

Hole Color Editor Training

HoleColorEditor_Training.zip



Hole Color Editor - Overview

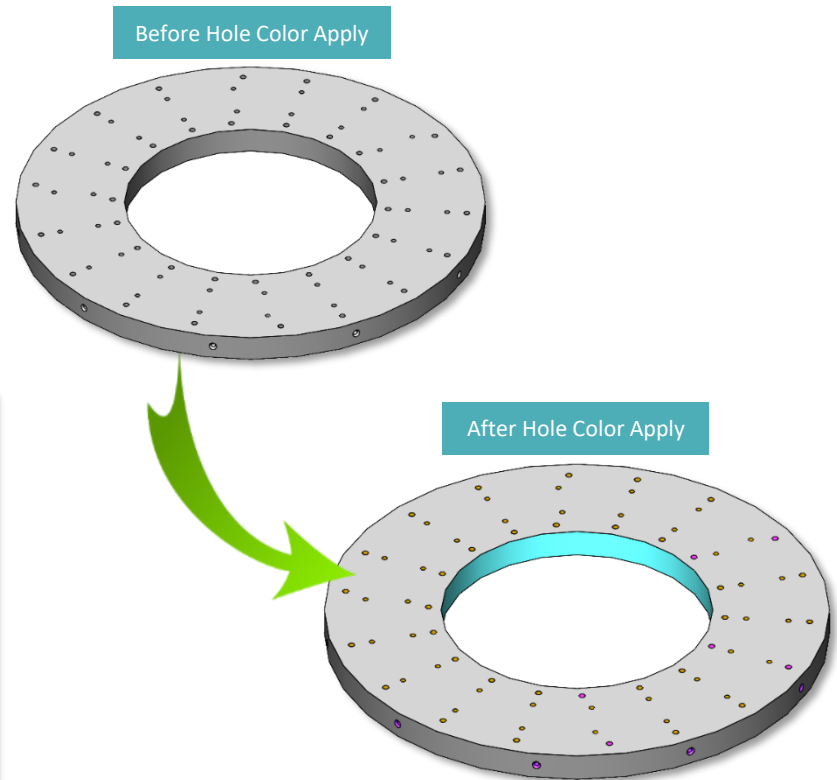
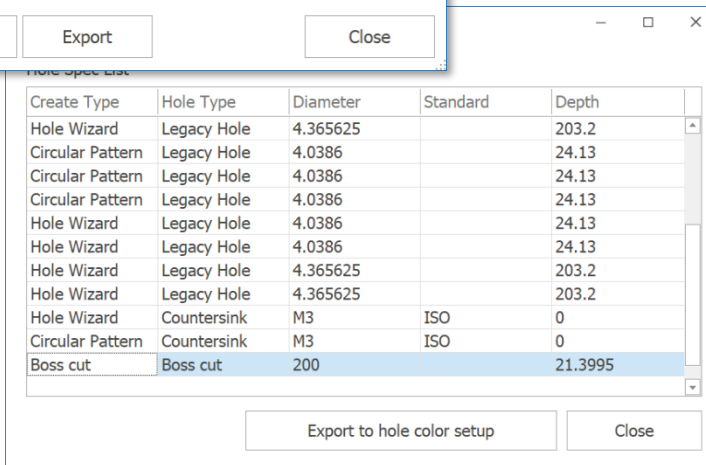
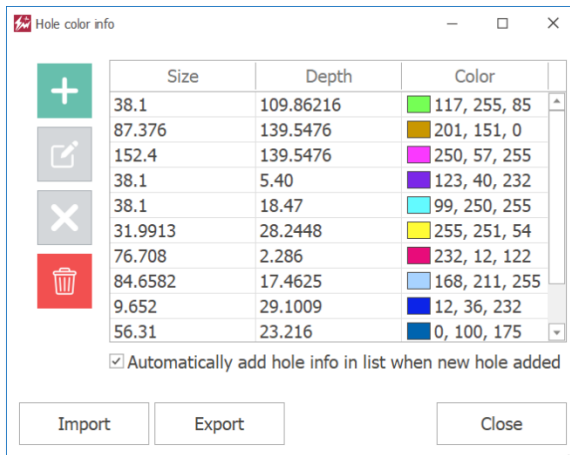
Main Functions

- Insert batch hole color with defined colors by hole size
- One click extracting hole spec by analyzing part model
- Automatic hole color insert when editing with hole features

Benefits

- Prevents design errors in advance by classifying the size by hole color
- Using in-house standard hole colors, it is possible to establish a regular design process

