

System Options

Description: Allows you to customize your work environment as well as the system performance.

Note: Accepting changes to the system options does not need to occur on every tab, it can be done after all desired changes have been made.

The image shows the SolidWorks System Options dialog box, General tab. The dialog is titled "System Options - General" and has two tabs: "System Options" and "Document Properties". The "System Options" tab is active, showing a list of categories on the left and various settings on the right. The "Document Properties" tab is also visible, showing "Open last used document(s) at startup:" set to "Never".

Callout boxes provide the following information:

- Document Settings which is only accessible when a part, assembly, or drawing is open**: Points to the "Document Properties" tab.
- Overall SolidWorks system and performance options**: Points to the "System Options" tab.
- Allows for a multi-user environment. The same file can be worked on at the same time as well as saved and updated between users (does not check lightweight components). Optimal for a team project setting.**: Points to the "Collaboration" option in the left-hand list.
- Choose whether to open a recent document at the startup of SolidWorks**: Points to the "Open last used document(s) at startup:" dropdown menu.
- Enables the modify dialog box for changing a dimension. If this is not checked the user will have to double click a dimension to change its value**: Points to the "Input dimension value" checkbox.
- Shows the name of the dimension as well as its numeric value**: Points to the "Use system separator for dimensions" checkbox.
- Reset all toolbars to original factory settings (applies to all tabs)**: Points to the "Reset All" button at the bottom left.
- Accept any changes the user has made to the general settings**: Points to the "OK" button at the bottom right.

Drawings

The screenshot shows the 'System Options - Drawings' dialog box. The 'Drawings' category is selected in the left-hand tree. The right-hand pane contains various checkboxes and settings. Three red arrows point from text boxes to specific settings:

- An arrow points to the checkbox 'Show contents while dragging drawing view', with the text box: 'Displays a shadow box outline of the drawing view when inserted onto a sheet'.
- An arrow points to the checkbox 'Display sketch arc centerpoints', with the text box: 'Enable the display of sketch arc center points when a drawing view is inserted'.
- An arrow points to the 'Detail view scaling' field, which is set to '2', with the text box: 'Set the automatic scale for a detail view'.

Other visible settings include: 'Eliminate duplicate model dimensions on insert' (checked), 'Mark all part/assembly dimension for import into drawings by default' (checked), 'Automatically scale new drawing views' (checked), 'Smooth dynamic motion of drawing views' (checked), 'Print out-of-date drawing views with crosshatch' (set to 'Prompt'), and 'Keyboard movement increment' (set to '10mm').

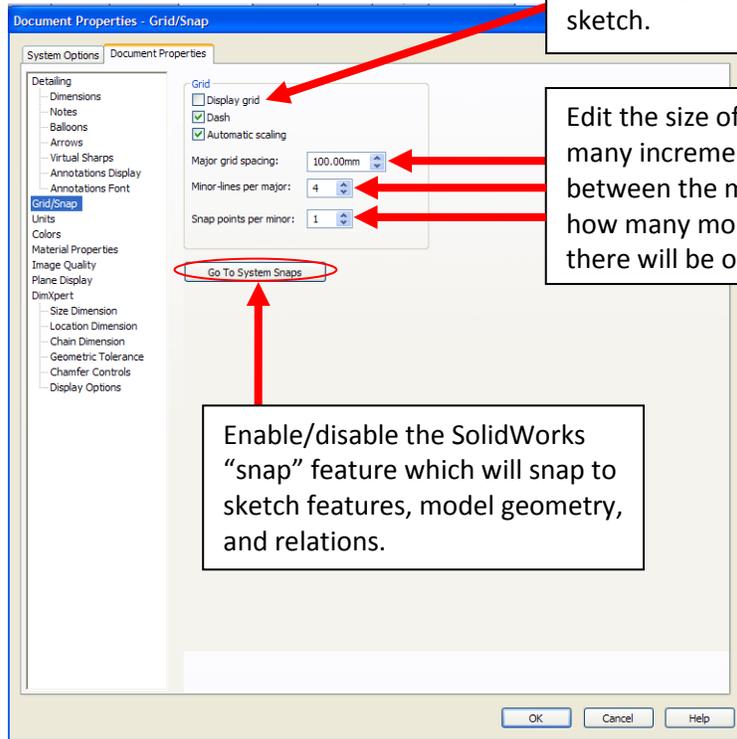
Detailing

The screenshot shows the 'Document Properties - Detailing' dialog box. The 'Detailing' category is selected in the left-hand tree. The right-hand pane contains settings for dimensioning and datum features. Two red arrows point from text boxes to specific settings:

- An arrow points to the 'Dimensioning standard' dropdown menu, which is set to 'ISO', with the text box: 'Change the dimensioning standard (ANSI → ISO)'. The 'ANSI' option is visible in the dropdown list.
- An arrow points to the 'Datum features' section, specifically the 'Display type' dropdown menu, which is set to 'Per Standard', with the text box: 'Edit datum features such as which letter it begins at and the shape of the surrounding text box.' The 'Next label' field is set to 'A'.

Other visible settings include: 'Extension lines' (Gap: 1mm, Beyond dimension line: 1mm), 'Surface finish symbols' (Display symbols per 2002: unchecked), and 'Trailing zeroes' (set to 'Smart').

Grid/Snaps



Display a grid when entered in a sketch.

Edit the size of the grid, how many incremental lines are between the major lines, and how many mouse snap points there will be on each minor line

Enable/disable the SolidWorks "snap" feature which will snap to sketch features, model geometry, and relations.

Basic Units

Specify the units if custom unit systems is selected. Specify the precision as either decimal or fractions under fractions. Under more you can round to the nearest fraction. Specify the units for angles (deg/rad).

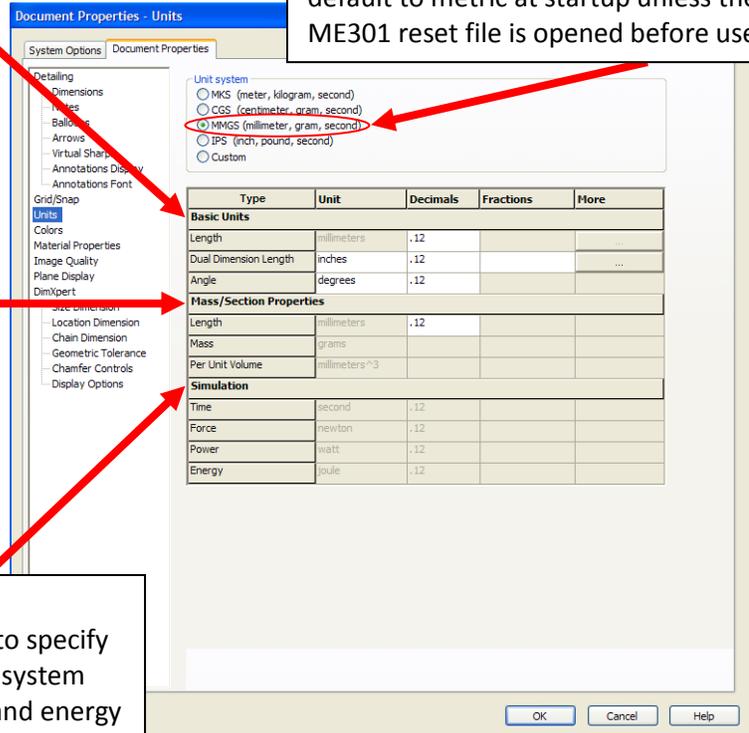
Mass/Selection Properties

Specify the length, mass, and per unit volume units. The mass properties use these values to calculate part properties such as center of mass and moment of inertia.

Simulation

This can only be used with Assemblies, to specify the decimal precision. In a custom unit system can specify units of time, force, power and energy for special applications where the default units would not work.

Units



Set the desired units, the two choices are SI and metric. SolidWorks will default to metric at startup unless the ME301 reset file is opened before use.