

MÜPRO

MP Designer 3D

Version 3.4.3.2411.2

Release notes



DESIGNER 3D

MP Designer 3D – Release notes

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Version	Date	Autor / Editor	Description / Comment
1.03	2024-11-19	Marcus Bechtel	Changelog updated
1.02	2024-11-18	Marcus Bechtel	Changelog updated
1.01	2024-10-15	Marcus Bechtel	Changelog updated
1.00	2024-09-02	Marcus Bechtel	Initial PDF-Version

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1 Scope

The aim of MP Designer 3D (MP3D) is to provide engineers and designers with a free 3D planning tool that includes the MÜPRO families.

2 Features

The MP3D is free software that does not require an additional license.

It is easy to use and can also be used on low-performance computers.

- ▶ 3D design
- ▶ Free to use (without special license)
- ▶ Easy to use
- ▶ Lightweight
- ▶ CAD export in multiple formats / systems
- ▶ PDF export

3 Current release

The current release date of the MÜPRO MP Designer 3D is **November 19th, 2024**

The Version indicates the Year and Month of release and the release number.

Syntax: 202411.2

This means that the release will take place in **November 2024** and the version number is **2**

4 Known issues

4.1 Special characters

Language settings with special character set like Cyrillic, Greek, Chinese, Korean, etc.

Umlauts, accents, characters and spaces cause frequent problems with file operations (opening, saving, etc.).

Occurrence:

- ▶ Language settings with special character set like Cyrillic, Greek, Chinese, Korean, etc.)
- ▶ Special characters used in:
 - Windows profile names (%userprofile%)
 - folder names (e.g. storage paths)
 - filenames

Remedy:

- ▶ Use close to root folder to store your projects (e.g. c:\MP3D\projects)
- ▶ Avoid special characters in:
 - Windows profile names (%userprofile%)
 - folder names (e.g. storage paths)
 - filenames

5 Changelog

Legend

KB = KB-number (knowledge base)

FIX = Error correction | **CHG** = Modification | **NEW** = New component or feature

M/D = Affects: main program (**M**) or database (**D**)

Version 3.43.2411.2 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2411.2)
NEW/D | KB#: DIN1025-HE-B steel beams added in standard parts

Version 3.43.2411.1 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2411.1)
FIX/D | KB#: Minor errors in database fixed

Version 3.43.2410.1 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2410.1)
NEW/D | KB#20240829102 : MPR type S connector
NEW/D | KB#20240829103 : MPR sliding element

Version 3.43.2409.1 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2409.1)
FIX/D | KB#202409301029: Wrong holes in wall hanger brackets
NEW/D | KB#202408281037: Hammer head fasteners zinc flake coating
NEW/D | KB#202409041023: End caps for heavy duty support profile
FIX/D | KB#202408301021: MPC support channel weight in English language
NEW/D | KB#20240828103 : Big Foot
CHG/M | KB#: Version numbering scheme changed [yymm.#]
FIX/D | KB#: Color/SKU assignment of primitives
FIX/D | KB#: Missing XML file filter in file dialog for display layouts

Version 3.43.007 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2408.1)
NEW/D: New products added

Version 3.43.006 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2405.1)
FIX/D: DIN1025 standard parts bug fixed

Version 3.43.005 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2405.0)
CHG/D: New products added
FIX/D: Missing standard parts bug fixed

Version 3.43.004 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2404.1)
CHG/D: New products added
FIX/D: Missing standard parts bug fixed

Version 3.43.003 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2402.2)
FIX/D: New official Release

Version 3.43.003 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2402.1)
FIX/D: First beta release

Version 3.43.002 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2312.1)
FIX/D: Internal improvements

Version 3.43.001 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2305.0)
FIX/D: Internal improvements

Version 3.41.002 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2303.0)
FIX/D: Internal improvements

Version 3.41.001 (CC:3.4.5.0 | Exp: 3.4.5 | DB:2301.1)
NEW/F: Camera manager und Camera views export in PDF added
FIX/D: Internal improvements
CHG/M: Update CADClick-kernel Version to 3.4.5

Version 3.40.009 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2301.0)

FIX/D: Internal improvements

Version 3.40.008 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2212.8)

FIX/D: Internal improvements

Version 3.40.005 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2212.2)

NEW/M: Function rotate with align improved

NEW/M: Function move by anchor improved

NEW/M: PDF-export, horizontal pictures added

NEW/D:

Version 3.40.004 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2212.1)

FIX/D: Error in switching level of detail fixed

Version 3.40.003 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2212.0)

