

ZWCAD MFG 2026 Release Notes

Overview

ZWCAD MFG 2026 mainly includes improvements in five aspects: multi-language support, part library enhancement, data management capability, design efficiency and compatibility improvement. The specific contents are as follows:

New Features&Enhancements	Description
Multi-language Support	ZWCAD MFG extends language support for Czech, Spanish, and Hungarian, bringing the total number to 11.
Part Library Enhancement	Continuously expand the part library to enhance the product's advantage in part library. Specifically, we have significantly increased both the scope and the quantity of parts in the JIS and KS part libraries.
Product Inplace Manager	Product Inplace Manager realizes the integrated management of product structure, product data, and documents, supporting the whole process operation from project creation, file management to data summary. The product structure hierarchy is clearly displayed in the assembly tree, which is convenient for designers to browse, open, and create part drawings. At the same time, it integrates data summary and batch processing functions to achieve efficient management of product design data.
Screw Connection	For Screw Connection scenarios, the assembly drawing of screw fasteners can be quickly generated. Users only need to select the required standard parts (bolts, washers, holes, nuts, etc.), the relevant size specifications will be automatically calculated and matched, and the drawing of Screw Connection can be completed with one click after specifying parameters such as hole depth.
Hole Generator	It provides tools for quickly drawing various types of holes (such as straight holes, stepped holes, conical holes, and center holes). Users can quickly generate the required construction holes by setting parameters such as hole type and size, and it also supports the drawing of standard and custom holes.
Expanded AutoCAD Mechanical Compatible Versions	The compatible versions of AutoCAD Mechanical engineering drawing formats have been expanded to achieve compatibility with all versions from AM6, 2004 to 2024.
4K Screen Adaptation	The display effect and user experience of the software on high-resolution displays have been optimized. The elements of the user interface, such as dialog boxes, palettes, and icons, can be correctly scaled according to the Windows text display proportion.

Multi-language Support

Besides Simplified Chinese, Traditional Chinese, English, German, Japanese, Korean, Polish and Turkish versions, **Czech, Spanish, Hungarian** versions have been added, reducing the learning costs for corresponding regional users.

Part Library Enhancement

The part library has been expanded to better meet the basic needs of overseas users, with a focus on JIS and KS standard parts.

For JIS standards, we've added structural steel, features, fasteners, and bearings, covering 68 standards with over 200 parts. KS standards saw expansions in features and fasteners, covering 55 standards with over 170 parts.

Product Inplace Manager

Product Inplace Manager (ZWMPRODMAN) supports the whole process operation from project creation, file management to data summary, realizing the management of the product design process and the efficient maintenance of product design data, and integrating data summary and batch processing functions to further improve product design efficiency.