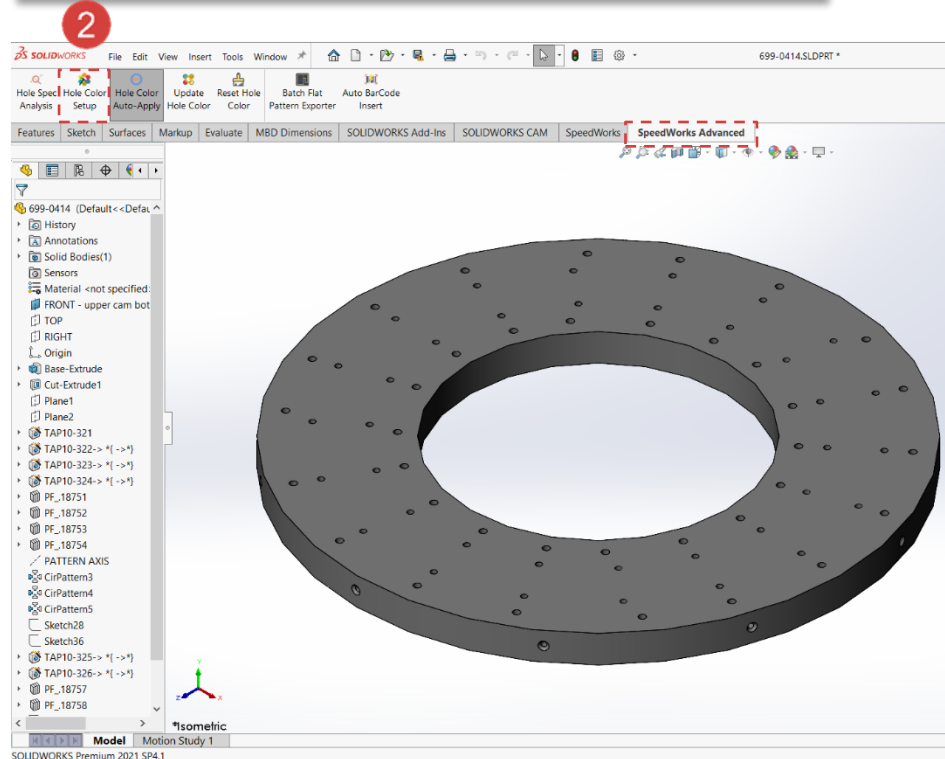
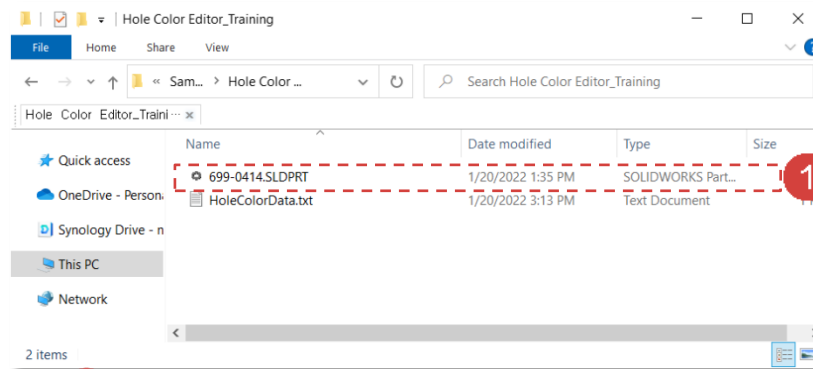
Course Objective: Follow the simple step-by-step instructions and learn how to use Hole Color Editor



Hole Color Editor - Execution

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

- 1 Execute 699-0414.SLDPRT file in sample file.
- 2 Click [SpeedWorks Advanced]tab - [Hole Color Setup] button.



