

# Service Pack 3 Enhancement List

## Improvements made in Service Pack build 3.02.706:

### Pattern Improvements

- CID 324 - Improved Initial Makepat units for Imperial configuration where they were previously showing as metric.
- CID 535 - Improved Draw Type Options.
- CID 64 - Improved Development.
- CID 1127 - Improved Collar Development.
- CID 1142 - Improved Development.
- CID 1148 - Improved holes on Development.
- CID 854 - Improved faces visibility when Bottom Radius set to 0.
- Improved Fabrication items by allowing functions to be used in calculated dims.
- Improvement made to straight duct patterns as seams were not being removed with the holes.
- Improvements to Bend insulation faces.
- Stability improvement when loading jobs with dampers.

### General Usability Improvements

- Improved automatic coupling selection so that the priority order is from the top left when the options to "Restrict to same tab" and "Allow couplers from different tabs" are enabled.
- Improvement made to CAD take-off dialog so the nodes are correctly displayed when the "cache similar patterns to save memory" option is disabled.
- Stability improvement to the 'Add to Custom Toolbar' feature.
- Stability improvement made to TRIME when copying and pasting the data.
- Improved selection drop down lists to stop scrolling when selections are made.
- Enhancements to data views to allow Window Selections.
- Improvements made to ADDREPORT when rows in a table are merged together showing the wrong unit symbol.
- Improvements made to Dynamic Holes when branches are mirrored.
- Improvement made to migration of legacy install where all folders were not being copied over.
- Stability improvement made to Path Repair Tool.
- Improved Dynamic Holes Developments.
- Improvement made to saving in Spool Path location.
- Improved Object Enablers to allow unloading with multiple open drawings.

### General Database Improvements

- Improved Material Database columns to be consistent.
- CID 60 - Improved Item Data Export output fields.
- Improved stability on 1D Barcode when data is more than 10 characters.
- Improvement made to Export Items Data when reporting out Square to Round Offset Depth.
- Improved scripting for owned content.
- Improved stability to Product Information Viewer.
- Improvement made to Edit Configuration when a link is added.

### Design Line Enhancements

- Improvement made to pressure drop calculations.
- Stability improvement with design line when filling oval end of line tees.
- Improvement made to design line to maintain data when copying lines
- Improved Calculate Pressure Drop dialog when hiding the list view.
- Improvement made to Design Line re-filling the wrong items.
- Improvement made to Design Line when filling reducing bends for risers.
- Improvements made to Design Line pressure drop calculations.
- Improved stability with Design Line constraints when adding restrictions.

**Print Objects Enhancements**

- Improvement made to pressure drop calculations.
- Improvement to item gauge print object to always display index number or thickness.
- Improved stability when adding reports that have pressure drop & velocity fields for calculations.
- Improvements made in printing Stiffener Breakpoints.

# Service Pack 2 Enhancement List

## Improvements made in Service Pack 2 build 3.02.600:

### Pattern Improvements

- CID 1113 - Marker notch option added.
- CID 148, 2148 & 2149 - improved annotations in viewer.
- CID 17 - Enhanced insulation development to support mitered inner throat settings.
- CID 2149 - Inlet and Outlet options made visible.
- CID 2160 - Removed dimension error warnings when branch values are set to zero but still expecting a valid angle.
- CID 24 - Dynamic hole changed to match the hole, not the plate size.
- CID 2523 - Insulation trimming improvement.
- CID 2882 - Improved to maintain a sensible scale view when setting dim F (Left Collar) to auto.
- CID 4 - Improved insulation to be positioned correctly when inner radius is set to zero.
- CID 40, 2040 & 2041 - Option "Duct Length" renamed to "Pipe Length"
- CID 839 - Development change to correctly match parts where the branch offsets no tangentially to outside of the pipe diameter.
- CID 868 - Centreline and pattern length will now report the C1 to C2 distance.
- Improved collars to no longer require redraw before take-off.
- Improvement made to pipe patterns to always allow you to change the connectors.
- Improvement made to pipe patterns to always allow you to specify pipe length.
- Improvements made to various patterns to cut insulations where holes have been added.

### General Usability Improvements

- Improved dynamic holes so that existing holes will be preserved
- Improved sub-assemblies to report the correct price for each component in the assembly.
- Stability improvement in MAPFILTER when searching for a connector containing the "%" symbol.

### Design Line Enhancements

- Improved design entry data for custom data when enabled for use on design line which now carries over the custom data as expected.
- Improvement made to design line to handle complex auto coupling scenarios.
- Improvement made to design line to place in line equipment in vertical risers using the same orientation as the ductwork.
- Improvement made to design line to prevent lines from moving after delete line is used.

### General Database Improvements

- Annotation multiplier now calculates as expected.
- Improved .dxf export to allow you to select how much detail to include. See /Pattern Switches/Developments
- Improved database component matching so that each component group will be taking into consideration when matching by name.
- Improved export data wizard by supporting different font sizes, data will no longer disappear from the dialog.

