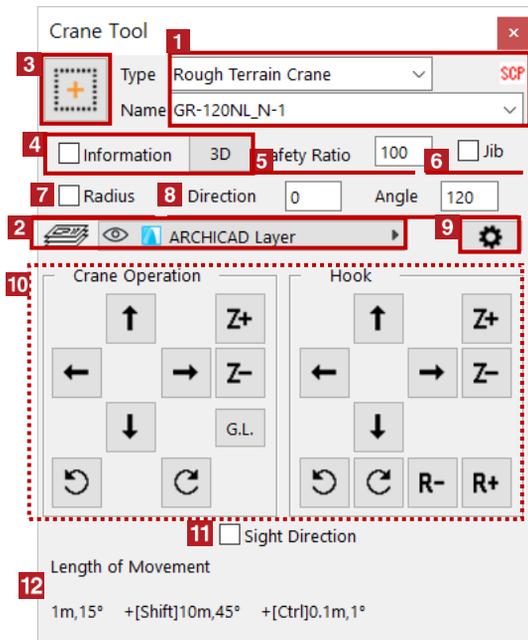# 01 Crane

How to call tools	From the SCP launcher ➔ Click the "Crane" Icon

select the Crane Icon

How to use	After setting the Crane Tool dialog, click any position on the screen to place the crane

Crane Tool

- Type: Rough Terrain Crane
- Name: GR-120NL_N-1
- Information / 3D / Safety Ratio: 100 / Jib
- Radius / Direction: 0 / Angle: 120
- ARCHICAD Layer

Crane Operation
- ↑ Z+
- ← → Z−
- ↓ G.L.
- ↺ ↻

Hook
- ↑ Z+
- ← → Z−
- ↓
- ↺ ↻ R− R+

Sight Direction

Length of Movement
1m,15°   +[Shift]10m,45°   +[Ctrl]0.1m,1°
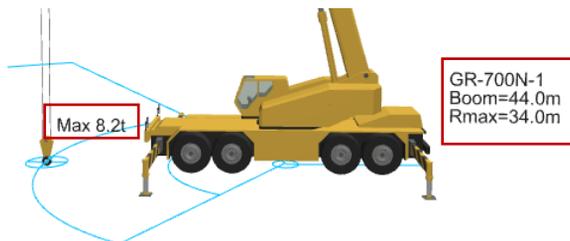
1 Choose Crane Type & Name

2 Choose the layer for this Crane

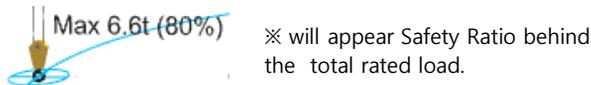**3** Use Place Icon ⊞ to position a Crane

< Other Dialog Setting >

4 Show / hide the crane information
3D The screen rotates according to the current viewpoint on 3D.

5 Setting the Safety Ratio
- It will change the total rated load to be displayed

6 Show Jib Installation(depending on Crane type)

7 Show / hide crane working radius

8 Change working radius direction with an angle

9 Show & hide the Crane operation / Hook Dialog

10 Move and rotate the Crane and Hook by clicking the arrow

11 ☑ It can be moved or rotated relative to the Sight Direction on the 3D

12 Shows the amount of movement

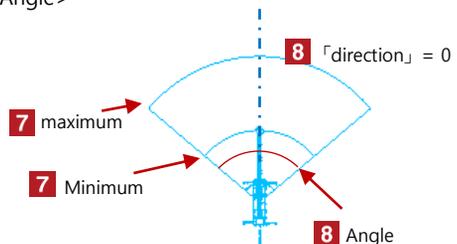**4** Ex) Show / hide the crane information

GR-700N-1
Boom=44.0m
Rmax=34.0m

Max 8.2t

5 <Example of a safety Ratio>

Max 6.6t (80%)

※ will appear Safety Ratio behind the total rated load.