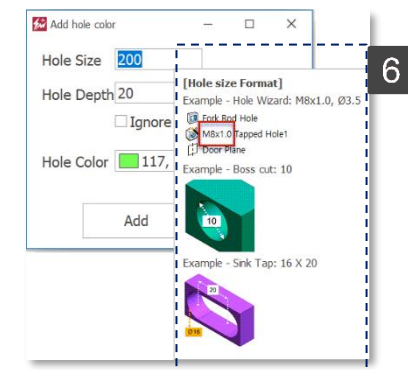
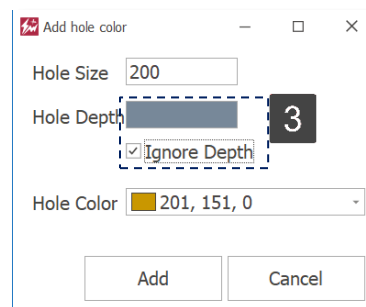
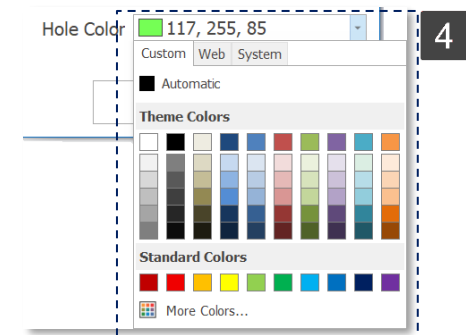
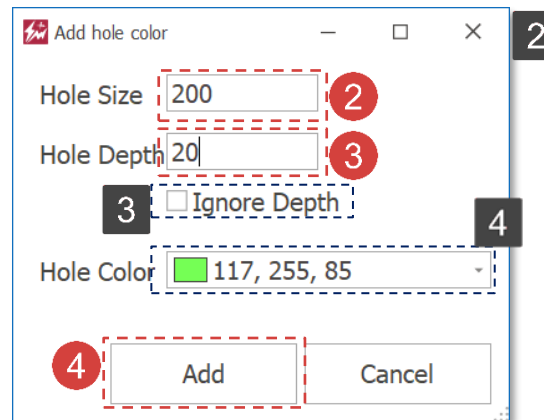
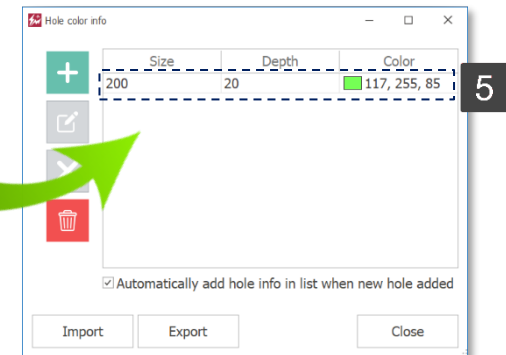
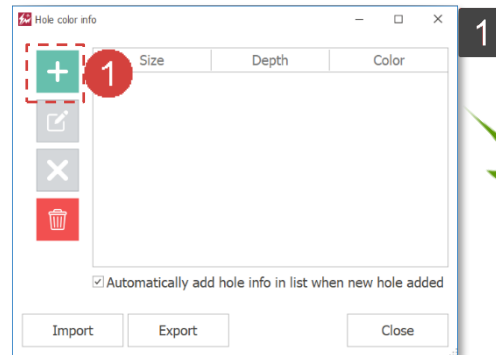
※ You can download example files at Support page in SpeedWorks Homepage(<https://speedworks.info>).

Hole Color Editor - Add Hole Color

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

- 1 Click **[Add]** button.
- 2 Insert "200" in **[Hole Size]**.
- 3 Insert "20" in **[Hole Depth]**.
- 4 Click **[Add]** button.

- 1 This is hole setup window.
- 2 This is add hole color window.
- 3 If **[Ignore Depth]** is clicked, the program only using **[Hole Size]** for setup hole color.
- 4 Users can specify hole color by selecting **[Hole Color]**. If not specified, a random color is given.
- 5 This is hole color added status.
- 6 If you place the mouse cursor on the hole size, you can check the information on how to input the hole size.

