



FAD Tools 5.2.0 Release

September 2018

FAD Tools International is delighted to announce that FAD Tools Version 5.2.0 will be available by the end of September 2018.

Please Note:

- FAD Tools 5.2.0 will install side-by-side with previous FAD Tools versions and will not over write any existing software.
- FAD 5.2.0 will produce the same Foundation Design result as previous versions. Depending on user selected options the results for the Concrete Design may vary, please see the user guide.
- The structure of the database has been updated to include new features and data input. Use of existing databases requires an update and may require additional input. As a default, legacy values are included to allow the analysis to run.
- Any existing databases (.fadt files) will be updated automatically when opened with the new program. The new program will save a copy of the existing database with a time stamp for use within previous versions.
- Updates to the program are based upon user feedback and mainly pertain to usability of the software.
- Videos of the updates to the program are available through www.fadtools.com and detailed descriptions are provided in the User Guide located within the program.

Enhancements Introduced with FAD Tools 5.2.0

- Updated User Guide
- Updates to user interface
 - Window priority setting updated to allow stacking of windows while running FAD Tools
 - Added double-click feature to expand menus, open libraries, and run analysis of cases (users can still use the right-click menus)
- Updates to file structure
 - Addition of Switch Tool (allows users to internally transfer between MFAD, HFAD, and TFAD without exiting the program)
 - Addition of Recent File Tool that lists the last created database files for easy retrieval
 - Open file feature on startup of program replaces the Options menu for selecting a database
- New "Import" feature for library data that allows copy-paste of data
 - Removed Import and Export file feature (features that were inactive in previous versions)
- New Data Libraries
 - Backfill Data Library included to use a single or multiple backfill within a project
 - Concrete Data Library included to use a single or multiple reinforcement design within a project
- New look of Analysis window
 - Checks associated with green color change for passing cases
 - Crosses associated with red color change for failed cases
 - Addition of groundline and top of shaft values reported for design verification

- New look for messages
 - Pop-up windows for warnings are replaced by messages below window
 - Warning and Error messages are now interactive and highlight issues for easy updating
 - Updated warning messages for geotechnical properties and loads
 - Users can ignore message and continue analysis at the users discretion
- Updates to Performance Criteria
 - User only required to enter a total deflection criteria or a total rotation criteria
 - User only required to enter a non-recoverable deflection criteria or a non-recoverable rotation criteria
 - Program will still calculate the deflection and rotation under the applied load
 - Performance verification reported for both groundline and top of shaft
- New report formats
 - Users can now set the default report type within the Options menu
 - Reports now have headers and page numbers
 - All input data appears on first sheet
 - All output data starts on second sheet
 - Total foundation length reported in addition to reveal and embedment length
- New plot features
 - Key values identified on plots (i.e. Design Capacity, Applied Load, Nominal Capacity)
 - All plots have data tables available to user
 - Designer can select which plots and/or data to export in a report
- New Concrete options
 - Added 14J and 18J bar sizes
 - User can now enter separate Tie Steel yield Strength and Longitudinal Steel Yield Strength
 - Added full length anchor bolt foundation diameter check
 - Updated to meet applicable sections of ACI 318-14 code (Details in User Guide)
 - New options available to define shear stress strength and minimum longitudinal reinforcements ratio
- Compatibility with Windows 10
- See www.fadtools.com for additional information including videos

Installing FAD Tools 5.2.0

- Your existing license key(s) will be automatically updated for 5.2.0
- The initial install of FAD TOOLS 5.2.0 may require Admin rights. Please coordinate with your IT department to install FAD Tools 5.2.0
- FAD Tools 5.2.0 will install side-by-side with previous FAD Tools versions and will not over write any existing software.

Updating Existing Database Files

- Any existing databases (.fadt files) will require an update to run in the new program. A copy of the existing database with a time stamp will be saved for use within previous versions.
- If you would like to copy an existing database from FAD Tools 5.1.18 or older, go to Options/Design Settings to identify the location of your current database. Within Windows Explorer, navigate to the database's location and make a copy and save to any location. You can assign a database by going to Options/Design Settings in FAD Tools 5.1.18 or older. In FAD Tools 5.2.0 a database can be assigned at the start of the program or from the main menu.
- FAD Tools 5.2.0 will update a copy of any existing database to include new backfill and concrete libraries. This may require the user to update backfill and concrete cases to associate with existing foundation cases. Once the backfill and concrete cases are created, they can be associated with foundation cases by right clicking on each foundation case.
- There are new options for concrete design that may result in different steel designs compared to FAD Tools 5.1.18. Please see the User's Guide for further information on these new options.

To Contact Support

If you experience any issues with FAD Tools 5.2.0, please contact us at support@fadtools.com.

We look forward to hearing your feedback.

Sincerely,

The FAD Tools Team