

# Technical documentation

## Timber Lift&Slide elements

### The first steps

- The technical documentation for timber Lift&Slide elements can be downloaded in the area SERVICE -> DOWNLOADS (Product category: Window technology; Type: Installation, operating and maintenance instructions) on the GU Homepage. Alternatively, you can find the download link in the area FASCINATION LIFT&SLIDE.

#### [DOWNLOAD](#)


- Once you have downloaded the ZIP file you will need to extract it. The data in this folder must not be modified, moved or deleted.
- Next, open the Excel file in the folder with the designation "048881.xls"
- Please make sure that the macros are not deactivated. Please activate the macros if they are deactivated. You can find a guide on how to activate the macros here [here](#).
- Please enter your data for the construction project or Lift&Slide element (fields marked yellow) and select the required special applications.
- Please confirm your input by clicking the checkmark.
- If you enter a system that deviates from the GU standard, you will receive a warning message to that effect. In this case, please select another system or consult your contact person at GU. (If you wish to enter a different system, please check all fields marked yellow)
- If a warning message does not appear, the Excel file processes your information. This can take a few seconds, depending on the processing power of the computer.
- Once your information has been processed, an overview of the documents you need for your construction projects is displayed in the bottom part of the form.
- The relevant document opens when you click on the corresponding link.

# Technical documentation

## Timber Lift&Slide elements

### Detailed overview of the documents

#### a. THE HARDWARE COMBINATION

- The hardware combination lists all the necessary and optional components for your Lift&Slide element. It is NOT an order form and does not replace the Configurator.
- The hardware combination is subdivided into DIFFERENT colour-coded sections: GUIDES, HARDWARE, THRESHOLD, SPECIAL APPLICATIONS and MOUNTING TOOLS.
- The corresponding packaging units (K-numbers) and their contents (6-numbers and 9-numbers) are displayed. Some components can be bought individually and are therefore not assigned to any packaging unit.
- The designation and article number are followed by the required quantity, depending on the pattern.
- Additional information on the relevant article is provided in the Remarks column
- The last column of the hardware combination contains the relevant item number, which serves as a unique reference to the drawings or installation instructions.
- The hardware combination can be saved as an Excel file () or PDF via the buttons in the upper part of the form.

#### b. THE CALCULATION FORM

- You can obtain the calculation formulas and final results for the variable dimensions specified on the drawings via the calculation form. Fixed dimensions are specified directly on the drawings.
- All dimensions are theoretically precise values. The rounding of the values and possible processing tolerances are the responsibility of the fabricator.
- The calculation form is subdivided into the following colour-coded sections: ELEMENT DIMENSIONS, PROFILE LENGTHS, MILLING DIMENSIONS, DRILLING DIMENSIONS, GUIDES, HARDWARE, THRESHOLD and SPECIAL APPLICATIONS.
- Optional accessories which affect the calculation of length-dependent components can be selected or deselected directly in the calculation form.
- In addition to the dimensions, information on the required size, handle height and frame cam spacing is also provided with the "Rod 8" (BS3) and "Lift&Slide gear" (BS4).

- The calculation form can be saved as an Excel file (📄) or PDF via the buttons in the upper part of the form.

c. THE NEUTRAL INSTALLATION DRAWING

- Depending on the pattern, the design of a Lift&Slide element (in the Guides and Hardware sections) including the components required is shown graphically on the neutral installation drawing. This is referenced to the hardware combination or calculation form via the item numbers and variable dimensions.
- Sheet 1: Overview of all patterns and special applications
- Sheet 2: Overview of components (for the areas Guides and Hardware)
- Sheets 3 and 4: Neutral overview of all standard profile sections
- Sheets 5 to 16: Sectional views and details of the individual patterns
- Sheet 17: Sectional view of meeting-stile security profile
- Sheet 18: Mounting tools (for the areas Guides and Hardware)
- Sheet 19: Accessories (for the areas Guides and Hardware)

d. THE NEUTRAL THRESHOLD DRAWING

- The design of the threshold, including the components required, is shown graphically on the neutral threshold drawing. This is referenced to the hardware combination or calculation form via the item numbers and variable dimensions.
- Sheet 1: Overview of all threshold types
- Sheet 2 to 5: Isometric representations of the individual patterns
- Sheet 6 to 8: Threshold-to-frame connections
- Sheet 10: Mounting tools (for the area Threshold)
- Sheets 11 and 12: Accessories (for the area Threshold)

e. THE NEUTRAL SPECIAL APPLICATION DRAWING

- The neutral special application drawing contains graphic representations of the following special applications: L&S floor-flush, HS ePOWER, HS SilentClose/StopUnit, L&S anti-jemmy device, L&S night vent module, HS SpeedLimiter and HS Master.
- Sheet 1: Overview of all special applications
- Sheets 2 and 3: L&S floor-flush
- Sheets 4 to 7: HS ePOWER
- Sheets 8 to 12: HS SilentClose/StopUnit

- Sheets 13 and 14: L&S anti-jemmy device
  - Sheet 15: L&S night vent module
  - Sheet 16: HS SpeedLimiter
  - Sheet 17: HS Master
  - Sheet 18: Mounting tools in the area Special applications
  - Sheet 19: Accessories in the area Special applications
- f. THE PROFILE SECTIONS
- The profile sections show all sections of the timber profiles required for the Lift&Slide element at a scale of 1:1.
  - The values for the variable dimensions are specified here directly.
- g. THE INSTALLATION INSTRUCTIONS
- The fabrication and installation of a Lift&Slide element is explained step-by-step in the installation instructions.
  - Various installation instructions exist, depending on the pattern.
  - Symbols and pictograms are primarily used in the installation instructions to describe the individual installation steps simply and clearly.
- h. THE OPERATION AND MAINTENANCE INSTRUCTIONS
- The operation and maintenance instructions describe how to handle the finished Lift&Slide element correctly.