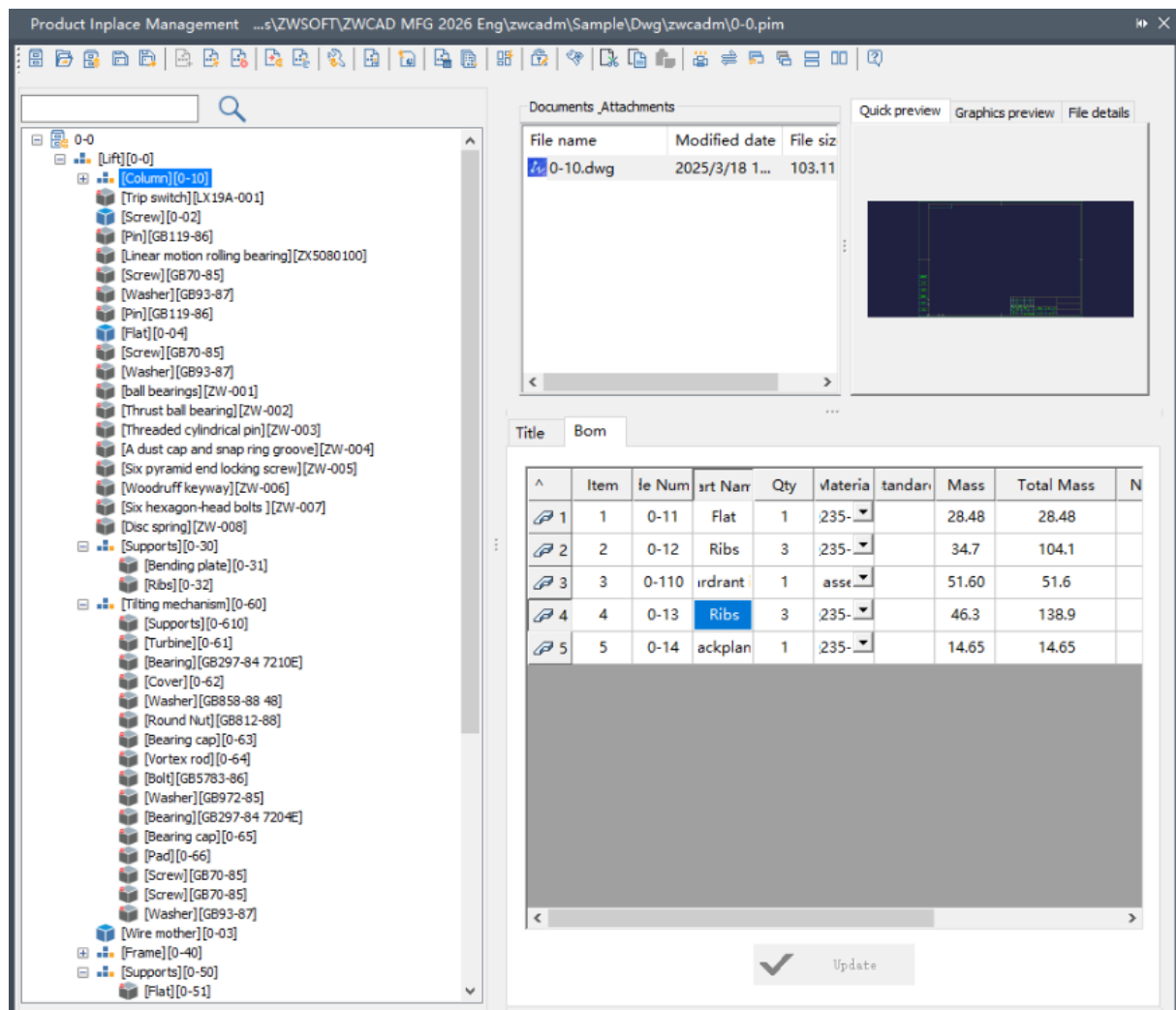


Figure 1. Product Inplace Manager palette

Design Process Management

It supports the establishment of product assembly trees, with part nodes associated with drawing data. The assembly relationship can be automatically refreshed based on the BOM details in the drawing. It supports top-down, bottom-up, and hybrid design modes of products. Users can clearly view the product structure and design completion status, realizing comprehensive control of the product design process.

Product Data Management

Based on the product assembly tree, users can conveniently create, browse, and open part drawings. It maintains title block and detail table part list data without opening the drawing, and prompts users to update the data when it is inconsistent, which ensures the consistency and accuracy of design data.

Data Summary and Statistics

It can automatically extract title block and part list information, complete product-level data summary, classification, and statistics through assembly structure data, and automatically

generate summary reports, helping users get rid of heavy data statistics work.

Batch Processing Function

A series of batch processing functions such as automatic layout, batch printing, batch script processing, and output file list are integrated based on the product assembly tree. It supports project organization function, which can automatically classify and organize project design files and export them with one click, facilitating the sharing and transmission of design data.

Screw Connection

The Screw Connection function (ZWMSCREWCON) provides a wizard-style creation process. After selecting the part, the size specifications will be automatically matched, and it also supports various Screw Connection methods, covering a rich range of fastener categories. It supports the creation of custom Screw Connection templates for easy reuse of common structures, and the out-of-library drawing supports various view styles to meet different design scenarios.

Wizard-style Creation

It provides a wizard-style creation interface with pre-set general Screw Connection part structures. After users complete the selection of bolts, washers, holes, and nuts in sequence, they only need to specify a nominal diameter, and the specifications of each part will be automatically matched. The bolt length will be automatically calculated based on the specified hole depth, thus achieving quick drawing of Screw Connections.

