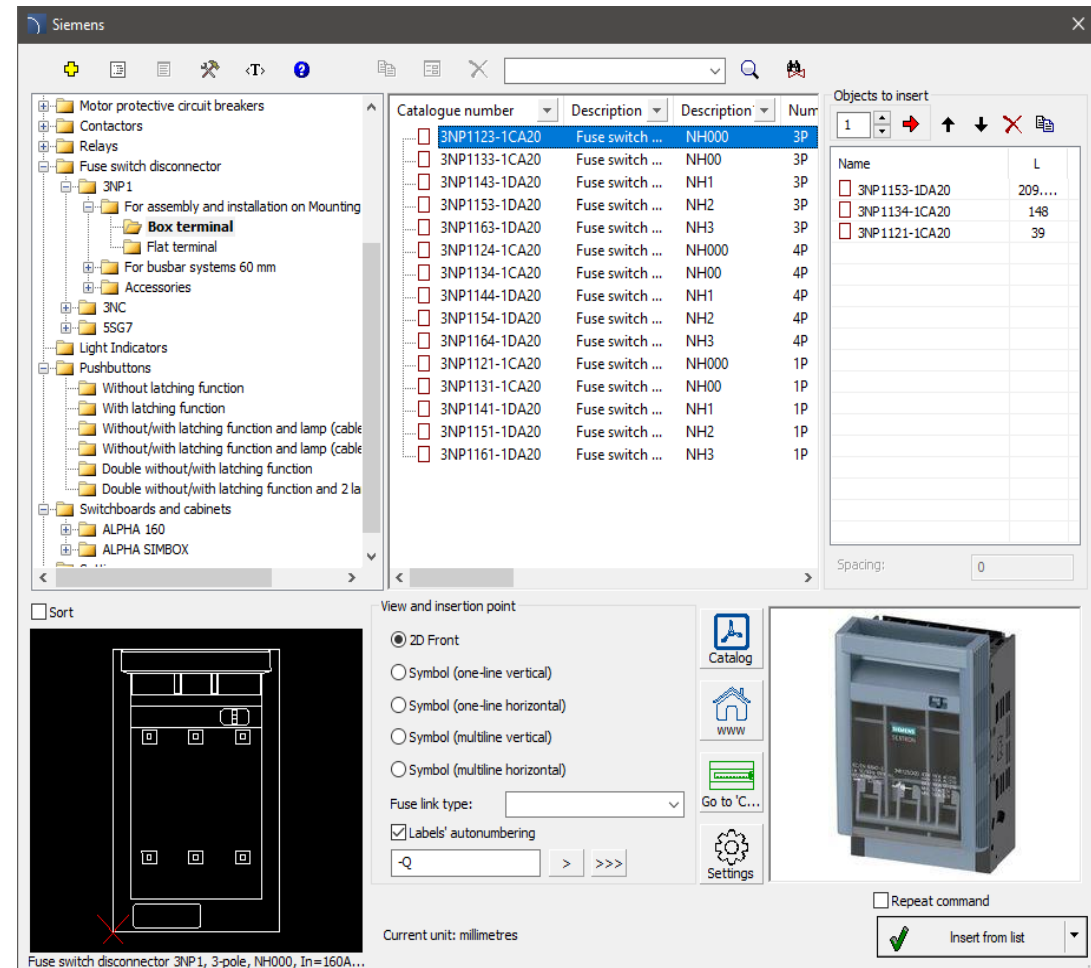
✓ CADprofi OEM – extension of the Siemens library

Siemens library has been extended and updated with:

- 3NP1, 3NC, 5SG7 fuse switch disconnectors and accessories.
- light indicators,
- Pushbuttons,
- switchboards and cabinets ALPHA 160 and ALPHA SIMBOX (surface-mounted, flush-mounted and plaster/cardboard walls).

Additionally, the product library dialog box has been rebuilt. Real camera views, PDF catalogs and links to pages with technical and product description information have been added.