FIX/D: Revit-Interface CAD-export error fixed

Version 3.40.002 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2211.0)

NEW/D #202211021036: Duct fixing angle with insulator type 3 added (sku: 172084)

NEW/D #202211021033: MPPR Support Channel 41/21/1,5 ergaenzt (sku: 175787, 175788)

Version 3.40.002 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2210.0)

NEW/D: MPC quick fastener plus added

NEW/D: Steel profiles DIN1025-IPE added

Version 3.40.001 (CC:3.4.3.0 | Exp: 3.4.3 | DB:2209.0)

CHG/M: Version number schemata changed

CHG/M: Update CADClick-kernel Version to 3.4.3

NEW/M: Multiple rows in text/dimensions

NEW/M: Delete function for text/dimensions in context menu

NEW/M: Library filter columns added

NEW/M: GUI: save/load GUI layout

NEW/M: Switch to catalog mode via keyboard

NEW/M: Adjustable timer for autosave added

NEW/M: Drag&drop for files added

NEW/M: Extended project information

NEW/M: PDF additional pages

NEW/M: PDF Export: default filename

NEW/M: PDF Export: settings get stored

NEW/M: PDF Export: landscape

NEW/M: Driver Update VISI 2022 (3D)

NEW/M: Driver Update TopSolid 7.16 3D

NEW/M: Driver Update TopSolid 7.15 3D

NEW/M: Driver Update TopSolid 7.14 3D

NEW/M: Driver Update CADDy++ 2022 3D

NEW/M: Driver Update CADDy++ 2021 3D

NEW/M: Driver Update SolidEdge 2022 2D + 3D

NEW/M: Driver Update HiCAD 2022 2D + 3D

NEW/M: Driver Update BricsCAD 22 3D

NEW/M: Driver Update SolidWorks 2022 3D

NEW/M: Driver Update Spirit 2021 2D + 3D

NEW/M: Driver Update Cimatron 16 3D

NEW/M: Driver Update MegaCAD 2022 3D

NEW/M: Driver Update Inventor 2023 3D

NEW/M: Driver Update AutoCAD LT 2023 2D + 3D

NEW/M: Driver Update AutoCAD 2023 2D + 3D

NEW/M: Driver Update TopSolid 2022 3D

NEW/M: Driver Update TopSolid 2021 3D

NEW/M: Driver Update Creo Parametric 8 3D

NEW/M: Driver Update Creo Parametric 7 3D

NEW/M: Driver Update Creo Parametric 6 3D

Update 2201.2 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2201.2)

CHG: Internal database structural improvements

Update 2201.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2201.1)

NEW: Special product DACH added

Update 2201.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2201.0)

FIX: Weight calculation fixed

Update 2111.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2111.0)

FIX: Errors in visibility fixed

Update 2107.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2107.0)

FIX: Standard parts type control fixed

CHG: Regular support channels added

CHG: Internal database structural improvements

NEW/M: Driver Update AutoCAD 2022 (2D+3D)

NEW/M: Driver Update AutoCAD LT (2D+3D)

NEW/M: Driver Update BricsCAD 21 (3D)

NEW/M: Driver Update Inventor 2022 (3D)

NEW/M: Driver Update TENADO V17 (3D)

Update 2105.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2105.0)

CHG: Internal database structural improvements

NEW/M: Driver Update HiCAD 2021 (2D+3D)

NEW/M: Driver Update NX 1847 Series - 1953 Series (3D)

NEW/M: Driver Update TopSolid 2020 (3D)

NEW/M: Driver Update TurboCAD 2021 (2D+3D)

NEW/M: Driver Update VectorWorks 2021 (3D)

Update 2104.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2104.0)

CHG: Internal database structural improvements

Update 2103.5 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.5)

CHG: Internal database structural improvements

Update 2103.4 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.4)

CHG: Internal database structural improvements

Update 2103.3 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.3)

CHG: Internal database structural improvements

Update 2103.2 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.2)

CHG: Internal database structural improvements

Update 2103.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.1)

CHG: Internal database structural improvements

Update 2103.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2103.0)

CHG: Internal database structural improvements

Update 2102.3 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2102.2)

NEW: Hanger sockets with inner thread 45 deg added

NEW/M: Driver Update CADdy++ 2020 (3D)

NEW/M: Driver Update MegaCAD 2020 (3D)

NEW/M: Driver Update MegaCAD 2021 (3D)

NEW/M: Driver Update Solid Edge 2021 (2D)

NEW/M: Driver Update Solid Edge 2021 (3D)

NEW/M: Driver Update SolidWorks 2021 (3D)