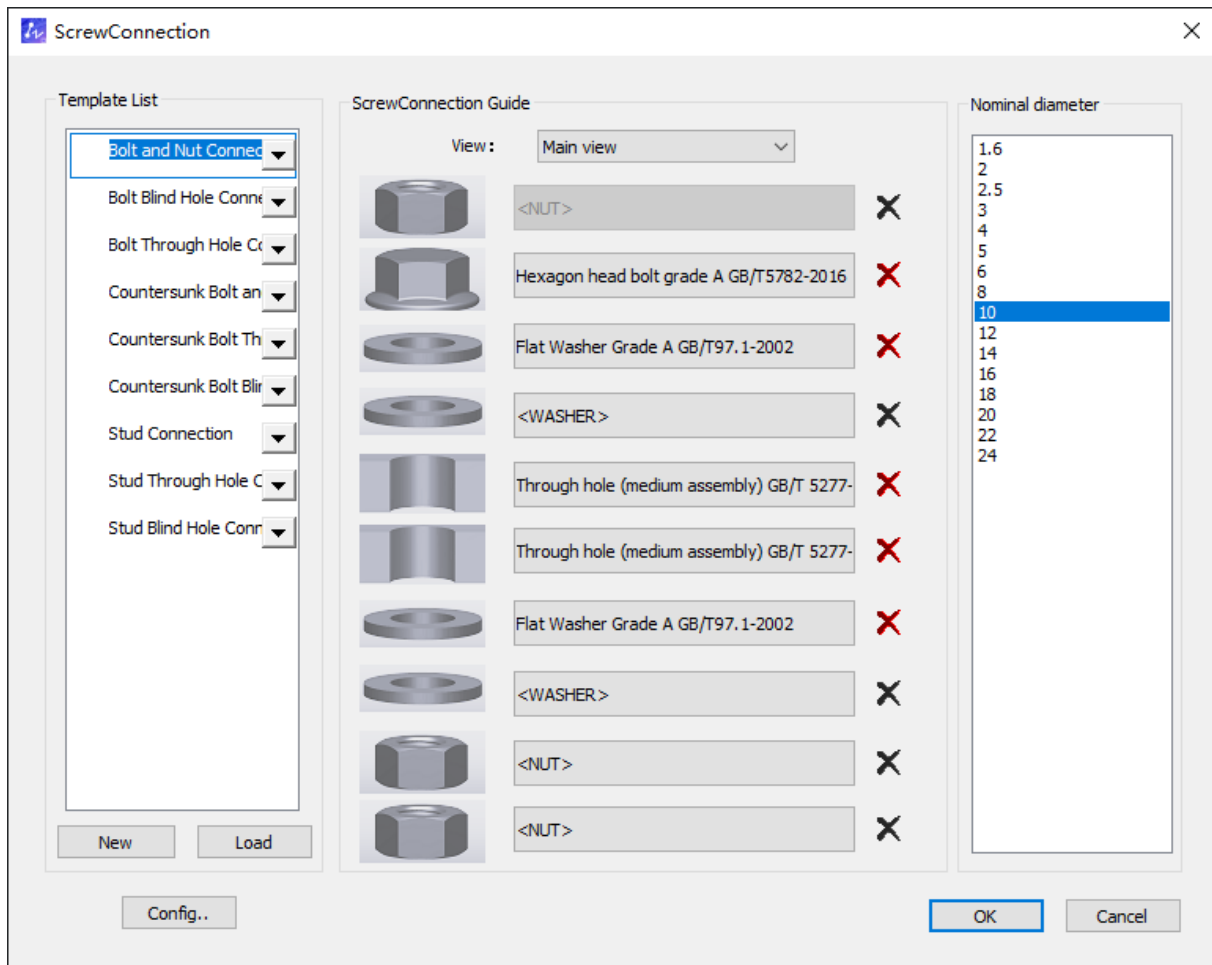


Figure 2. Screw Connection dialog box

Support for Various Screw Connection Methods

It supports various Screw Connection methods, such as bolt connection, screw connection, and stud connection, as well as combination scenarios with through holes and blind holes, and the hole graphics can be drawn synchronously. The selectable parts are data-interconnected with the part library, covering various fastener categories.