In addition, it is possible to automatically select a housing based on the devices used in the project and determine the size of labels for products.

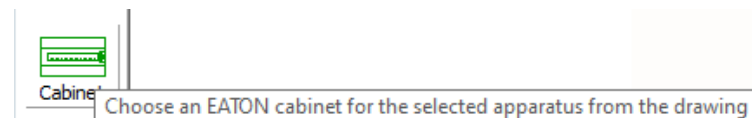
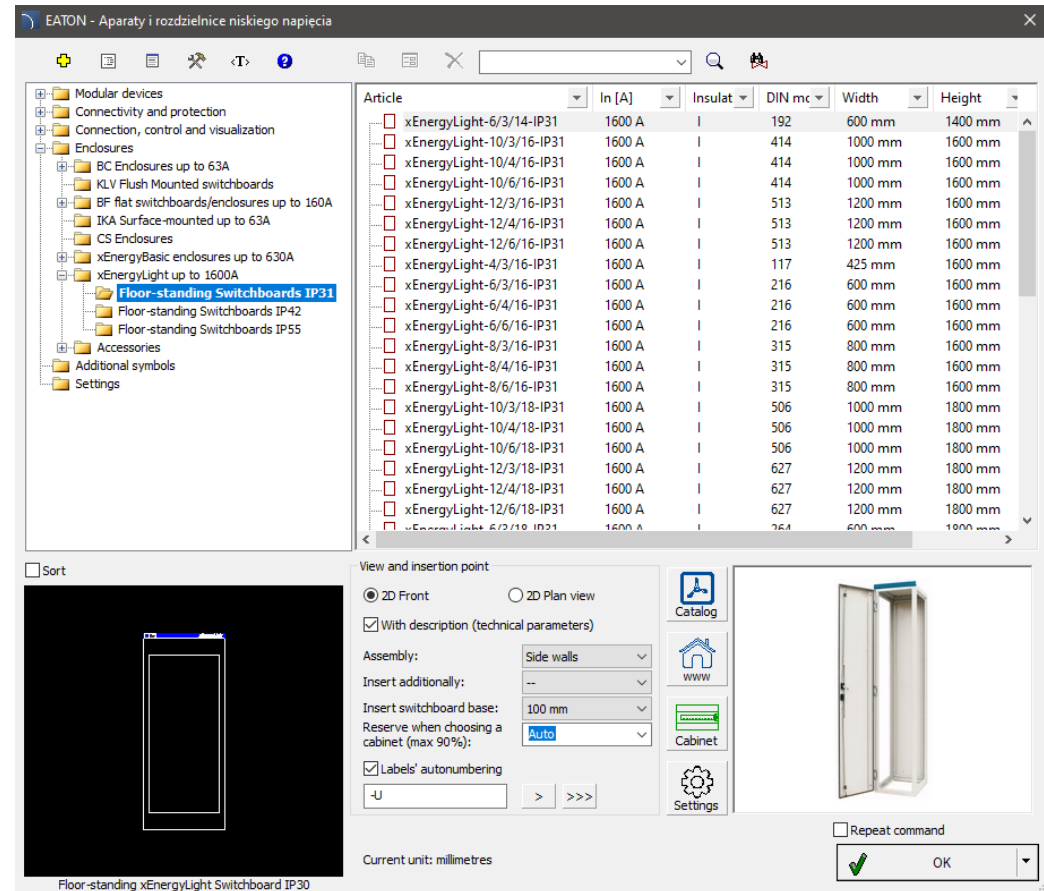


✓ CADprofi OEM – extension of Eaton product libraries

EATON library has been extended with additional enclosures:

- xEnergyBasic up to 630A (floor-standing switchboards IP30 and IP55),
- xEnergyLight do 1600A (floor-standing switchboards IP31, IP42 and IP55),
- accessories to xEnergyBasic and xEnergyLight. BC enclosures up to 63A (surface and flush mounted).
- KLV flush mounted switchboards.
- IKA surface mounted up to 63A.
- BF flat switchboards/enclosures up to 160A (surface and flush mounted).
- CS enclosures.