< **7** Show or hide the crane working radius with **8** Direction and Angle>

8 「direction」 = 0

7 maximum
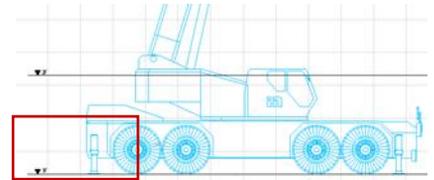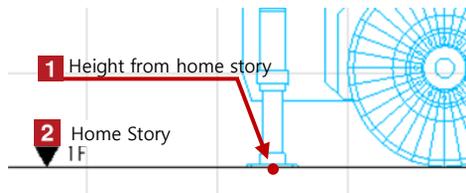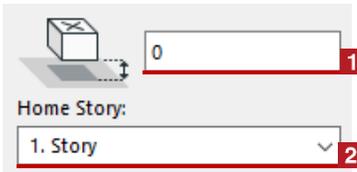
7 Minimum

8 Angle

Installation reference — The installation reference height of the crane is the bottom of the outrigger

1 0

Home Story:
1. Story **2**
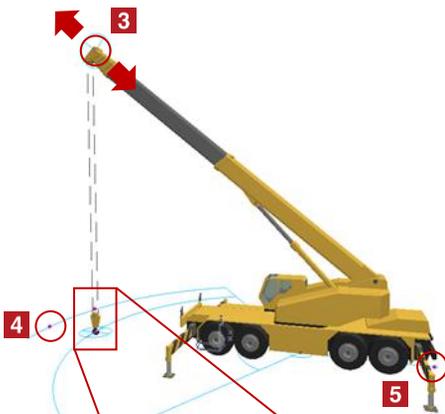
1 Height from home story

2 Home Story
1F

Change crane posture — By clicking Hotspot, change such as hook position / height and boom length
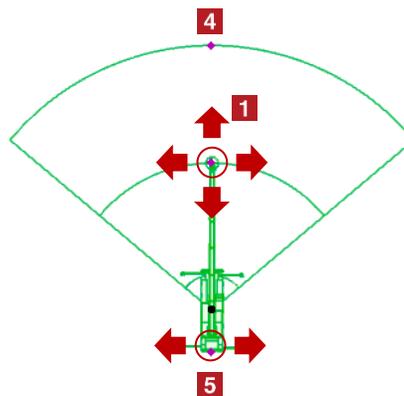
Click the red Hotspot ➔ The position of the crane can be changed by moving the vertex of the pet palette
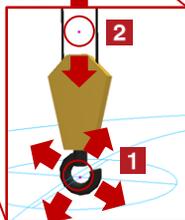Click the black Hotspot ➔ You can move the crane with [Move] on the pet palette

▶ 3D

3

4

5

Zoom in

2

1

▶ 2D

4

1

5

1 Change of hook position (position of suspended load)

2 Change Hook height

3 Changing the length of the boom

4 Change center line of working radius
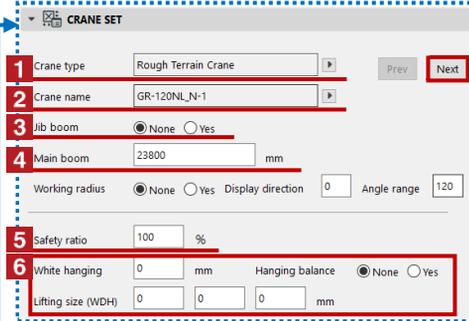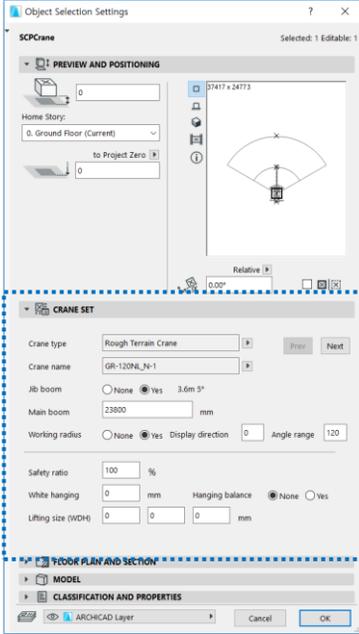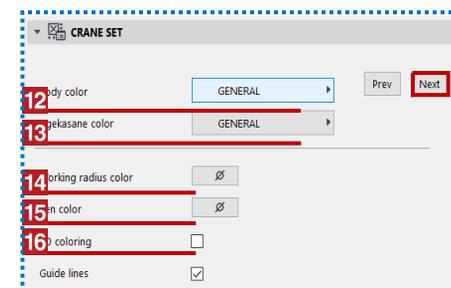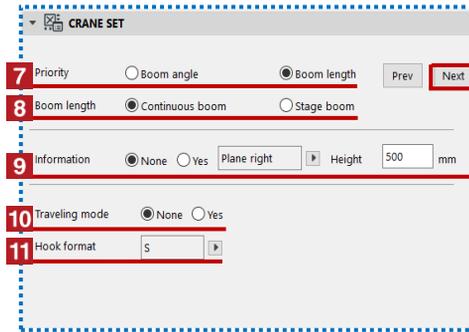
5 Rotation of car body

