



AutoSPRINK Version 7 New Features

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AutoSPRINK VR7 New Features

AutoSPRINK Program Features

Licensing

Bronze (AQ) license features are available for users with non-licensed versions of AutoSPRINK (4/19/07).

RealDWG 2008

RealDWG 2008 has been implemented to support unicode and compatibility (8/13/07).

Crystal Reports XI

These reports have been implement in to the AutoSPRINK program for unicode support (9/24/07).

Menu Modifications

Bronze and Silver Level Menu Modifications

A variety of items have been disabled and activated in the Settings (including the Fabrication Standards page), Parts Database, View, Tools, Commands, Hydraulics, and Listing menus (9/19/06).

Gold Level Menu Modifications

A variety of items have been activated in the Actions, Edit, Snaps, Commands, Hydraulics, and View menus (9/7/06).

Bronze License New Features:

- All items under the Commands and Parts Database menus are now activated and available for use (8/31/06).
- AutoCAD drawings can now be imported and exported (8/31/06).
- Stock Listing is now available (8/31/06).
- The 3-D option for the **Remote Area Boundary** tool is now available (8/31/06).
- The **Cleanup Node Tags** option under the Hydraulics menu is now disabled (8/31/06).
- **Copy Bitmap** and **Paste Bitmap** under the Edit menu are now both available (2/14/07).
- **Batch Print** under the File menu is now disabled (2/14/07).
- Excel Spreadsheets have been removed from this license (2/14/07).

- The Link tool has been removed from the Bronze and Silver levels (2/14/07).
- **Command Dialogs** under the Settings menu has been removed from the Bronze and Silver levels (2/14/07).
- Camera tools have been removed from the Bronze and Silver levels (2/14/07).
- The Clipping Planes tool has been removed from the Bronze, Silver, and Gold levels (2/14/07).
- All greyed out tools (due to licensing limitations) have been removed from the Bronze and Silver license levels (2/14/07).
- The right-click Get Defaults from Selection command for Beams has been disabled (3/23/07).
- The Modify Pipes tool has been removed from the Bronze license level (2/14/07).
- Calculations for Max and Adjusted Loads are not available for the Sway Brace (3/23/07).
- The Riser Nipple command has been removed. The Riser Nipple button has been replaced with the Pipes to Target Pipes command (4/30/07).
- Sway Brace, Offset Move/Copy, Rotate, Align Labels with Parent Elements, and the Column Grid Wizard are all added menu items (5/4/07).
- The Tree and Grid Wizards have been added to the Wizards menu (8/13/07).
- The Remote Area function is now available in the Hydraulics menu and in all applicable Wizards (3/4/08).

Silver License New Features:

- **Selection Cursor** has been added to the Tools menu (2/14/07).
- The Quick Data Editors submenu has been removed from the Silver license (2/14/07).
- The right-click **Get Defaults from Selection** command for Beams has been disabled (3/23/07).
- Calculations for Max and Adjusted Loads are not available for the Sway Brace (3/23/07).
- The Convert Lines to Pipes command has been added to the Commands menu (4/30/07).

- Sway Brace, Align Labels with Parent Elements, and Report Printer Setup are all added menu items (5/4/07).
- The Remote Area function is now available in the Hydraulics menu and in all applicable Wizards (3/4/08).

Tools Menu

Picture Tool

Now automatically captures the current scene (current drawing) in the Picture tool Properties page (9/1/06).

Pipe

- If a Drop pipe is created, the pipe cut length property is defaulted to a manual takeout of 0.0 (4/12/07).
- The KWH, or DR 9 /DR 11 pipe type has been added to the pipe material list (7/19/07).
- The Match Pipe Ends to Fittings, Delete Pipes and Close Gaps, and Copy and Move Along a Vector actions have been removed from the contextual (right-click) menu, and the Match Elevation and Match Properties actions have been added (11/5/07).

Flex Drop Tool

This tool has been added to the Fitting submenu (7/25/07).

Pipe/Sprinkler Tool:

- Simple Interface – A left mouse click brings up a flyout listing a variety of sizes (9/1/06).
- Elevation Lock has been applied to this tool (10/5/06).

Sway Brace Tool

This tool has been added to the tools menu (11/27/06).

Sprinkler

The Copy and Move Along a Vector actions have been removed from the contextual (right-click) menu, and the Match Elevation and Match Properties actions have been added (11/5/07).

Fixed Flow Devices

The hydraulic calculations at all fixed flow devices (including **Hydrant** and **Nozzle**) now try to meet the minimum pressure if this setting is non-zero. This should only make a difference if Minimum Pressure is greater than the demand pressure at that node (12/10/07).

Areas Submenu

There is now an **Area Placement Options** dialog that appears allowing users to set the elevation when placing an occupancy and system area (1/25/07).