In the new version of the program, the dialog box of floor-standing switchgears has been extended with the option of selecting the appropriate cabinet based on the apparatus selected from the drawing. Additionally selection lists that specify the assembly method, plinth type or a variant with a door view has also been added.

EATON - Aparaty i rozdzielnice niskiego napięcia

Article	In [A]	Insulat	DIN mc	Width	Height
xEnergyLight-6/3/14-IP31	1600 A		192	600 mm	1400 mm
xEnergyLight-10/3/16-IP31	1600 A		414	1000 mm	1600 mm
xEnergyLight-10/4/16-IP31	1600 A		414	1000 mm	1600 mm
xEnergyLight-10/6/16-IP31	1600 A		414	1000 mm	1600 mm
xEnergyLight-12/3/16-IP31	1600 A		513	1200 mm	1600 mm
xEnergyLight-12/4/16-IP31	1600 A		513	1200 mm	1600 mm
xEnergyLight-12/6/16-IP31	1600 A		513	1200 mm	1600 mm
xEnergyLight-4/3/16-IP31	1600 A		117	425 mm	1600 mm
xEnergyLight-6/3/16-IP31	1600 A		216	600 mm	1600 mm
xEnergyLight-6/4/16-IP31	1600 A		216	600 mm	1600 mm
xEnergyLight-6/6/16-IP31	1600 A		216	600 mm	1600 mm
xEnergyLight-8/3/16-IP31	1600 A		315	800 mm	1600 mm
xEnergyLight-8/4/16-IP31	1600 A		315	800 mm	1600 mm
xEnergyLight-8/6/16-IP31	1600 A		315	800 mm	1600 mm
xEnergyLight-10/3/18-IP31	1600 A		506	1000 mm	1800 mm
xEnergyLight-10/4/18-IP31	1600 A		506	1000 mm	1800 mm
xEnergyLight-10/6/18-IP31	1600 A		506	1000 mm	1800 mm
xEnergyLight-12/3/18-IP31	1600 A		627	1200 mm	1800 mm
xEnergyLight-12/4/18-IP31	1600 A		627	1200 mm	1800 mm
xEnergyLight-12/6/18-IP31	1600 A		627	1200 mm	1800 mm

Sort

View and insertion point

2D Front 2D Plan view

With description (technical parameters)