NEW/M: Driver Update BricsCAD 18 (3D)

NEW/M: Driver Update BricsCAD 19 (3D)

NEW/M: Driver Update BricsCAD 20 (3D)

NEW/M: Driver Update Cimatron 15 (3D)

NEW/M: Driver Update TopSolid 7.13 (3D)

NEW/M: Driver Update Visi 2021 (3D)

Update 2102.2 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2102.2)

CHG: Internal database structural improvements

Update 2102.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2102.1)

CHG: Internal database structural improvements

Update 2102.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2102.0)

NEW: STATO bracket with STATO clamp configuration added
NEW: STATO brackets configuration added

Update 2012.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2012.1)

CHG: STATO brackets configuration added

Update 2011.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2011.1)

FIX: Colour issues fixed in 3D model.

Update 2010.4 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2010.4)

FIX: Geometry and colour issues fixed in 3D model.

Update 2010.3 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2010.3)

FIX: Geometry issue fixed in 3D model.

Update 2010.2 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2010.2)

FIX = LOD error fixed

Update 2010.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2010.1)

NEW/D: Preassembled mounting bracket #169732 added
NEW/D: Cross channel connector MPC/MPR updated

Update 2010.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2010.0)

NEW/D: Height adjustable pipe slide type DHV added
NEW/D: Height adjustable pipe slide type THV2 added
NEW/D: Height adjustable pipe slide type THV1 added

Update 2008.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2008.0)

NEW/M: Driver update AutoCAD 2021 (2D & 3D)
NEW/M: Driver update AutoCAD LT 2021 (2D & 3D)
NEW/M: Driver update HiCAD 2020 (2D & 3D)
NEW/M: Driver update Inventor 2021 (3D)
NEW/M: Driver update Spirit 2020 (2D & 3D)
NEW/M: Driver update Palette CAD 10 (3D)
NEW/M: Driver update TurboCAD 2020 (2D & 3D)
NEW/M: Driver update TurboCAD 2020 Professional (3D)
NEW/M: Driver update VISI 2020 (3D)
NEW/M: Driver update REVIT 2020 (3D)

Update 2005.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2005.0)

NEW/D: MPT-Support profile Q100 Sendzimir galvanized added
NEW/D: Stahl anchors stainless steel added
NEW/D: Through anchors stainless steel added
NEW/D: Anchor rods for injection anchor stainless steel added

Update 2003.1 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2003.1)

FIX/D: Missing localized item descriptions added

Update 2003.0 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2003.0)

NEW/D: Single bossed clamp heavy-duty Version with three times connector added
NEW/D: Injection anchor XV Plus added

Update 2002.3 (CC:3.3.4.0 | Exp: 3.3.4 | DB:2002.3)

NEW/M: BOM Featureupdate
NEW/D: Angle 90 deg #1068679 and #168680 added

Update 2002.2 (CC:3.3.1.23905 / DB:2002.2)

NEW/D: U-Steel acc. DIN1026 added
NEW/D: Adjustable pipe bends added
NEW/D: Adjustable rectangular pipe bends added
FIX/D: Internal improvements and bugfixes

Update 2002.1 (CC:3.3.1.23905 / DB:2002.1)

CHG/D: Elbow EN10253 added
 FIX/D: Pipes DIN2448 fixed

Update 2002.0 (CC:3.3.1.23905 / DB:2002.0)

FIX/D: Internal update, not released!

Update 2001.0 (CC:3.3.1.23905 / DB:2001.0)

CHG/M: Export filter for CADdy++ 2019 (3D) added
 CHG/M: Export filter for HiCAD 2019 (2D & 3D) added
 CHG/M: Export filter for SolidEdge 2020 (2D & 3D) added
 CHG/M: Export filter for TopSolid 2019 (3D) added

Update 1912.0 (CC:3.3.1.23905 / DB:1912.0)

CHG/M: Export for ifc4- and Microstation 10 (3d) files added

Update 1911.2 (CC:3.3.1.23905 / DB:1911.2)

CHG/D: MPC support channels HDG #105072, #105074 removed

Update 1911.1 (CC:3.3.1.23905 / DB:1911.1)

CHG/D: Threaded rods, min. length reduced to 10mm

Update 1911.0 (CC:3.3.1.23905 / DB:1911.0)

NEW/D: Item 172692 concrete screw MMS plus hex head 12x90
 FIX/D: MPT-consoles base plate holes

Update 1909.4 (CC:3.3.1.23905 / DB:1909.4)

