



JLG® BIM Content Library

User Guide – Scissor Lifts

JLG - BIM CONTENT LIBRARY USER REFERENCE GUIDE

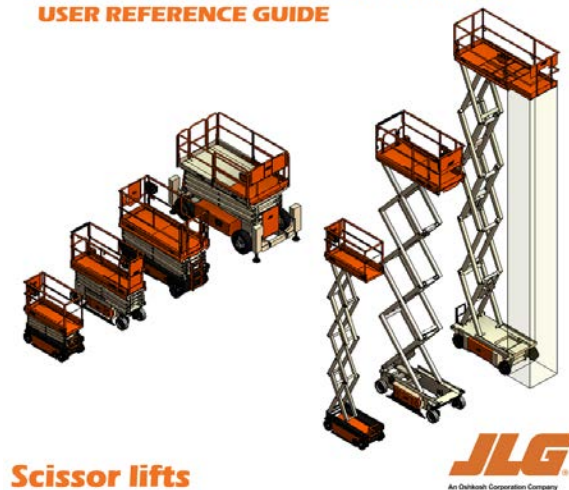


Figure 1: The JLG Scissor Family

LOADING THE MODELS

How to Load the Scissor Lift Family

It is recommended the steps outlined below are followed to properly load the BIM component into a project.

1. Open a Revit Project File (.RVT) and navigate to the Plan View
2. Go to the 'Insert' tab on the Revit ribbon and select 'Load Family'

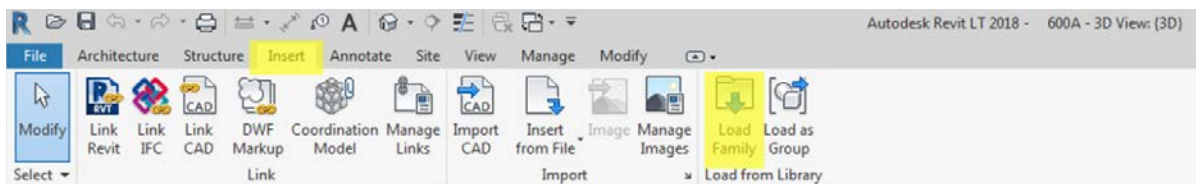


Figure 2: Loading the Family into a Project

3. Navigate to the location of the downloaded JLG® Vertical Lift family component (RFA file)
4. Click 'OK' to load the component into the project

The family is now copied and embedded into the project. It can be selected from the components button located on the 'Architecture' tab on the main Revit Ribbon.



ACCESSING PRODUCT INFORMATION

How to Access the Data for the Scissor Lift Family

To access the data embedded into the component, simply select the desired component and click the 'Edit Type' button at the head of the 'Properties' bar. This is typically located on the left-hand side of the screen.

All the product-specific information for the component selected is now displayed. From here, the component can be selected, as well as links to JLG.com to access documentation and product specifications.