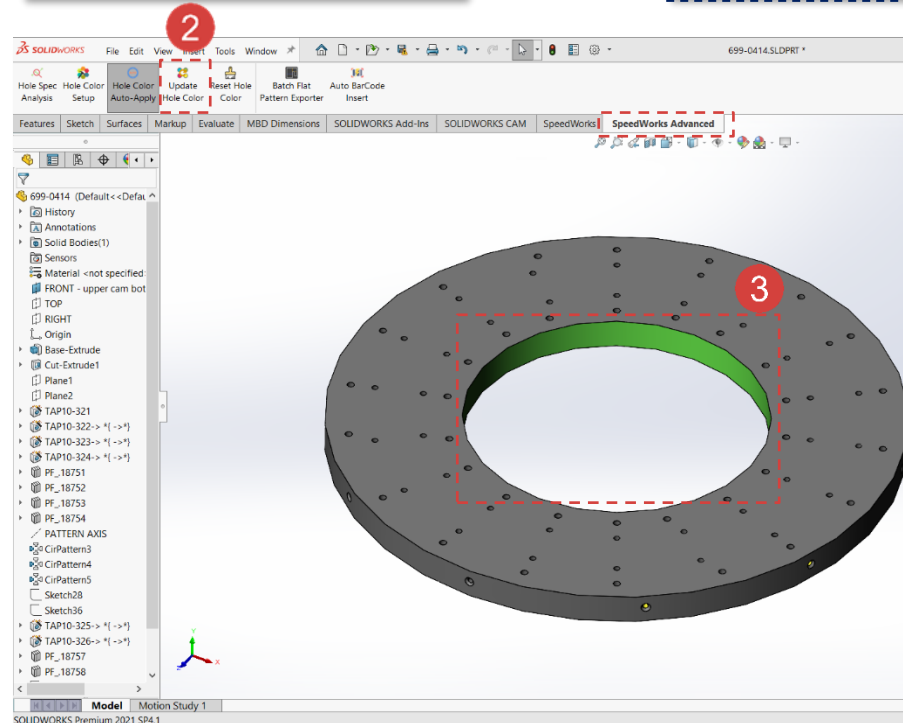
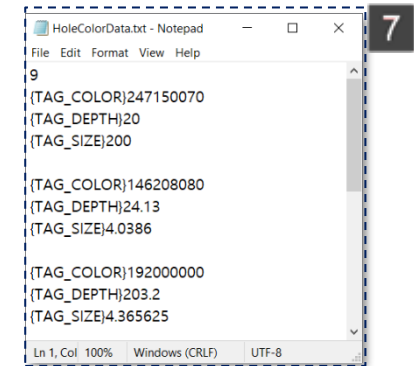
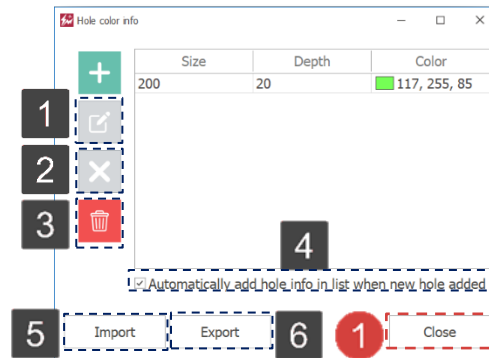


Hole Color Editor - Hole Color Update

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

- 1 Click **[Close]** button.
- 2 Click **[SpeedWorks Advanced]** tab - **[Update Hole Color]** button.
- 3 Hole Color has been applied into model.

- 1 **[Edit]** button is only available in already exist hole.
- 2 Users can delete hole color setting by **[Delete]** button.
- 3 Users can delete hole color setting at once by **[Delete All]** button.
- 4 If **[Automatically add hole info in list when new hole added]** checked, random color is given when new hole generated.
- 5 Users can use **[Import]** to import hole color information saved by export.
- 6 Users can export hole color information by **[Export]** function. It is useful to share hole color information set up.
- 7 It is exported **[Hole color setup]** file.



Hole Color Editor - Hole Spec Analysis

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Click **[SpeedWorks Advanced]tab - [Hole Spec Analysis]** to execute function.

2 Click **[Export to hole color setup]** button.

3 Click **[OK]** button.

4 Click **[SpeedWorks Advanced]tab - [Hole Color Setup]** to execute function.

5 After check added hole info, click **[Close]** button.

1 This is Hole Spec Analysis window.

2 **[Create Type]**: Displays feature type of hole by analyzing hole.