CHG/D: DIN2448 tubes fixed and added
 FIX/D: Item #129647 fixed

Update 1909.3 (CC:3.3.1.23905 / DB:1909.3)

CHG/D: Internal optimization of the database

Update 1909.2 (CC:3.3.1.23905 / DB:1909.2)

FIX/D: PDF-export error fixed

Update 1909.1 (CC:3.3.1.23905 / DB:1909.1)

FIX/D: LoD-error fixed

Update 1909.0 (CC:3.3.1.23905 / DB:1909.0)

CHG/D: MPT support channel Q50/3.5mm (#131623) withdrawn
 NEW/D: Adjustable primitives added (cuboid, pipe, duct)
 NEW/D: Adjustable Ceiling and Wall added
 CHG/D: Classical ceiling and wall elements withdrawn

Update 1908.2 (CC:3.3.1.23905 / DB:1908.2)

FIX/D: Configuration error fixed

Update 1908.1 (CC:3.3.1.23905 / DB:1908.1)

FIX/M: License issue fixed

Update 1908.0 (CC:3.3.1.23905 / DB:1908.0)

NEW/D: Strutting element FPA
 NEW/D: Single bossed clamp heavy duty hot dip galvanized
 NEW/D: MPR-Construction angle with strut, type S+, galvanised

Update 1906.1 (CC:3.3.1.23905 / DB:1906.1)

NEW/D: U-Protect pipe section Alu – Mineral wool

Update 1906.0 (CC:3.3.1.23905 / DB:1906.0)

FIX/D: Internal update, not released!

Update 1905.1 (CC:3.3.1.23905 / DB:1905.1)

NEW/M: 64bit CAD-export module for large assemblies
 NEW/M: Editor color override (not working in CAD-export)
 NEW/M: CAD-Support AutoCAD Architecture 2020 (2D & 3D)
 NEW/M: CAD-Support AutoCAD LT 2020 (2D & 3D)

NEW/M: CAD-Support AutoCAD 2020 (2D & 3D)
NEW/M: CAD-Support AutoCAD Plant 2020 (3D)
NEW/M: CAD-Support CATIA 2018 (3D)
NEW/M: CAD-Support Inventor 2020 (3D)
FIX/D: Description limited to 75 characters
FIX/D: MPT profile Q50 weight

Update 1905.0 (CC:3.3.0 / DB:1905.0)

NEW/D: Concrete screws MMS-plus
FIX/D: MPT-VARIO-joints angular adjustment
FIX/D: MPC-VARIO-joints angular adjustment

Update 1904.1 (CC:3.3.0 / DB:1904.1)

NEW/D: Ventilation floor consoles 250mm, 400mm
NEW/D: Fire protection Rohrmanschetten
NEW/D: Montagewinkel Edelstahl
FIX/D: Some rotary parts
CHG/D: DIN84 Screws line anchor added
CHG/D: DIN603 Screws line anchor added
CHG/D: DIN912 Screws line anchor added
CHG/D: DIN933 Screws line anchor added
CHG/D: DIN7985 Screws line anchor added
CHG/D: DIN976 Threaded rods line anchor added
CHG/D: Support angle anchor points

Update 1904.0 (CC:3.3.0 / DB:1904.0)

FIX/D: Internal update, not released!

Update 1903.4 (CC:3.3.0 / DB:1903.4)

FIX/D: Attribute assignment database
FIX/D: Some missing weights
CHG/D: Mounting bases for flat roof installation
CHG/D: Adapter for mounting bases for flat roof installation

Update 1903.3 (CC:3.3.0 / DB:1903.3)

NEW/D: Vibration Control Vibration dampers
NEW/D: Ventilation floor consoles
FIX/D: MPR Type S+ Saddle support
CHG/D: Anchor points support channels
CHG/D: Data assignments in library tree
CHG/M: Internal optimizations

Update 1903.2 (CC:3.3.0 / DB:1903.2)

FIX/D: Internal update, not released!

Update 1903.1 (CC:3.3.0 / DB:1903.1)

FIX/D: Internal update, not released!