It supports double-click editing after the library is out, allowing further changes to part structure, type, and nominal diameter parameters.

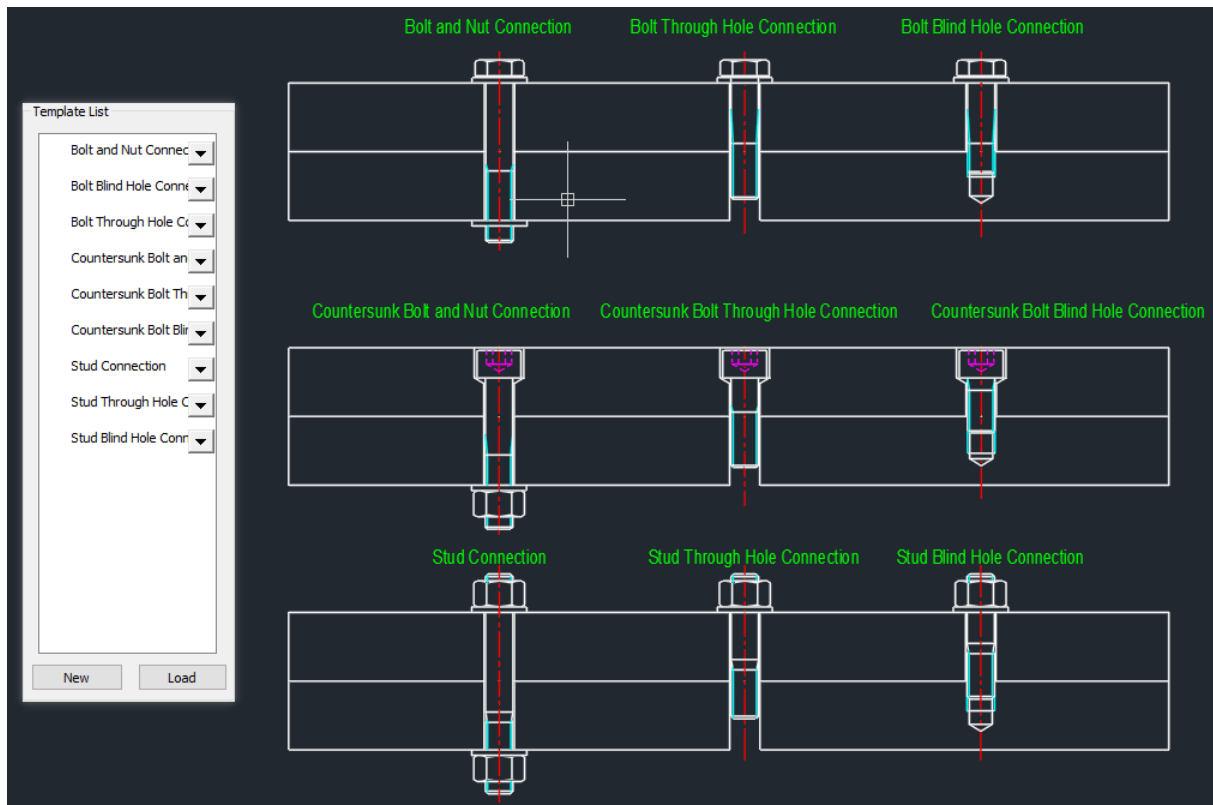


Figure 3. Support for Various Screw Connection Methods

Support for Custom Templates

For commonly used Screw Connection structures, it supports the creation of custom Screw Connection templates, allowing users to quickly load the required Screw Connection parts and further improve design efficiency.