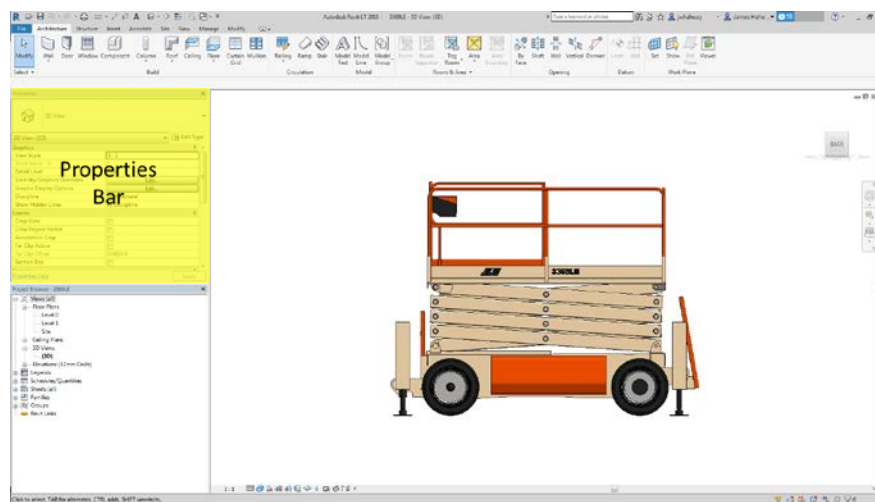


Figure 3: Accessing Additional Data

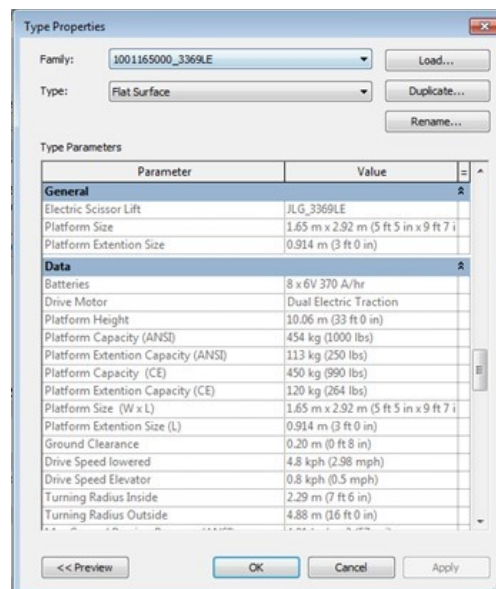


Figure 4: Additional Data for Model



USING THE MODELS

How to Use the Scissor Lifts Component

All JLG® components have been created as mechanical models, once loaded the model can be placed anywhere within the project. When the component is in the desired location, the user should navigate to an appropriate elevation (plan view is advised). The align tool can then be used to lock the component to a specific location.

NOTE: While placing the component, it can be rotated by 90° by using the space key.

USING ADDITIONAL MODEL FEATURES

JLG® Scissor Lift components have been created parametrically. This allows the Height of the Platform and Slope Angle to be changed. Tick-box options are also available for visibility control of the platform working area.

Visibility Control

The visibility of the working area can be toggled on or off. To access a component's visibility control, select the desired component and go to the 'Properties' bar. Then, simply uncheck the tick-box to control visibility.

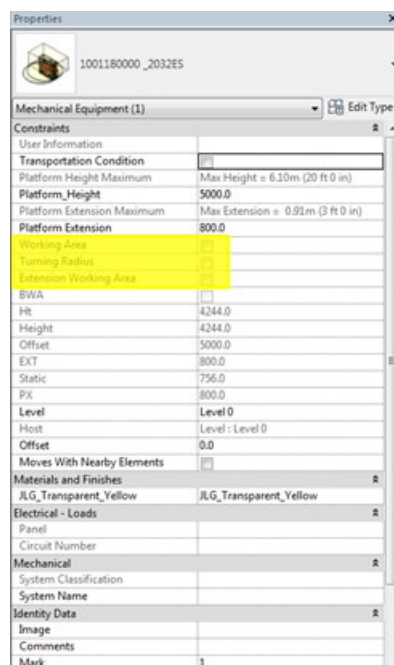


Figure 5: Visibility Control Tick-Box



Platform Height and Extension

Off-Road and On-Road machines have been modelled to incorporate all their adjustable features, accordingly the two machine types require different user interaction. Users should follow the appropriate instructions below based on the type of machine being used.

Off-Road Machines

The Platform Height and Platform Extension can be modified by clicking the 'Edit Type' button at the top of the 'Properties' bar. This will open the 'Type Properties' dialogue box, within this the user can alter the Platform Height and Extension by typing in the corresponding value fields.

On-Road Machines

The Platform Height and Platform Extension/Material Tray Offset can be modified by typing in the corresponding fields located in the 'Properties' bar.