Object settings   Select the crane and change various settings with "Object setting (Ctrl + T)"

【 Other Settings for Rough Terrain Crane and All-terrain crane 】

1 Select crane type

2 Select crane name

3 On / Off of jib boom (depending on model)

4 Set main boom length

5 Set safety factor rate

6 Show lifting objects
When the size of the lift is set, the lifting object is displayed.

lifting object

Next Click to next pages
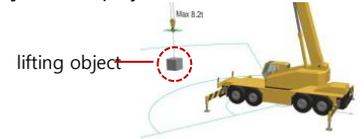
7 Set priority

Boom angle: Fix the angle and change the boom length when moving the hook

Boom length: Fix the boom length and change the angle when moving the hook

8 Set boom length

Continuous boom: Regardless of the stage of the boom

Step boom: Adjust for each boom stage
※ Can not choose step boom in the case of a boom angle

9 Change the information of display direction

10 Folding Boom·Outrigger
[Yes] Checked, Boom and outrigger are folded and changed into the state at the time running

11 Select hook type

12 Edit body Color

13 Edit lift weight color

14 Color setting of crane on 2D screen

**15** Working radius display color setting

16 Color car body on 2D screen

【 Various settings of crawler crane / tower crane 】
Only the 2nd page of the crawler crane / tower crane will change the setting item

▶ Crawler crane
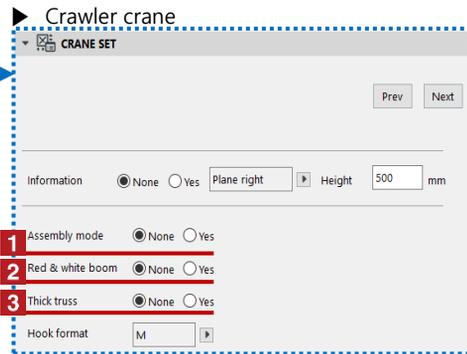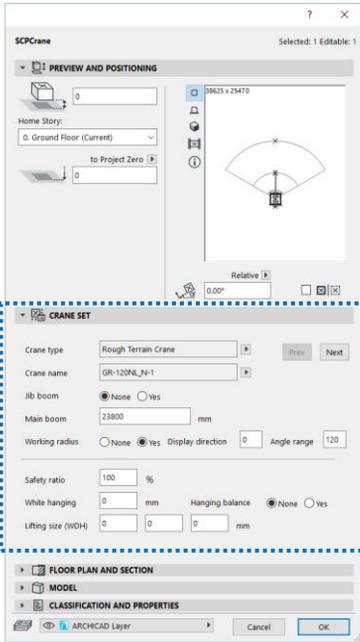
1. Change boom ground state (assembly mode)

2. Change color to red and white boom

3. Change display to thick truss (If you want to highlight the truss)

▶ Crawler crane(Tower)
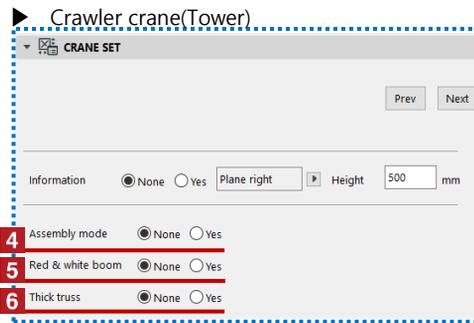
4. Change boom ground state (assembly mode)

5. Change color to red and white boom

6. Change display to thick truss (If you want to highlight the truss)

▶ Tower crane
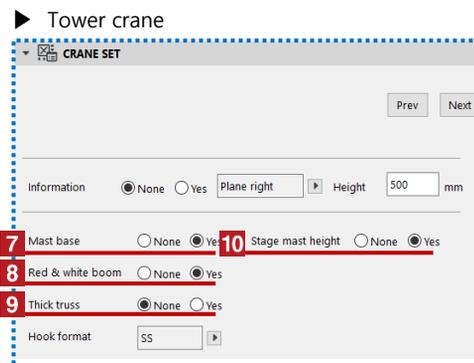
7. Setting of Mast base

8. Display switching to red and white boom

9. Display switching to thick truss (When you want to make the truss stand out)

10. Switching of the stage mast