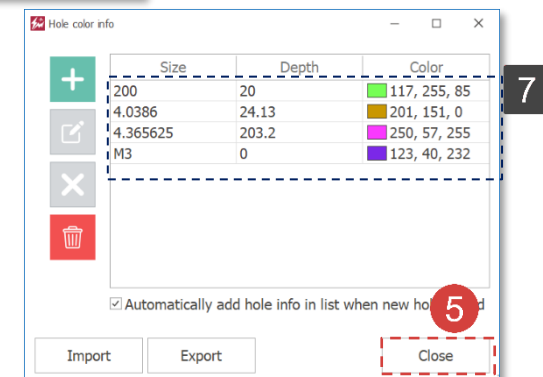
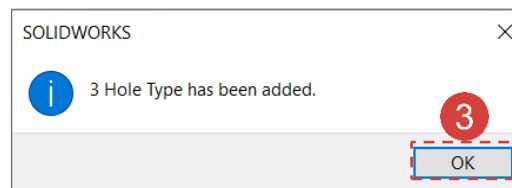
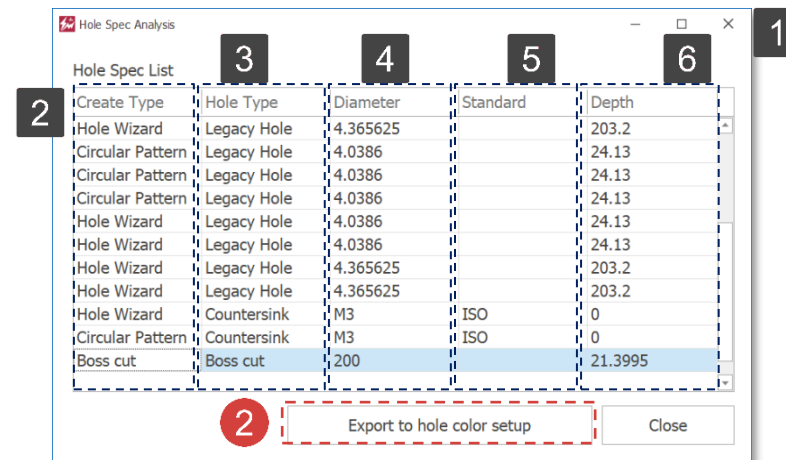
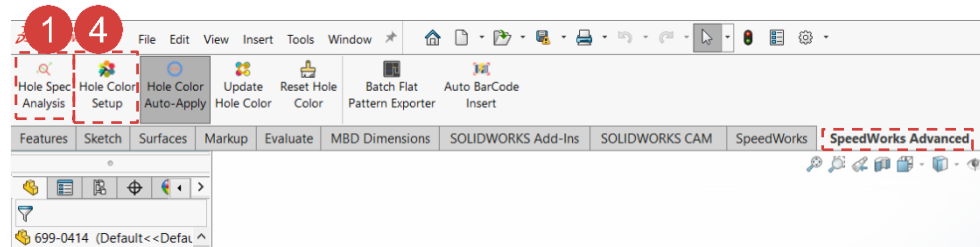
3 **[Hole Type]**: Displays hole type by created hole wizard.

4 **[Diameter]**: Holes created by extruded cuts are displayed in diameter size, and holes created by the Hole Wizard are displayed in size.

5 **[Standard]**: Displays standard specification information for holes created with the Hole Wizard.

6 **[Depth]**: Displays depth of hole.