Assembly: Side walls

Insert additionally: --

Insert switchboard base: 100 mm

Reserve when choosing a cabinet (max 90%): Auto

Labels' autonumbering

-U > >>>

Current unit: millimetres

Repeat command

OK

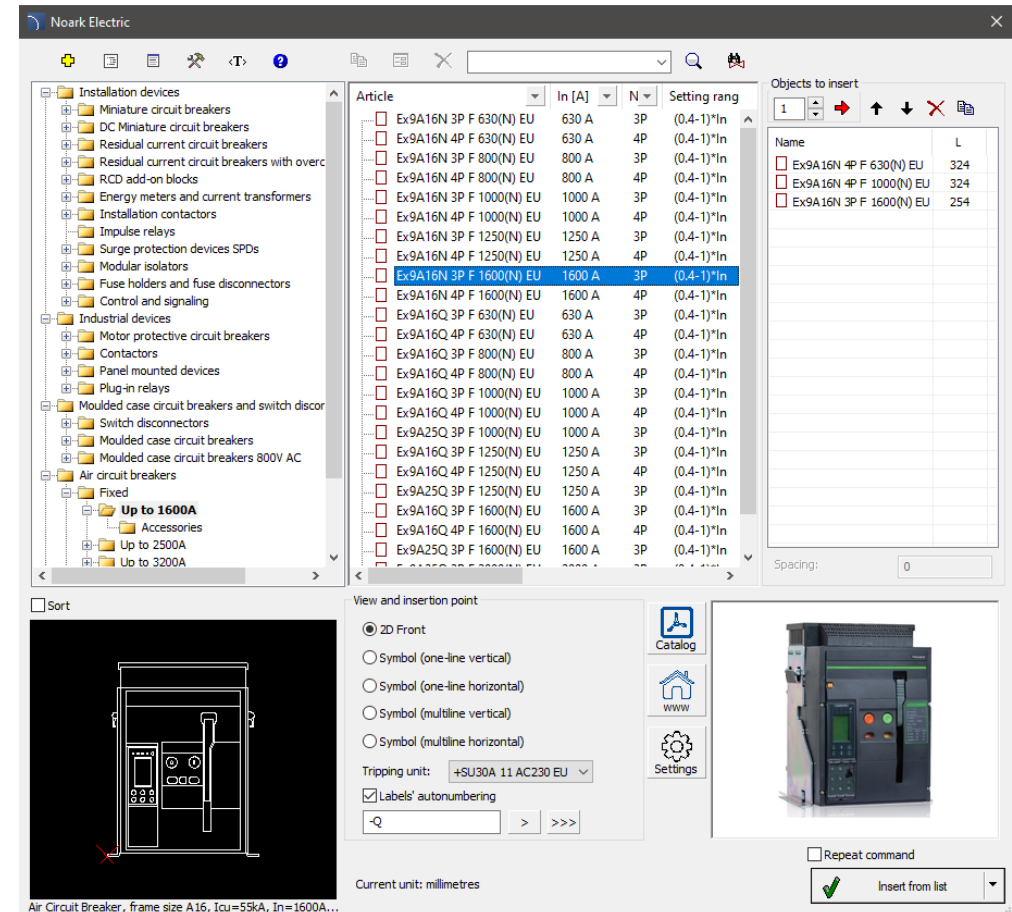


✓ CADprofi – extension of Noark Electric product libraries

Noark Electric library has been updated and extended with:

- slim type overcurrent circuit breakers,
- overcurrent circuit breakers for PV applications,
- single-module electronic residual current devices with overcurrent protection,
- modular bells,
- control clocks,
- dusk and stair switches,
- plug-in, timer monitoring relays,
- control cassettes,
- power supplies,
- installation contactors with the possibility of manual control,
- miniature reversing contactors,
- industrial reversing contactors,
- energy meters,
- compact air circuit breakers,
- compact disconnectors,
- accessories for installation devices, industrial apparatus and power switches.

In addition, the product library dialog windows were completely rebuilt, a new classification tree layout was created, real views of devices were added, and personalized technical and identification data of the products were adapted to device series.