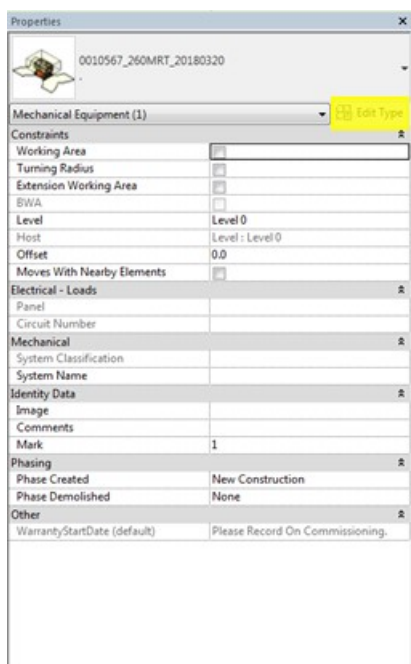


Figure 6: Illustrating the Location of Edit Type Button

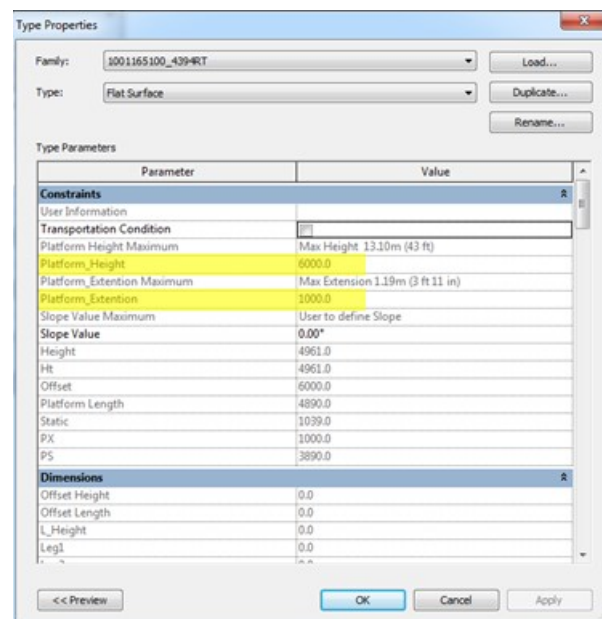


Figure 7: Location of Platform Height and Extension



Properties	
1001180000_2032E5	
Mechanical Equipment (1)	
Edit Type	
Constraints	
User Information	
Transportation Condition	
Platform Height Maximum	Max Height = 6.10m (20 ft 0 in)
Platform Height	5000.0
Platform Extension Maximum	Max Extension = 0.91m (3 ft 0 in)
Platform Extension	800.0
Working Area	
Turning Radius	
Extension Working Area	
BWA	
Ht	4244.0
Height	4244.0
Offset	5000.0
EXT	800.0
Static	756.0
PX	800.0
Level	Level 0
Host	Level : Level 0
Offset	0.0
Moves With Nearby Elements	
Materials and Finishes	
JLG_Transparent_Yellow	JLG_Transparent_Yellow
Electrical - Loads	
Panel	
Circuit Number	
Mechanical	
System Classification	
System Name	
Identity Data	
Image	
Comments	
Mark	1

Figure 8: Location of Platform Height and Extension

The Maximum Platform Height will be displayed in the value field above the editable field. This figure cannot be altered and is for the user's information only, it will only appear once the user has typed their desired height/extension into the editable value field.

Stabiliser Leg – Slope Direction

To modify the slope direction, the user must select the component and click the 'Edit Type' button at the top of the 'Properties' bar, this will open the 'Type Properties' dialogue box. From the 'Type' drop down box the user can select the direction of the slope. Then in the 'Slope Value' field the angle of the slope can be specified. The stabiliser legs will move to the correct height, and the machine will be angled in the correct direction

NOTE: Stabiliser legs are only an option on Off-Road machines.

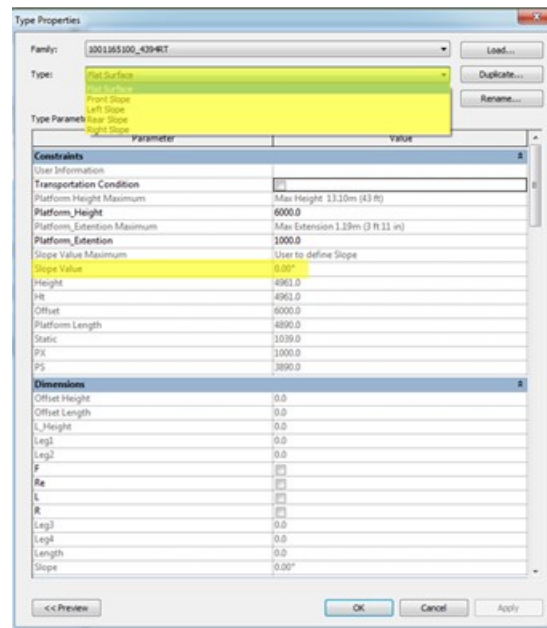


Figure 9: Location of Slope Direction

Transportation Condition

Off-Road and On-Road machines have been modelled to incorporate all their adjustable features, accordingly the two machine types require different user interaction. Users should follow the appropriate instructions below based on the type of machine being used.

Off-Road Machines

A 'Transport Condition' can be selected by clicking the 'Edit Type' button at the top of the 'Properties' bar. This will open the 'Type Properties' dialogue box, within this the user can check a tick box labelled 'Transportation Condition'. This will change the Platform Height and Platform Extension to zero, locking them in this position. This option reduces the machine to its smallest size making it ready for transport. Selecting the Transportation Condition will also full retracted the Stabiliser Legs, this will in turn set the Slope Angle to 0 degrees.

On-Road Machines

A 'Transport Position' can be selected by checking the tick box labelled 'Transportation Condition' at the top of the 'Properties' bar. This will change the Platform Height and Platform Extension to zero, locking them in this position. This option reduces the machine to its smallest size making it ready for transport. Selecting the Transportation Condition will also full retracted the Stabiliser Legs, this will in turn set the Slope Angle to 0 degrees.

Note: If the user tries to alter the Platform Height, Platform Extension or Slope Angle whilst the 'Transportation Condition' tick box is checked the message 'Turn off transport condition to enable Height and Slope' will appear in the User Information value field.