7 Hole colors by added through **[Hole Spec Analysis]**.

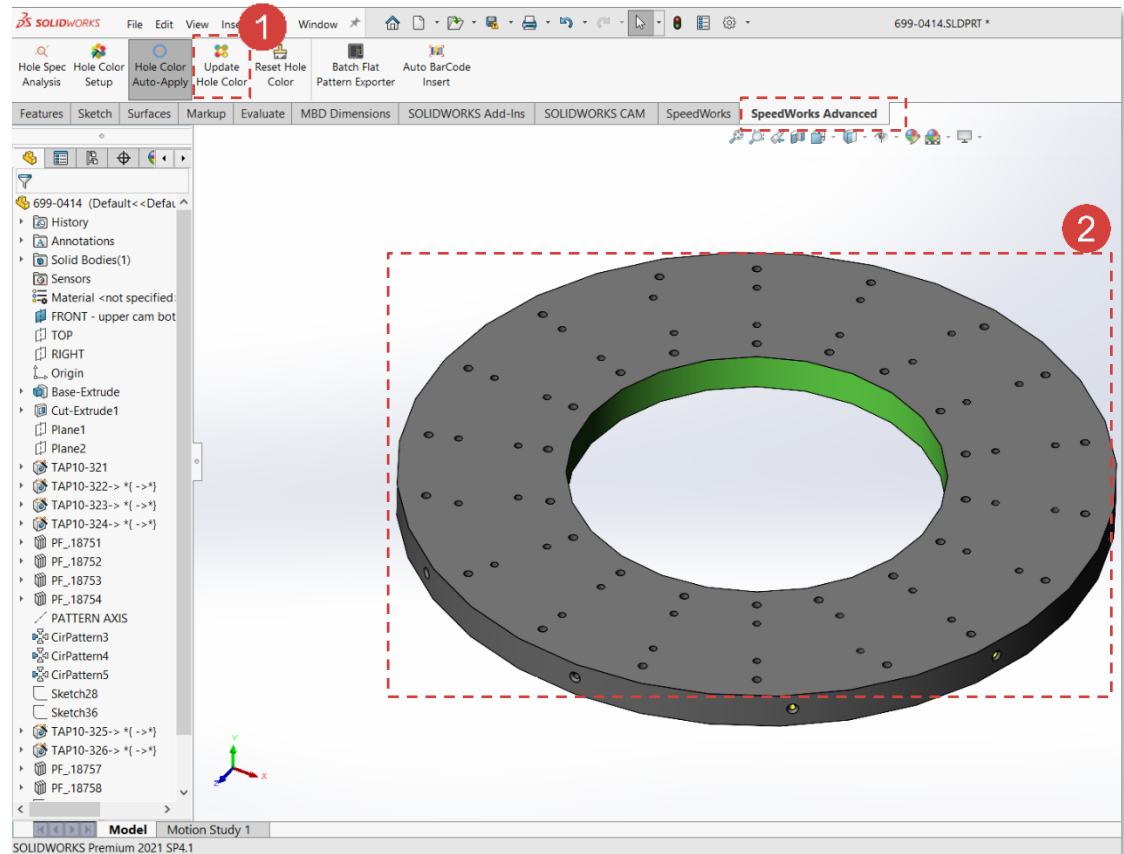


Hole Color Editor - Hole Color Update

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Click [SpeedWorks Advanced]tab - [Update Hole Color] button.

2 Added color has been applied into model.

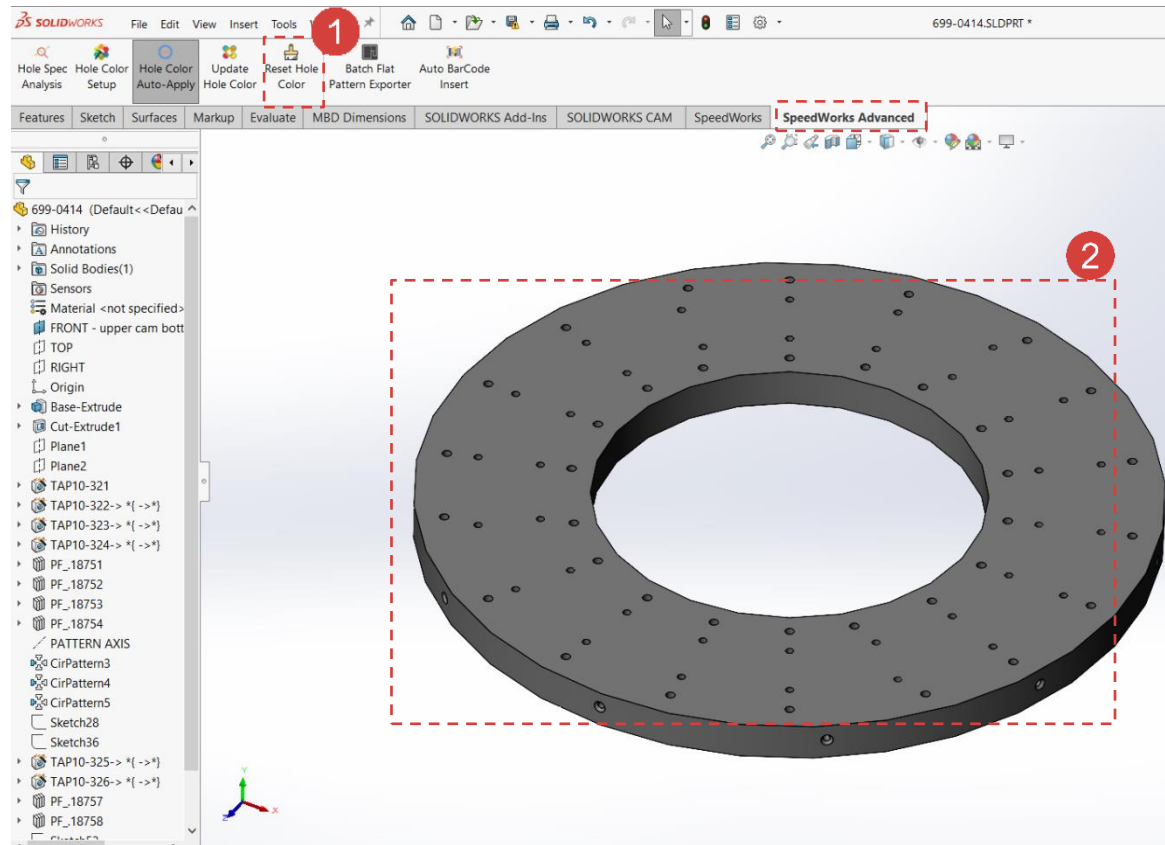


Hole Color Editor - Reset Color

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Click [SpeedWorks Advanced]tab - [Reset Hole Color] button.