### Configuration Enhancements

- Improved "Remember this next time" when selecting a configuration from the start up screen.
- Improvements made when copying configurations so that the correct paths will be displayed, also projects will not be copied.

# Service Pack 1 Enhancement List

## Improvements made in Service Pack 1 build 3.02.502:

### Pattern Improvements

- CID 10,18 – Right Height value functions correctly.
- CID 1170 - Connector node positions corrected.
- CID 1177 - Developments corrected.
- CID 1177 - Double Wall option enabled.
- CID 29 - Collars now reporting diameter or length in item reports.
- CID 3 - Multiple connector adjusts now supported.
- CID 385 - Branch node position corrected when No Pipe option is used.
- CID 4 - Leg length option is always shown..
- CID 4 – Improvement made to pattern to remember the option Throat Type, previously when using “Mitered” and an extension was input, the throat would reset to “Radius” when redrawn.
- CID 4522 - Coupling inverted so now when inserted as open top this displays correctly.
- CID 502 - Stability improvement when opened in previous versions of Autodesk Fabrication products.
- CID 526 - Angle dim is now remembered when part is edited.
- CID 58 - Branch snap node is positioned correctly when branch only option is used.
- CID 7 - Improved accuracy of 3D model overall height if used with a connector with a straight allowance at the OM end.
- CID 8 - Bending information corrected.
- CID 838 - Drop rod can be stretched on V-Bottom Clevis type.
- CID 850 - Improved stability when adding straight branch in imperial configurations.
- CID 866 - Corrected hole position when a connector with a straight adjust is used.
- CID 879 - Coupling Plate connector face orientations corrected.
- CID 880 - Faces orientation corrected.
- CID 891 - Branch orientation corrected.
- CID 900 - Improved stability when type set to Vertical Elbow and Redrawn multiple times.
- CID 901 - Improved CableReducer so bottoms are aligned when different depths are specified.
- CID 910 - Improved stability when defining a single hole with auto spacing.
- CID 95 - Resolved overlapping developments when nested.
- CID 966 - Annotations now show in 3D viewer.
- CID 970 - Branch connector location corrected.

### General Usability Improvements

- Display Real Values for Auto Data Oval bend CID 106,107,108,109 on reports.
- Improve FABViewer accuracy when selecting the whole model.
- Improvement made to catalogue items to allow connectors and seams to be modified in drawings.
- Improved stability of various commands that use a selection of objects if “Include Nested Blocks” is enabled.
- Improved various areas of the program to handle file names containing % characters.
- Improved CONVERT3DMODEL to allow faces to be show.
- Improved PCF EXPORT so Item Source Filename is used as Item Description.
- Improvement made to ProcessRun when importing a .rif file, selecting cancel will abort the process.
- Improvement made to welcome screen to allow user to edit configuration's databases.
- Improved PCF Export to export sizes for fittings with multiple sizes (reducers, tees)
- Improved interoperability on subassemblies between Fabrication Products, 2013 & 2014 versions.
- Enhanced design line to carry over Zone and Alternate
- Improved lisp functions removemaptext and movemaptext to only removed specified text.
- Enhanced Linear Nesting so that the setup options are available to the user.
- Improved login/logout functionality to always present the user with a login window following a successful logout.
- Improved drawing switching to maintain the current service, when using Profiles and switching rapidly.

### Design Line Enhancements

- Enhanced design line when filling RedInLine nodes to prevent occasional reducer and straight overlaps.
- Enhanced design line when prompted to Set Flows so that the Set Flows dialog is displayed
- Improved design line when filling a vertical falling mechanical tee to correct orientation.
- Improved design line when using FILL2ENDS command on electrical risers so that the part orientation is correct.
- Improved hanger selection to only allow equal or greater sized hangers to be placed on pipe.
- Improved stability when filling side terminals.
- Improvement made to design line criteria to specify insulation without double wall being enabled.

### **Multi Service Line Improvements**

- Improved stability when using Orientation on Multiservicelines.
- Improvement made to MSF command when ending or exiting the command.

### **Print Objects Enhancements**

- Improved connector location print object as occasionally wrong connectors were displayed, usually when the cad end was not the same order as connectors.
- Improved stability when accessing print objects that were referencing invalid database components.
- Improvements made to database to include gasket Print Objects.

### **General Database Improvements**

- Improvement made to Editmap.exe for option to save EST tables, previously the setting was not being remembered.
- Improvements to tables to allow easier deselection when a select all is active.

### **Configuration Enhancements**

- Improved copy configuration feature so that only the local folders.ini is loaded.
- Improved model checking to allow complete models to be successfully loaded into FABVIEWER.
- Improvement made to Editmap.exe for option to save EST tables, previously the setting was not being remembered.
- Optimised ITM file and bitmap loading across networks.

### **Maprod Improvements**

- Improvements made to prevent filter buttons from vanishing when the columns were resized.
- Product Information Editor/Viewer now reads from common file locations.