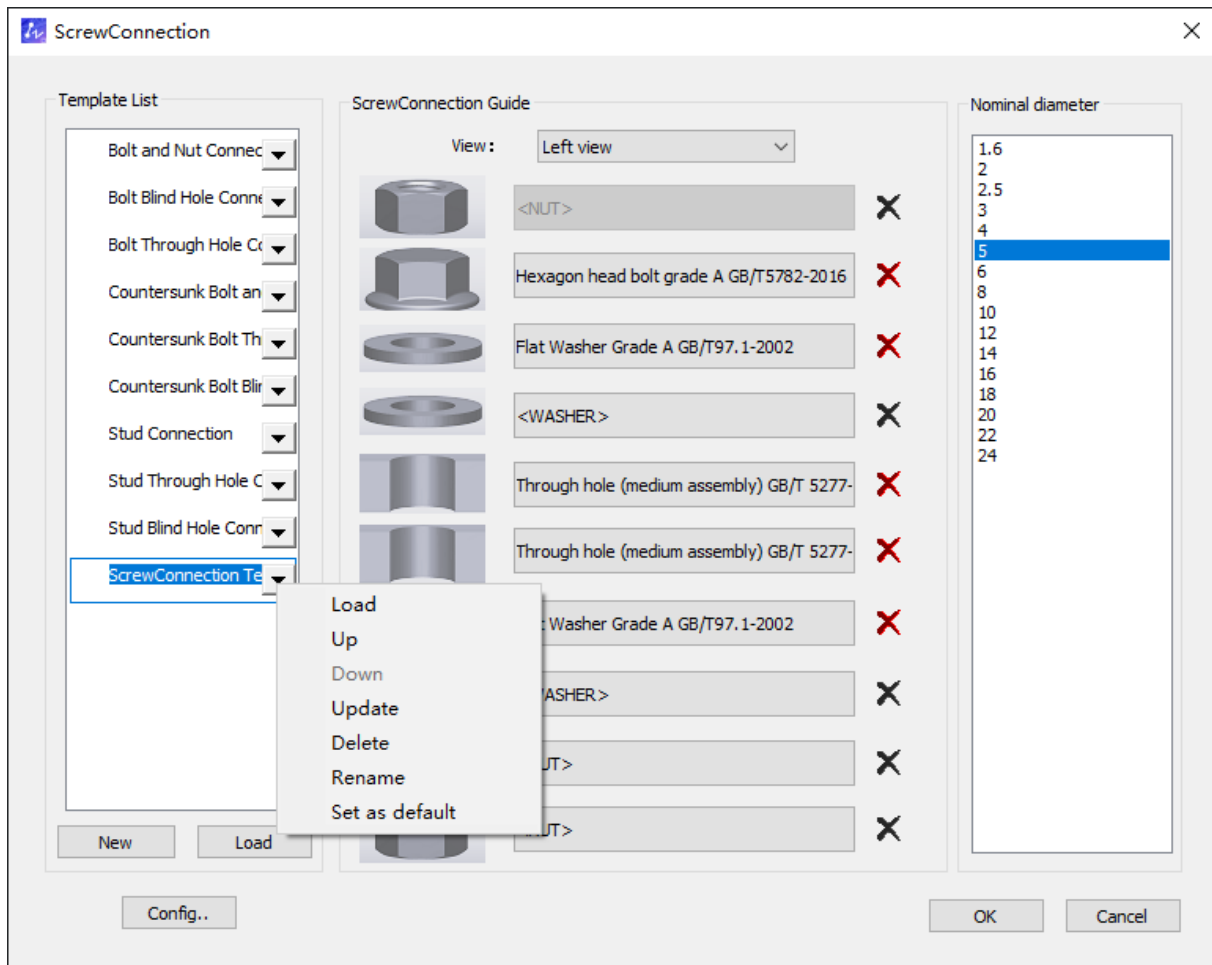


Figure 4. Support for Custom Templates

Support for Various View Styles

It supports various Screw Connection view styles: ordinary hidden, unhidden, virtual hidden, and section, meeting users' different drawing scenarios, and it also supports setting as block reference form out of the library.