2 All of hole color has been removed.



Hole Color Editor - Import Hole Color

- 1 Click **[SpeedWorks Advanced]** tab - **[Hole Color Setup]** button to execute function.
- 2 Click **[Import]** button.
- 3 Select **HoleColorData.txt** file in sample files.
- 4 Click **[Open]** button.
- 5 Select **[Import New Data]**.
- 6 Click **[OK]** button.
- 7 Click **[Close]** button.
- 8 Click **[SpeedWorks Advanced]** tab - **[Update Hole Color]** button to update hole color.

1 This is check Overwrite window.

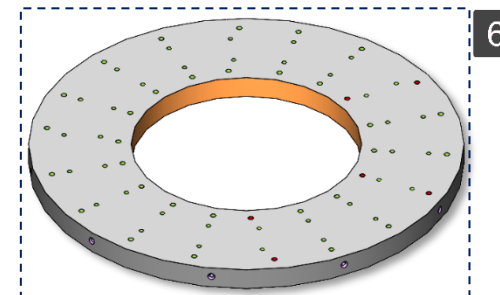
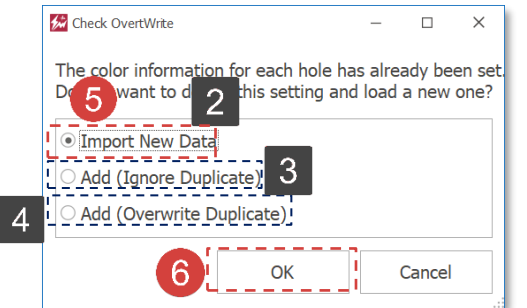
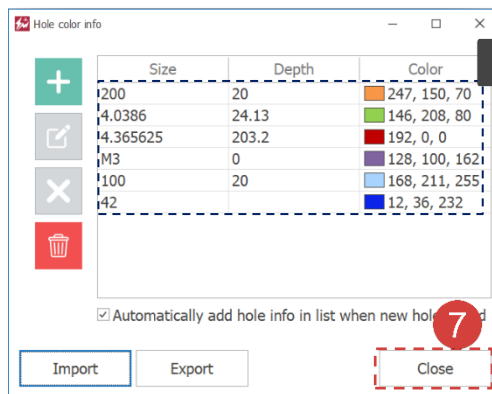
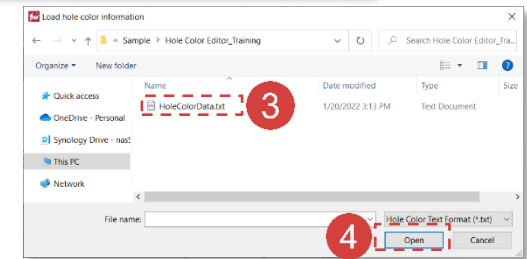
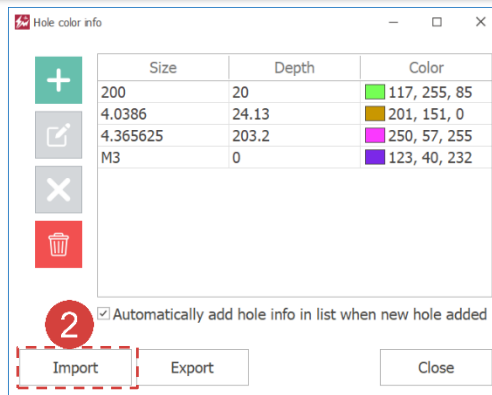
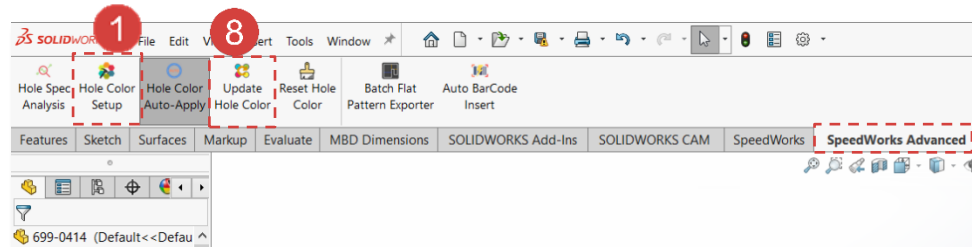
2 **[Import New Data]** function is delete currently existed hole color and import new hole color information.