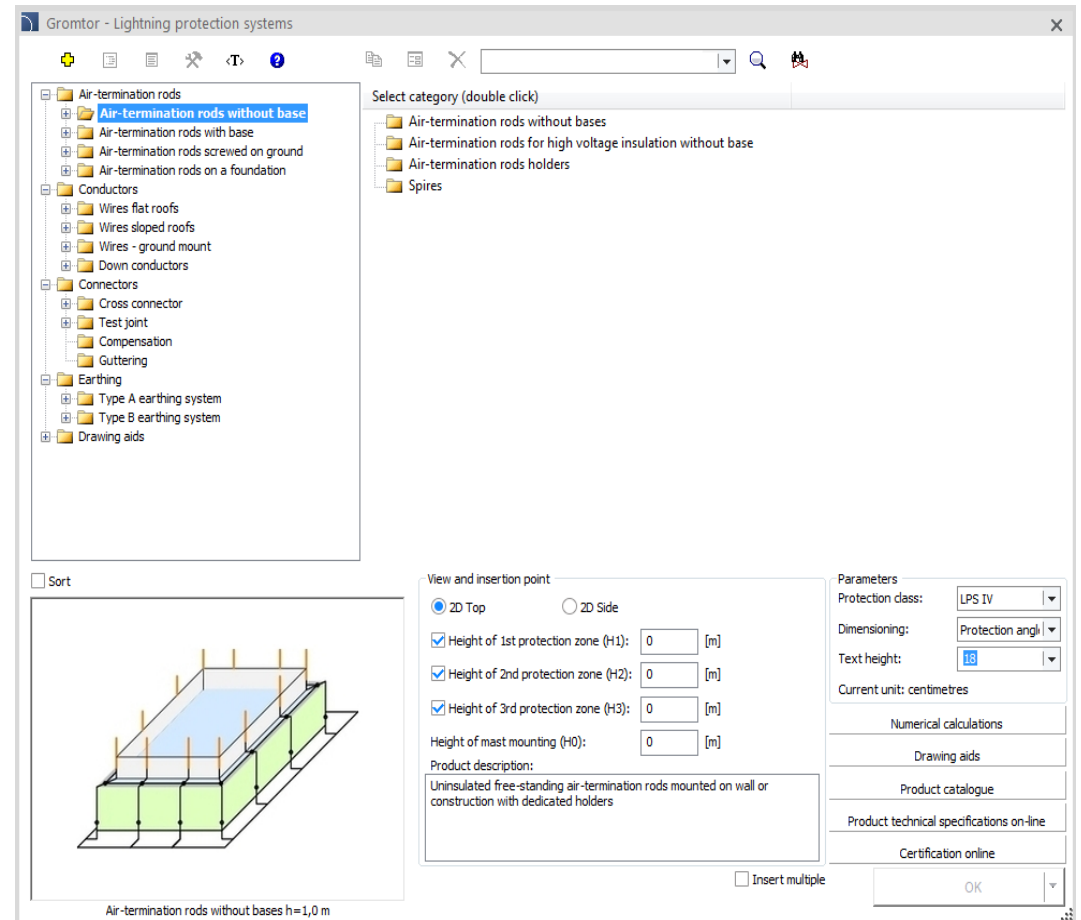


✓ CADprofi OEM – new Gromtor library

A system for designing lightning protection systems by using *Gromtor* products has been introduced to the CADprofi program. The library includes:

- masts and spiers,
- lightning wires, insulating wires,
- various types of joints (cross, control, gutter, etc.),
- type A (pin) and type B (hoop iron) earthing systems,
- additional drawing aids,
- dimensioning of protection zones by using the cone and rolling sphere method.

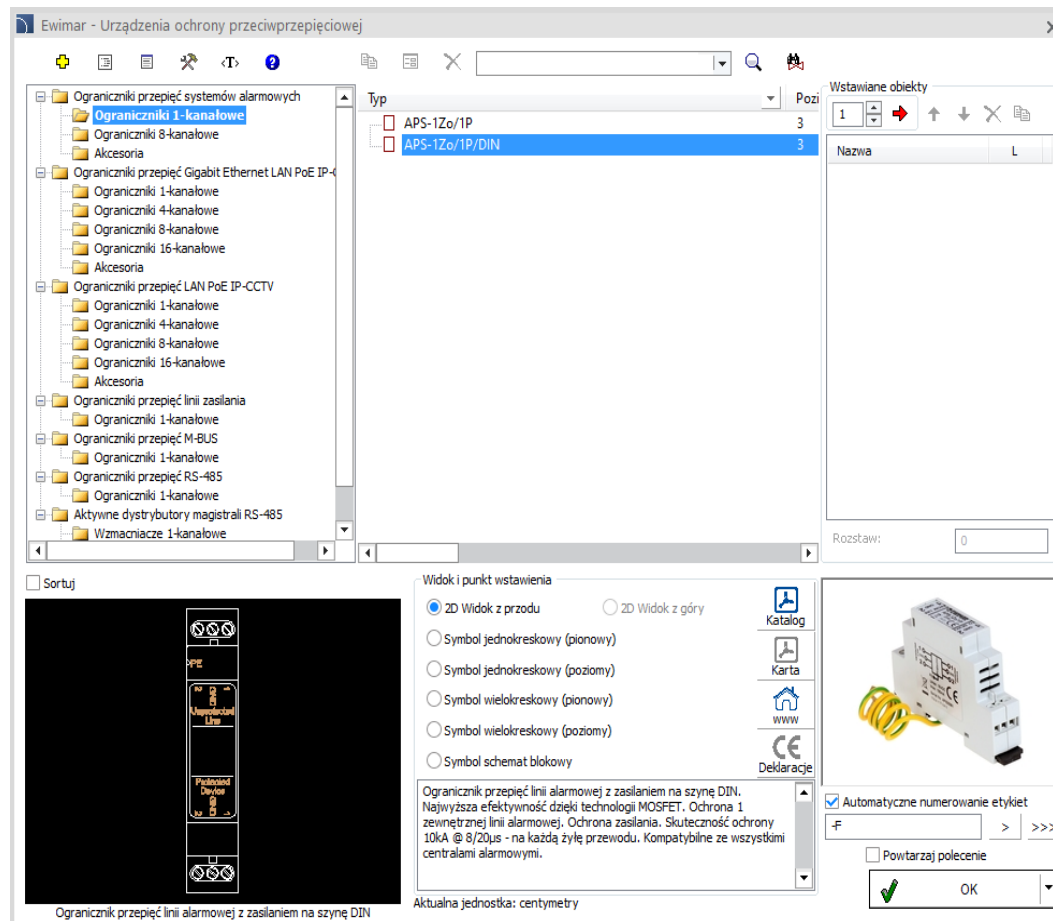
Gromtor CAD program has received an award at the Elektrotechnika 2023 Fair in the category "Best product of the Fair".