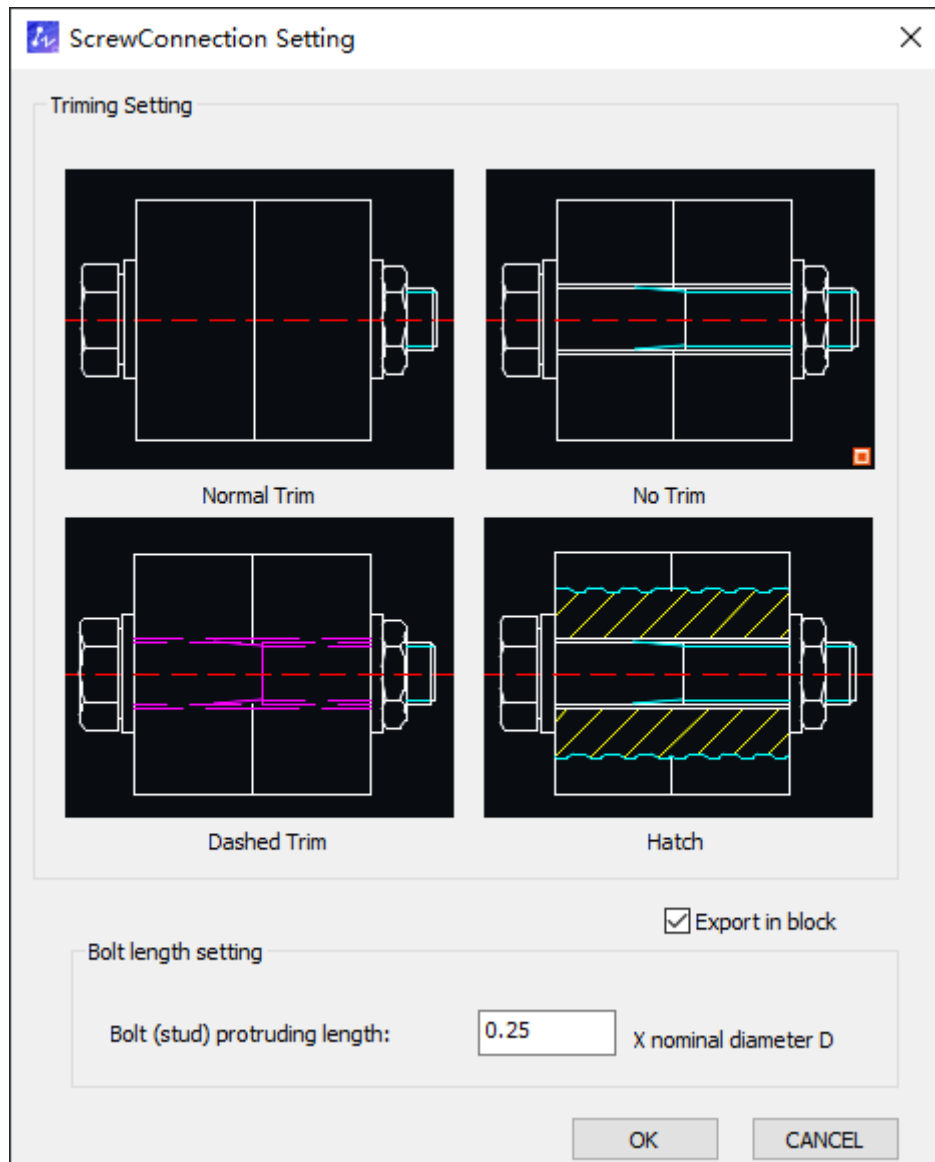


Figure 5. Support for Various View Styles

Hole Generator

The hole generator function (ZWMSTRUCTHOLE) enables the rapid creation of various hole types, facilitating parametric design. It supports local section views and background graphic hiding, while automatically adding annotations. It accommodates both standard and custom hole designs, making it widely applicable in scenarios such as mechanical part design, assembly drawing, and mold design.