3 **[Add(Ignore Duplicate)]** is only add not duplicate hole sizes.

4 **[Add(Overwrite Duplicate)]** is overwrite hole color when same hole size already exist.

5 It is imported hole color settings.

6 Hole information has been updated to imported data.



Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

Hole Color Editor - Auto Apply Color

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Click [SpeedWorks Advanced] tab - [Auto Apply Color] to activate Auto Apply Color.

2 Click [Feature] - [Hole Wizard] button.

3 Create [Type] hole such as below information.

Hole Type: Counterbore

Standard: ISO

Type: Hex Bolt Grade C ISO 4016

Hole Specification - Size: M5

End Condition: Through All

4 Select [Position] tab.

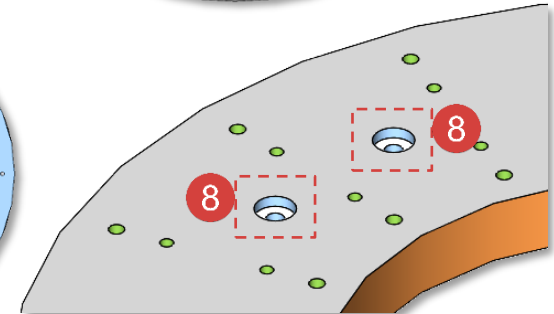
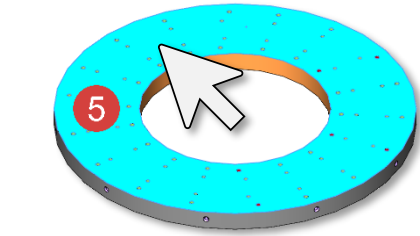
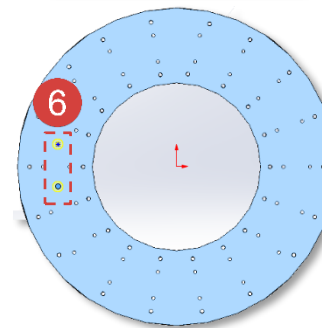
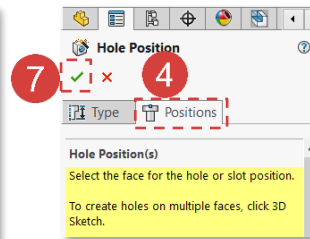
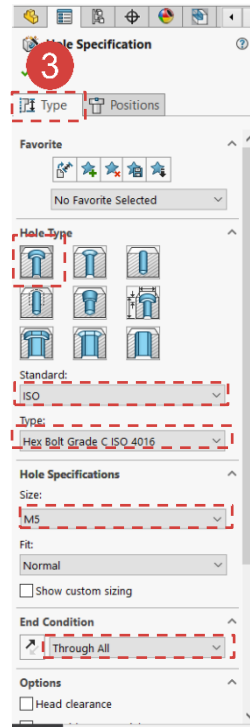
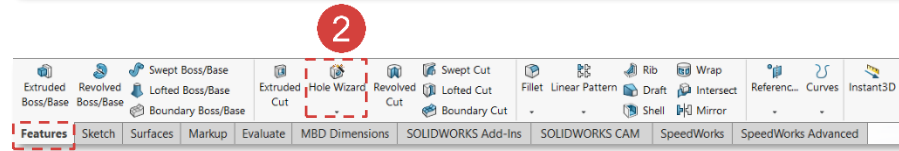
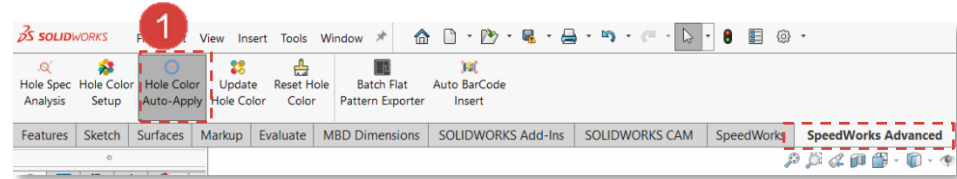
5 Select upper plane of model.

6 Click 2 random places on plane.

7 Click [Check] button.

8 Color is applied with hole creation.

1 Hole color information is automatically added to the hole color setup.



	Size	Depth	Color
+	200	20	247, 150, 70
	4.0386	24.13	146, 208, 80
	4.365625	203.2	192, 0, 0
	M3	0	128, 100, 162
	100	20	168, 211, 255
	42		12, 36, 232
	M5	Penetration	168, 211, 255

1