✓ CADprofi OEM – new Ewimar library

A library of *Ewimar* surge protection devices has been added to CADprofi. The library includes:

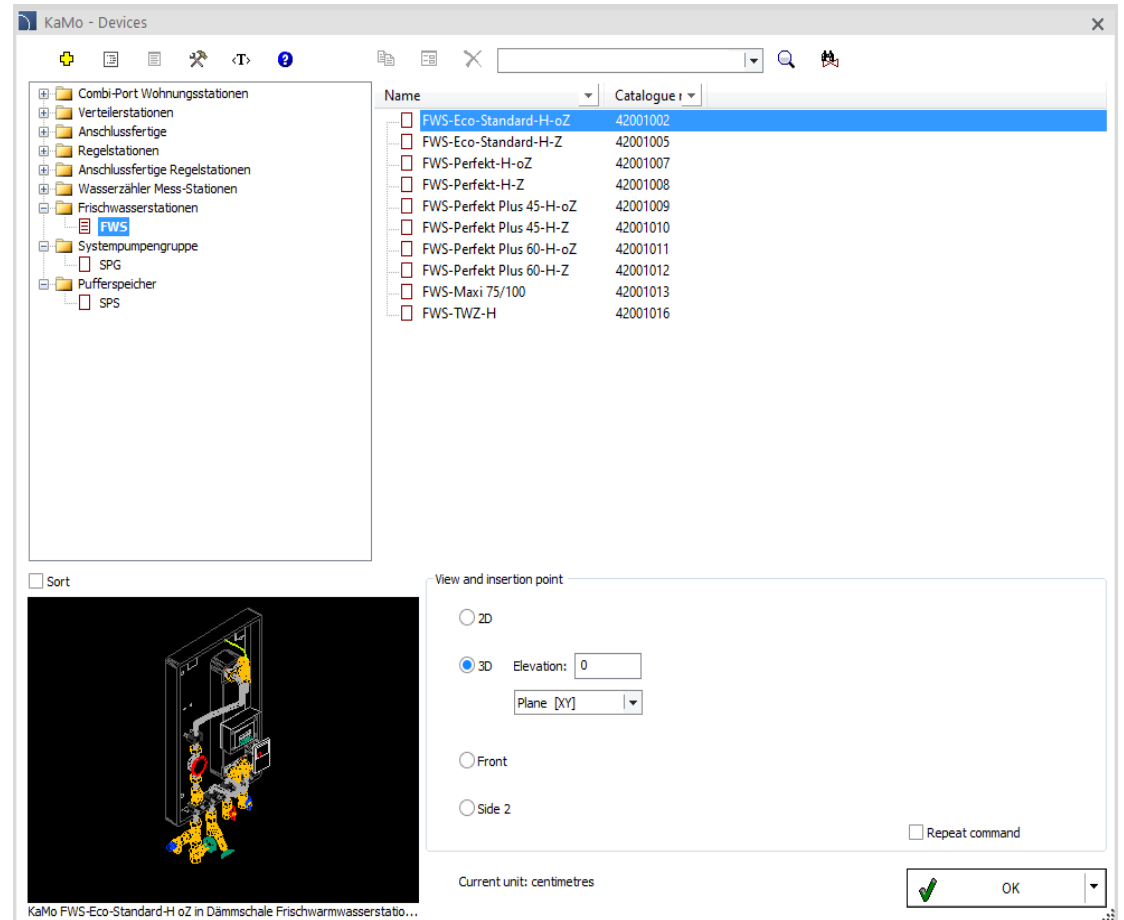
- Surge protectors for burglary alarm systems (1 and 8 channel) with accessories.
- Surge protectors for Gigabit Ethernet LAN (1, 4, 8 and 16 channel) with accessories.
- Surge protectors for LAN (1, 4, 8 and 16 channel) with accessories.
- Surge protectors for power line (1 channel).
- Surge protectors for M-BUS (1 channel).
- Surge protectors for RS-485 (1 channel).
- Active RS-485 bus distributors (1 and 4 channel repeaters).



