Entering Stone ID and Measured Weight

Stone ID and Scale Weight may or may not be requested in a popup window prior to scanning, depending on the settings made in the **Stone properties** dialog. The popup window appears after clicking **Shadow scan**.

For an existing model, Stone ID and Scale Weight are stored in a file together with the model and read upon opening. After being changed, Stone ID and Scale Weight are saved together with the model.

Entering Stone ID

Depending on the settings, the Stone ID may be requested with prompting, or requested without prompting (that is, in a free form), or not requested at all.

The auto-assigned stone ID has predefined format D-%05i-%03i (capital letter D, hyphen, five-digit number, hyphen, three-digit number). The first number is the stone number, the second is the number of scan performed on the same stone. Before running a scan, one of these numbers is auto-incremented. If **Stone ID auto increment** is on, the increment is applied to the stone number. Otherwise it is applied to the scan number.

Request stone properties before scanning	Off	
Automatically generate default Stone ID for new scans	Disabled	
Stone ID auto increment	Disabled	
Settings		
Popup window	None	

Clicking the **Next** ⏭ button in the **Stone ID** field increases the stone number by 1 and changes the scan number to 001.

Pressing **Enter** either starts scanning or switches focus to the **Scale Weight** field, in case if the latter is enabled.

> ⚠ If the option **Intercept new line in Stone ID** is checked, then pressing **Enter** while focused on the **Stone ID** field has no effect. In this case, use **Ctrl** + **Enter** instead.

The **Stone ID** field on the left panel is read-only and displays the Stone ID of the current model. If there is no current model or it has no Stone ID, the field is displayed empty.

Entering Scale Weight

Depending on the settings, the Stone ID may or may not be requested before scanning.

Scale Weight is required	Off	
Settings	⚙ Settings Stone Properties ☑ Request stone properties before scanning ☐ Automatically generate default Stone ID for new scans ☐ Stone ID auto increment The second numerical term of Stone ID will be automatically incremente Stone ID Counter: 12314 ☑ Intercept new line in Stone ID The Enter key will be disabled. Use Ctrl+Enter shortcut instead. ☐ Scale Weight is required	⚙ Settings Stone Properties ☑ Request stone properties b ☐ Automatically generate ☐ Stone ID auto incr The second numer Stone ID Counter: 12 ☑ Intercept new line in St The Enter key will be d ☑ Scale Weight is require
Popup window	💎 Input Stone Properties ✕ **Please enter Stone ID before scanning** Stone ID: [_____] ▶▶ Use Ctrl+Tab shortcut to increment Stone ID. Scale weight: [_____] [OK] [Cancel]	💎 Input Stone Properties **Please enter Stone ID and S** Stone ID: [|_____ Use Ctrl+Tab shortcu Scale weight: [_____

The experimentally determined stone weight is entered in the **Scale weight** field. The scale weight could be extracted from a free-form string of the following kind:

- 1.03
- 1,
- 3,00000
- Weight: 1.03 ct
- Weight: 1
- Weight: 1ct
- 1ct
- 1.2ct
- 1.47 ct
- 2.83 carats
- 999.32456 ct

Dot as well as comma could be used as the delimiter at user input or insertion in the **Scale weight** field. The Scale weight value is extracted, the comma is replaced by the dot, and the units postfix "ct" is appended to the final value.

After the **Scale weight** value have been set:

- When the **Tab** key is pressed, or the **Scale weight** field loses focus, the entered value is checked. If the value is valid, the focus is transferred to the **OK** button.
- When the **Enter** key is pressed, the entered value is checked. If the value is valid, the scanning begins.
- If the **Scale weight** value is invalid, the focus remains in the **Scale weight** field, and its contents is cleared.