Mechanical Cross

This new fitting has been added to the Fitting submenu.

Properties

Fitting types will filter to only show existing types (12/3/07).

Listing Menu

Miscellaneous Pipes

When creating pipelines and make-ons, miscellaneous pipes now are considered as “others” and not Cross Mains (9/6/06).

Pipelines

- **Type Sequence** – Specific to creating pipelines and make-ons, there are now separate number sequences when using a different prefix for Branchlines and a different prefix for Cross Mains (9/6/06).
- **Default Properties** – There are now separate default properties for Lines, Mains, and Others (10/5/06). The default properties for Lines and Others are the same (11/28/06).
- **Line Label Placement** – Multiple labels can now be placed on a pipeline (10/25/06).
- **Update Pipelines** – This function is now available under the Finish menu in the Labels dialog on the Pipeline tab 11/28/06).
- Option added on the Pipelines & Make-Ons dialog to preface segment designation with incremented pipeline label (3/1/07).

Price Area Text Table

This Graphic User Interface (GUI), including its Properties page has been altered to be more intuitive (10/6/06).

Finish Menu

Column Labels

There is a new option to include a column number at the top of each column (7/23/07).

Manufacturer Harmonizing

This tool has been added to the Finish Menu (11/5/07).

Actions Menu

Cleanup Intersections

- This command now checks for Smart Pipe color and valid pipe role in the Simple Interface (9/6/06).
- This command now deselects all selected alerts before running (11/15/07).

Toolbars

Route Pipe Toolbar Button (Simple Interface)

Now brings up the Route Pipes Properties dialog box once a route pipe size is selected first from the flyout (9/1/06).

Clipping Slider

The Clipping Slider toolbar has been added to the AutoSPRINK program (7/20/07).

Parts Tree

The **Get Defaults from Selection** command has been added to the right click menu in the **Select** tab.

Modifications

- Silver, Gold (Simple Interface), and Platinum (Simple Interface) Finish Toolbar Modifications – Minor modifications have been made to the Finish Toolbar (9/11/06).
- **Pipe Properties Toolbar Modifications**
Changes have been made to the Pipe Properties toolbar for Bronze, Silver and Gold/Platinum (Simple Interface) levels (9/12/06).
 - The layout for the Modify Selected Pipes toolbar has changed (2/28/07).
 - The Pipe Elevation Lock on the Pipe toolbar has an added option to set the finish floor elevation (8/14/07).
 - Tool Tips have been added to the fly-out toolbar options in the Simple Interface for Gold and Platinum levels, and in the Silver and Bronze levels (9/24/07).
- **Actions Toolbar**
 - Changes have been made to the Actions toolbar for the Bronze, Silver and Gold (Simple Interface) levels (9/12/06).

- Changes have been made to the Platinum license Actions toolbar (Auto Clip, Foreground, and Background clip buttons removed. Wizards flyout button added.) (3/27/07)
- **Auto Draw Toolbar**
The Sway Brace tool button has been added to the toolbar (3/27/07).

Pipe Groups

- C (copper), P (plastic), and G (grooved pipe) have been added to all Pipe Group lists (9/1/06). **Pipe Group W** now has Schedule 40 as the default pipe material for size 1 (10/3/06).
- Typical (T) pipes automatically omit segment labels. Non-typical pipes retain their segment designation (11/16/06).

Settings Menu

Get Defaults from Selection

- Now allows user to match the properties of a new element(s) with those of an element(s) used in previous versions of AutoSPRINK (9/5/06).
- When right-clicking on a sprinkler in a drawing, Get Defaults From Selection will also set the wizard sprinklers to the selected properties (5/1/07).

Fabrication Standards

- In the **Special Conditions** section of the Fabrication Standard dialog, (Pipes tab) **Limit Type List** is the only option defaulted to selected. The two “Force Fittings” options are defaulted to not selected (1/9/07).
 - **Limit Type List** has been removed from this dialog (3/23/07).
- There are new default options for the Pipeline tab in both the Simple and standard interfaces. Two new options have been added to the ‘Line Ownership’ area of the Pipeline tab (1/8/07).
- Assign Pipe Roles has been removed from the Pipes tab of the Standard Interface Fabrication Standards dialog (3/23/07).
- In the Smart Pipe section of the Simple Interface Fabrication Standards Pipes tab, text to define the pipes that override above defaults has been added (2/23/07).
- The **Minimum Allowable Pipe Lengths** section of the Pipe & Hanger Lengths tab has been altered with different cut length attributes (4/19/07).

- The default settings for the minimum distance an outlet can be placed from the end of a pipe and for the **Pipe Cut Lengths** section of the **Pipe & Hanger Lengths** tab have been changed (11/2/07).
- The default settings have been changed in the **Pipe Sizing** tab (11/2/07).
- The option to include additional pipe sizes in the **Pipe Sizing** tab may not be unchecked in the Bronze or Silver licenses (11/2/07).
- The **Sway Brace** tab has been added to the Fabrication Standards dialog (12/11/07).
- Pipes will now show as a red circle when their Cut Length is too short based on the Fabrication Standards dialog (3/4/08).