✓ CADprofi OEM – extension of KaMo library

KaMo library has been extended with the following products:

- Fresh water stations (FWS-Eco-Standard, FWS-Perfekt, FWS-Perfect Plus, FWS-Maxi, FWS-TWZ).
- Pump groups (SPG 32 – M4, M6, M10, TM, UM).
- Buffer tanks (SPS - 500, 750, 1000, 1500, 200).





CADprofi

✓ Update of product libraries:





CADprofi

✓ Adjustment to many base CAD programs

CADprofi 2024 has been adjusted to work with latest CAD programs, including: AutoCAD 2024, Ares Commander 2024, ARES Mechanical 2024, AviCAD 2024, BricsCAD 2024, CADdirect 2024, CADian 2023, GstarCAD 2024, CMS IntelliCAD 11.1, INTELLICAD 2023, INTERsoft, progeCAD 2024 and ZWCAD2024.

CADprofi 2024 currently works with many base CAD programs including: AutoCAD (since 2004 version), ARES Commander 2024 BricsCAD, GstarCAD, IntelliCAD, progeCAD, ZWCAD and others.

The logo for AutoCAD, featuring the word 'AutoCAD' in a bold, red, sans-serif font with a registered trademark symbol.

The logo for ZWCAD, featuring the word 'ZWCAD' in a bold, blue, sans-serif font with a green leaf-like graphic above the 'W'.

The logo for GstarCAD, featuring the word 'GstarCAD' in a bold, blue, sans-serif font with a yellow 'A', and the tagline 'An Alternative CAD System' in a smaller blue font below it.

The logo for BricsCAD, featuring a stylized blue 'B' shape above the word 'BRICSCAD' in a bold, blue, sans-serif font.

The logo for progeSOFT, featuring a blue globe with a yellow 'I' shape inside, above the word 'progeSOFT' in a blue, sans-serif font.

The logo for IntelliCAD, featuring a purple diamond shape with a yellow 'I' shape inside, above the word 'IntelliCAD' in a bold, purple, sans-serif font.

The logo for Gräbert ARES Commander, featuring a red, stylized flame-like graphic above the word 'Gräbert' in a small black font, and 'ARES® Commander' in a large, bold, black, sans-serif font.