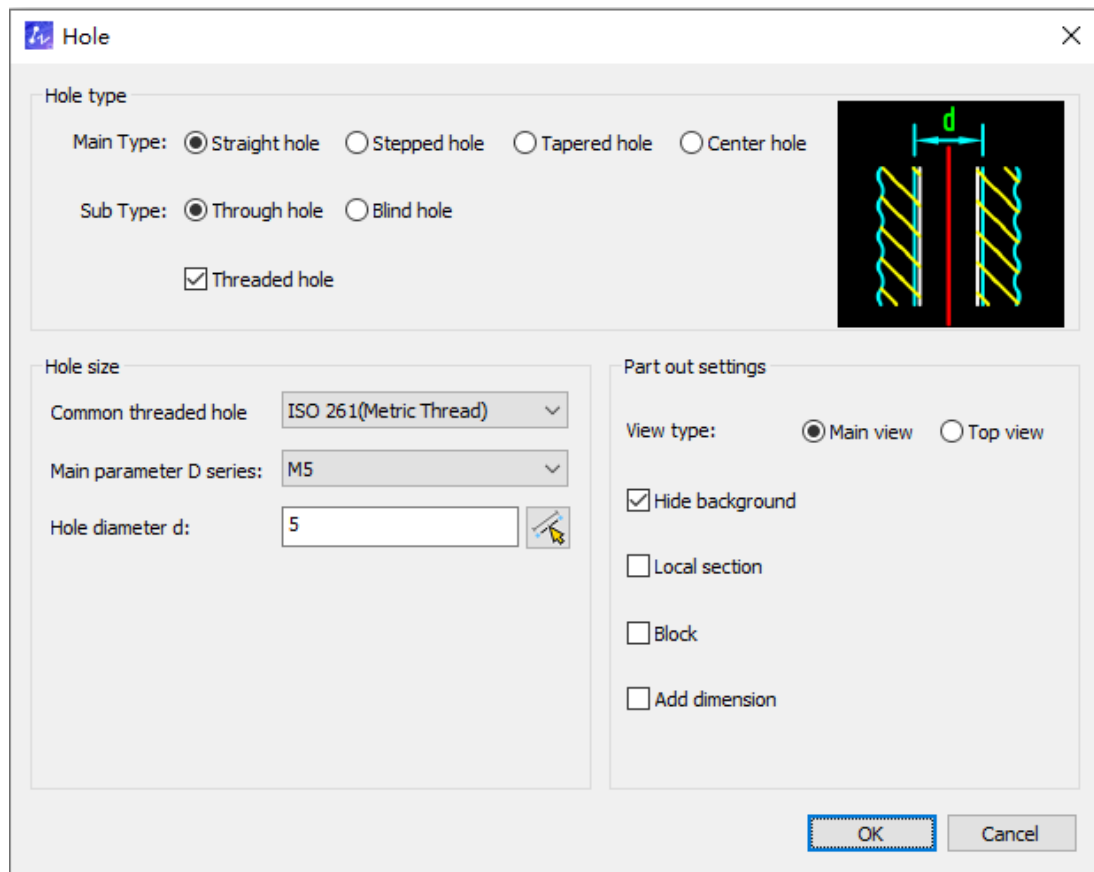


Figure 6. Hole Generator dialog box

Supports Multiple Hole Types

The function supports the creation of various hole types, including straight holes, stepped holes, tapered holes, center holes, as well as combinations of through holes, blind holes, and threaded holes. It allows for the drawing of standard holes while also enabling users to customize hole parameters (such as hole diameter, depth, angle, etc.) to meet the design requirements of diverse scenarios.