Speech Recognition

- The Customize Speech Recognition dialog now has two property pages that are a part of the dialog (12/12/06).
- There is now a Simple Interface Speech Recognition Configuration dialog which shows speech phrases for Smart Pipe voice commands (2/1/07).
- Under the Edit Speech Recognition Command Phrases tab the command 'ToolPipeContinuous' phrase was changed to Pipe (2/1/07).
- After a profile is created, and **OK** is selected, the created profile is the one used from that point forward until changed by the user (1/8/07).
- Speech recognition is now installed by default when using the Typical installation (11/5/07).

Steel Details

Labels can be placed on beams. Beam labels are now available on the Beam Properties page (9/1/06).

Supply Properties

The **Location** field has been added to this properties page (9/19/06).

Typical Piping

There is now a capability on the Fabrication Standards Pipeline page to control the minimum number of pipes in a 'Typical' group (8/25/06).

Smart Piping

- The **Ignore Smart Pipe** option is automatically activated when a user makes any change to a pipe's properties. This option along with **Ignore Smart Color** has also been added to the last page of all Wizards (9/19/06).
- The Modify Pipe tool now checks for the status of Ignore Smart Pipes (12/1/06).
- Undo elements have been added to account for adding a pipe and altering a pipe's settings (12/13/06).
- If a pipe drawn by a user is a Feed Main and is collinear with a Cross Main, the pipe will be a Cross Main (3/2/07).
- "Set Ground Start z" is a user-defined option which has been added to the Simple Interface Pipes page that allows users to set an underground pipe elevation (5/23/07).

Settings Files

The four settings files distributed with AutoSPRINK have been updated (9/19/07).

File Menu

Simplified Stock Listing

There is now a Simplified Stock Listing license. The two-letter code is 'SS' (1/9/07).

Source Control

This menu item allows for version control of drawing and other files (1/5/07).

Hydraulic Reports

- Separate Job Names for Remote Area – A Job Suffix field has been added to the Hydraulic Report for each boundary type (9/19/06).
- When generating and previewing report data, the program checks for any errors. If any errors are detected, they will force the Hydraulic Calculation Messages dialog box to open on the screen (8/31/06).
- There is now an NFPA-style format Hydraulic report available. This is an updated format (font size, information, and style is different from the simplified format) (12/1/06).
- The text on the Hydraulic Graphs has been shifted to not obscure the curve points (2/23/07).

Stock Listing Reports

- There are limited reports available under Simplified Stock Listing. The default **Report Options**, **Printing Options**, **Fabrication Options**, **Export Report(s)** buttons are all non-user accessible and **Pipe Sticks** options are non-user accessible in the Simplified Stock Listing (1/9/07).

- An issue with the Threaded Branch Line Report (by size) having no data in it has been resolved (9/4/07).
- Fittings descriptions on the reports are now all spelled out completely. They are no longer abbreviated (9/24/07).
- An issue where the pipe sizes did not show for the Cut Pipe Report in the Stock Listing Reports when “Text Only” was selected has been resolved (11/15/07).

AutoSave

When selecting the Explore Folder button on the AutoSave dialog, the AutoSave dialog box will now close before Windows Explorer opens (12/1/06).

Importing AutoCAD Drawings

The Clean House functions Remove Illogical Elements and Discard Unreferenced Symbol Data are included during the final stage of the import process (12/1/06).

Sway Brace Reports

This option has been added to the **Printing** submenu. (11/27/06).

Manufacturer Data Sheets

This item has been added to the **Printing** submenu (9/27/06).

Import / Export Submenu

- The DWGDirect options have been removed from the Import and Export submenus (3/23/07).
- The option to import a Tol-Brace output file has been added to the Import submenu (4/20/07).

Parts Database Menu

New Parts Added to Parts List

The Lag Bolt and the Machine (Hex) Bolt have been added to the Parts Book. These items supersede the Lag Screw and the Hex Bolt from previous versions of the Parts Book (9/1/06).

Material Lists

This list gives the ability to filter parts based on user defined sets of Minimum, Standard or All parts. This list had been added to the Parts Database: Parts Book Quick Data Editors menu (10/25/06).

Removed User Parts Item

Generic has been removed from the Manufacturer's list under Step 2 for defining a user part (1/9/07).

Manufacturer Editor

A user can add a new manufacturer when adding a new part. The default manufacturer item code is 10000000 (9/18/07).

User Description

All full Description fields display the User Description, when one exists, including in the reports. The Parts List dialog is the one place where the User Description does not display (9/21/07).