Update 1903.0 (CC:3.3.0 / DB:1903.0)

CHG/M: Internal optimizations
NEW/D: MPR S+ components hot dip galvanized
NEW/M: Update routine via info dialog
NEW/M: CAD-Support VectorWorks 2019
NEW/M: CAD-Support TurboCAD 2019
NEW/M: CAD-Support MegaCAD 2019
NEW/M: CAD-Support SolidWorks 2019
NEW/M: CAD-Support Bentley Microstation 10 (3D)

Update 1902.6 (CC:3.3.0 / DB:1902.6)

NEW/D: MAFUND-Sheet added

Update 1902.5 (CC:3.3.0 / DB:1902.5)

CHG/D: Data assignments in library tree
NEW/D: DIN24145 - spiral ducts
NEW/D: EN10210 - Hollow profiles
NEW/D: DIN2448 - Steel pipes

NEW/D: DIN19500 – Drain pipes
 NEW/D: GEBERIT PE – Drain pipes
 NEW/D: GEBERIT Silent PP – Drain pipes
 NEW/D: Supporting angle

Update 1902.4 (CC:3.3.0 / DB:1902.4)
 FIX/D: Internal update, not released!

Update 1902.3 (CC:3.3.0 / DB:1902.3)
 FIX/D: Support channel length H-Profile & MPT-Q150

Update 1902.2 (CC:3.3.0 / DB:1902.2)
 FIX/D: Database fixed

Update 1902.1 (CC:3.3.0 / DB:1902.1)
 FIX/D: STATO-Clamps database assignment fixed

Update 1902 (CC:3.3.0 / DB:1902.0)
 FIX/D: Parts with angular adjustment
 FIX/D: Database link for stainless steel products
 FIX/D: Database link for hot dip galvanized products
 FIX/D: Anchor points MPC diverse
 FIX/D: Anchor points MPR diverse
 FIX/D: Anchor points MPR Typ S+ diverse
 FIX/D: DAEMMGULAST Channel sections length adjustment
 FIX/D: Material assignment for different parts
 NEW/D: Stainless steel products added
 NEW/D: Hot dip galvanized products added
 NEW/D: MPT-Profile 4-rail added
 NEW/D: MPT-parts with angle adjustment added
 NEW/D: Ceiling and Wall gypsum plasterboard 12mm und 20mm added
 CHG/D: Ceiling and Wall gypsum plasterboard (200mm) removed
 CHG/M: Optimization for PDF-export layout
 CHG/D: Length adjustment for threaded rods added

Update 1812 (CC:3.3.0 / DB:1812.0)
 FIX/D: Anchor points MPC
 FIX/D: Anchor points MPR
 FIX/D: Anchor points MPR type S+
 FIX/M: Crash at right mouse click in empty frame
 FIX/D: Parts with angle adjustment
 FIX/D: Dimensions in PDF file
 FIX/D: Item information changed
 FIX/D: Weight calculation for support channels
 FIX/D: Several info pictures added
 FIX/D: MPC/MPR-Protection caps anchor
 FIX/D: MPC 38/48 support channel
 FIX/D: Single bossed clamp with connection socket
 FIX/D: Threaded pipes
 CHG/D: Internal material assignment
 CHG/D: Threaded pipe adjustable length
 CHG/M: Program gui improved
 CHG/M: Library search textbox enlarged
 CHG/D: Bill of material default view flat
 CHG/M: License management activated
 NEW/D: Rectangular air duct's EN1505 extended
 NEW/M: Support for BricsCAD 17 (3D)
 NEW/M: Support for CADdy++ 2018 (3D)
 NEW/M: Support for Cimatron 14 (3D)
 NEW/M: Support for Creo Parametric 5.0 (3D)
 NEW/M: Support for VISI 2018 (3D)
 NEW/M: CAD-Support fuer REVIT 2019

Update 1811 (CC:3.3.0 / DB:1811.0)
 FIX/M: 3D-PDF export error fixed

FIX/D: PDF language error NL fixed
CHG/D: PDF layout modified
CHG/D: Special characters in item-description replaced

Update 1810 (CC:3.3.0 / DB:1810.0)

NEW/D: Building elements added
NEW/D: Ceiling and wall elements added
FIX/D: Vibration Control LOD3-error fixed
FIX/D: Pipe clamps LOD3-error fixed
FIX/D: Support channels LOD3-error fixed
FIX/D: Accessories LOD3-error fixed
FIX/D: Anchor points / Expansion points LOD3-error fixed
FIX/D: Heavy-Duty pipe supports LOD3-error fixed
FIX/D: Ventilation LOD3-error fixed
FIX/D: Pipe connectors LOD3-error fixed
FIX/D: Stainless steel LOD3-error fixed
FIX/D: Hot-dip galvanized LOD3-error fixed
FIX/D: Anchors and plugs LOD3-error fixed
FIX/D: Nameplates LOD3-error fixed
FIX/D: Marine products LOD3-error fixed
FIX/D: Standard parts LOD3-error fixed
CHG/D: Support channels material definition changed
CHG/D: Connection lock nut position and orientation adjusted

6 Contact

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