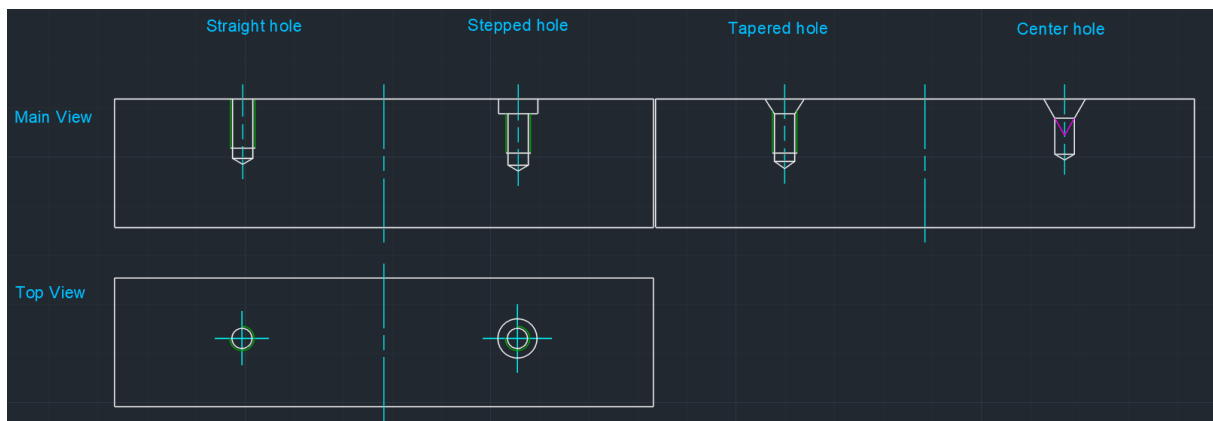


Figure 7. Supports Multiple Hole Types

Built-in International Standards

For threaded holes and center holes, commonly used international standards are integrated into the system. After entering the nominal diameter of the hole, the remaining dimensional

parameters are automatically populated based on the standard specifications, ensuring that the generated hole dimensions comply with standard regulations.

Supports Local Section View Effects

The function supports the setting of local section views for holes. It automatically creates an appropriate section range based on the hole contour and applies section filling.



Figure 8. Supports Local Section View Effects

Supports Multiple Automatic Annotation Methods

Hole annotations are essential for expressing hole dimensions, shapes, and positions. The function supports two dimension methods: Leader note and General note.

Leader note is suitable for intensively distributed holes or single hole which needs to be purposely annotated. General note is generally used in standard situation.

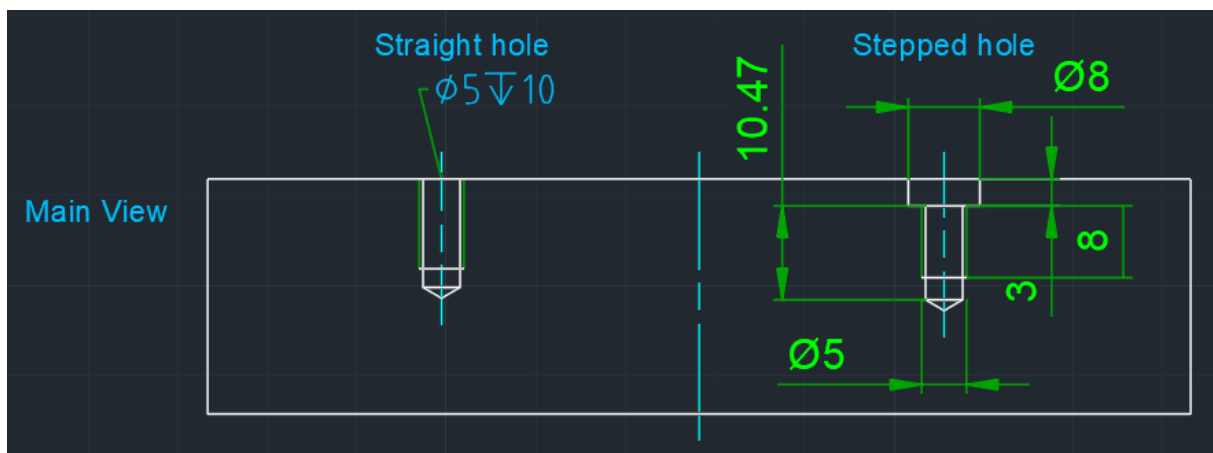


Figure 9. Supports Multiple Automatic Annotation Methods

Expanded AutoCAD Mechanical Compatible Versions

The compatible versions of AutoCAD Mechanical engineering drawing formats have been expanded, and the supported version range has been expanded from AutoCAD Mechanical 2012-2018 to AutoCAD Mechanical 6, 2004-2024, achieving compatibility with all AM versions and more widely solving customers' drawing compatibility concerns.

4K Screen Adaptation

The display effect and user experience of the software on high-resolution displays have been optimized. The icons in the command window and toolbar have been redesigned to support 4K resolution, ensuring clear display on high-resolution monitors, and the elements of the user interface, such as dialog boxes, palettes, and icons, can be correctly scaled according to the Windows text display proportion.