New Sizes Added to Database

New sizes have been added to the Parts Database, including 3/8 x 2³/₄ (12/10/07).

Hydraulics Menu

Check Point Gauge

Normal Gauge, Base of Riser, and In-Rack are three new options for Gauge Type for Reporting available on the Check Point Gauge Properties page (9/19/06).

Remote Area Boundary

There is now an **Area Placement Options** dialog that appears allowing users to set the elevation when placing a remote area boundary (1/25/07).

Analysis Reports

- The numbers listed in the **Node Analysis** tab in the **Analysis Reports** dialog now appear red if the pressure calculated is higher than the Minimum Flowing Sprinkler Pressure specified in the **Hydraulics Calculations** dialog (11/2/07).
- The velocity numbers listed in the **Pipe Analysis** tab in the **Analysis Reports** dialog now appear red if the velocity calculated is higher than the Maximum Velocity specified in the **Hydraulics Calculations** dialog (11/2/07).

System Optimizer

The velocity numbers listed in the **Pipe List** section in the **System Optimizer** dialog now appear red if the velocity calculated is higher than the Maximum Velocity specified in the **Hydraulics Calculations** dialog (11/2/07).

Commands Menu

Divide Command

Point elements created from this command are now considered children of the parent element. Snap points to a pipe based on snap point distance set in pipe properties have also been added (9/18/06).

Convert Text Boxes to Text Lines

This command has been added to the Commands menu (7/23/07).

Element to Polytriangles

This command was created to convert many quads and/or triangles into a single polytriangle (12/1/06).

Interference Checking

- Beams and columns no longer appear in the list of sources for interference and their corresponding values are set to FALSE (1/8/07).
- The checkbox “Show one alert per element” has changed to “Show one alert per pair of elements” (3/26/07).

Sway Bracing

- There now is an Assign Sway Brace Zone Elements dialog with an option to exclude all elements, other than pipes, from being assigned (1/10/07).
- The Sway Brace Detail command has been added to the Sway Bracing submenu. This command adds a Sway Brace detail to a drawing (3/29/07).
- The Sway Brace Zone Legend and the Sway Brace Tag have been added to the Sway Bracing submenu (5/1/07).

Delete Pipes and Close Gaps

- This command has been added to the Commands menu.

Auto Draw Menu

Connect Pipes to Sprinklers

- The **New Pipe Properties** area of this command’s page has been modified (9/19/06).
- Two new options have been added to this dialog under **Connect Using**: Flex Drop and Pipe to Flex Drop (2/11/08).
- An error message will now appear when this function fails to make a connection (3/4/08).

Easy Drop

The **Convert to Plug** option on this dialog his option also adds a Reducer/Coupling (or Reducer/Adapter) automatically if needed (4/12/07).

Arm Around Command

- This command has been added to the Auto Draw menu. Features have been added to this command to ensure the correct proposal is performed when resolving any interference. All entered user modification will save when **Done** is clicked (10/25/06).

Alerts Menu

Load and Save Resolution Proposals

These commands have been added to the Alerts menu. Alerts associated with elements that produced the proposal can now be loaded and stored (9/19/06).

Parts Tree Alerts Tab

- The secondary location will display in the Alerts tab of the Parts Tree if the primary and the secondary location differ (5/3/07).
- The camera or view will be focused on a specific alert when that alert is selected in the Alerts Tab of the Parts Tree (9/18/07).

Alert Properties Page

- A drop-down control list has been added to this page under the **Capture Image** column to allow user to change the Selected Note Image (2/6/07).
- An **Export** checkbox has been added to this page allowing a user to export an alert note as a text box appearing next to the alert when exported to AutoCAD (3/26/07).
- Show Top of Structure, Show Finish Floor, and Show Horizontal have been added to the Alert Properties page (8/7/07).

Interference Checking

This command has been added to the Alerts menu (3/26/07).

Alert Resolution Proposal Manager

This dialog (available only in the Platinum license) has been added to the Alerts menu (8/7/07).

Alert Control

This dialog (available only in the Platinum license) has been added to the Alerts menu and provides various alert settings options (3/26/07).

Select Menu

Selection Properties

Properties tabs of multiple elements appear on one main Properties page. A Selection Properties tab has been added to the Properties page if multiple elements are selected (9/19/06).

Wizards Menu

3-Point System and Grid System

- The **Finish** button has been added to each dialog for both Wizards (4/30/07).
- The [Tab] key on a user's keyboard can be used to access the **Finish** button on both of these Wizards (9/18/07).

Advanced Drop Connect Wizard

This wizard has been added to the Wizards menu (2/11/08).

Help Menu

About AutoSPRINK

- In the About AutoSPRINK dialog box, an ampersand has been added between patent numbers for easier viewing (1/8/07).
- A swing joint command patent has been added to the About AutoSPRINK dialog box (7/23/07).