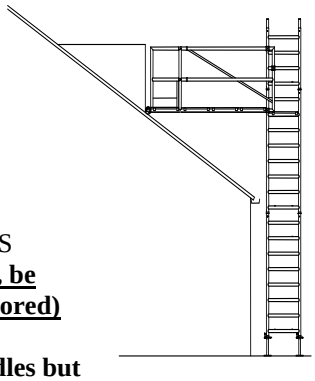
Manual: 9505.202.056



# ROOF WINDOW SCAFFOLDING

## USES

Both the narrow and wide rolling scaffolding (1.8 m, 2.5 m and 3.1 m) from the CUSTERS system can be used for roof window scaffolding. **The rolling scaffolding must, however, be placed either on foot spindles or on wheel spindles (but only if the scaffolding is anchored) or a combination of foot spindles and anchors. It is not permitted to fit roof window scaffolding to the rolling scaffolding if the rolling scaffolding is placed on wheel spindles but is not anchored.** The rolling scaffolding must, therefore, first be anchored before fitting roof window scaffolding. Likewise, the anchors must not be released before the roof window scaffold is removed.

Support rollers must be used with roof window scaffolding. It is not permitted to let the roof window scaffolding rest on the roof without the use of support rollers. It is not permitted to suspend roof window scaffolding from *end railings*. Roof window scaffolding must only be fitted to construction frames and at least 3 connection pieces must also be used for each roof window scaffolding construction - one at the top (between the roof window scaffolding and the scaffolding frame stand), one as low as possible (between the roof window scaffolding and the scaffolding frame stand) and one, if possible, between the roof window scaffolding and a rung on the scaffolding frame or between the roof window scaffolding and the scaffolding frame stand.
**Note**: when using roof window scaffolding frames, all the scaffolding frames must be locked using frame locking pins. Rolling scaffolding frames with conical coupling pins which have a *locking button* are not suitable for use with roof window scaffolding.

Photo 1: 

Photo 2: 

Photo 3: 

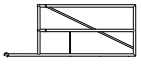
## MAXIMUM LOAD

The maximum load for the entire construction (excluding the scaffolding towers) is 150 kg for each roof window scaffold frame, minus the weight of the connecting platforms. The maximum load applies to an evenly distributed weight. The maximum locally concentrated load is 150 kg on a surface of 50 x 50 cm and may only be applied to one location.

## RAILINGS AND SIDE PANELS

The area between the scaffolding and the roof window used to access the roof must be completely filled with platforms and fenced off with a hip railing and a knee railing.
**If materials are placed on the platforms and/or if work takes place on the platforms (i.e. if the platforms are not only used as a passageway), then the platforms must also be enclosed by side panels.**

## COMPONENTS

| ***Description*** | ***Use*** | ***Article no.*** | |
|---|---|---|---|
| Roof window frame | On the outside of the entire construction. | 9501.905.010 |  (Photo 2) |
| Removable end railing (with integrated kickboard) | Closes off the roof window frame on the outside of the entire construction. | 9501.905.020 |  |
| Support roller | Used to rest the roof window frame on the roof. | 9501.905.030 | See photo 1 |

## ASSEMBLY

The entire construction must be absolutely level. In all situations, at least two adjustable stabilizers must be fitted to the street-side corners of the scaffolding tower(s). If the scaffolding tower is not anchored and is located further than 10 cm from a supporting wall, two adjustable stabilizers must also be fitted to the wall-side corners of the scaffolding tower (one stabilizer per corner). The scaffolding must always be anchored if it is higher than 8.0 m, even if the scaffolding is placed on foot spindles.

## ASSEMBLY ORDER

### For single scaffolding

1. Click the support rollers to the ends of the roof window scaffolding frames.
2. Use the rotatable connections to fit the roof window scaffolding frames to the construction frames in the scaffolding so that the span is as required. The roof window scaffolding frames will be perpendicular to the scaffolding.
3. Cover the area above the roof between the scaffolding and the roof window with platforms.
4. Slide the roof window railings into the roof window scaffolding frames at the left and right-hand sides of the work area. Lock the railings in position using the frame locking pins.
5. Place a side plank and a hip railing on the first platform (as viewed from the roof) at the side of the second platform.

### To span two separate scaffolding towers (double construction)

See points 1 to 4 opposite.

5. Remove the roof window railing from one side of both scaffolding towers.
6. Place one floor piece on the roof window scaffolding frames between the scaffolding towers on the window roof side.
7. Click two horizontals to the stands of the roof window scaffolding frame on the street side. These function as railings for the spanning section.
8. Place a side plank and a hip railing on top of the first platform (as viewed from the roof) at the same height as both scaffolding towers. Also place a side plank on top of the spanning platform between the two side planks. The entire length of the work floor on the street side will now be enclosed by a kickboard on the ends on the street side.

## CONSTRUCTION TABLES (excluding the scaffolding)

(assuming the maximum range of the construction)

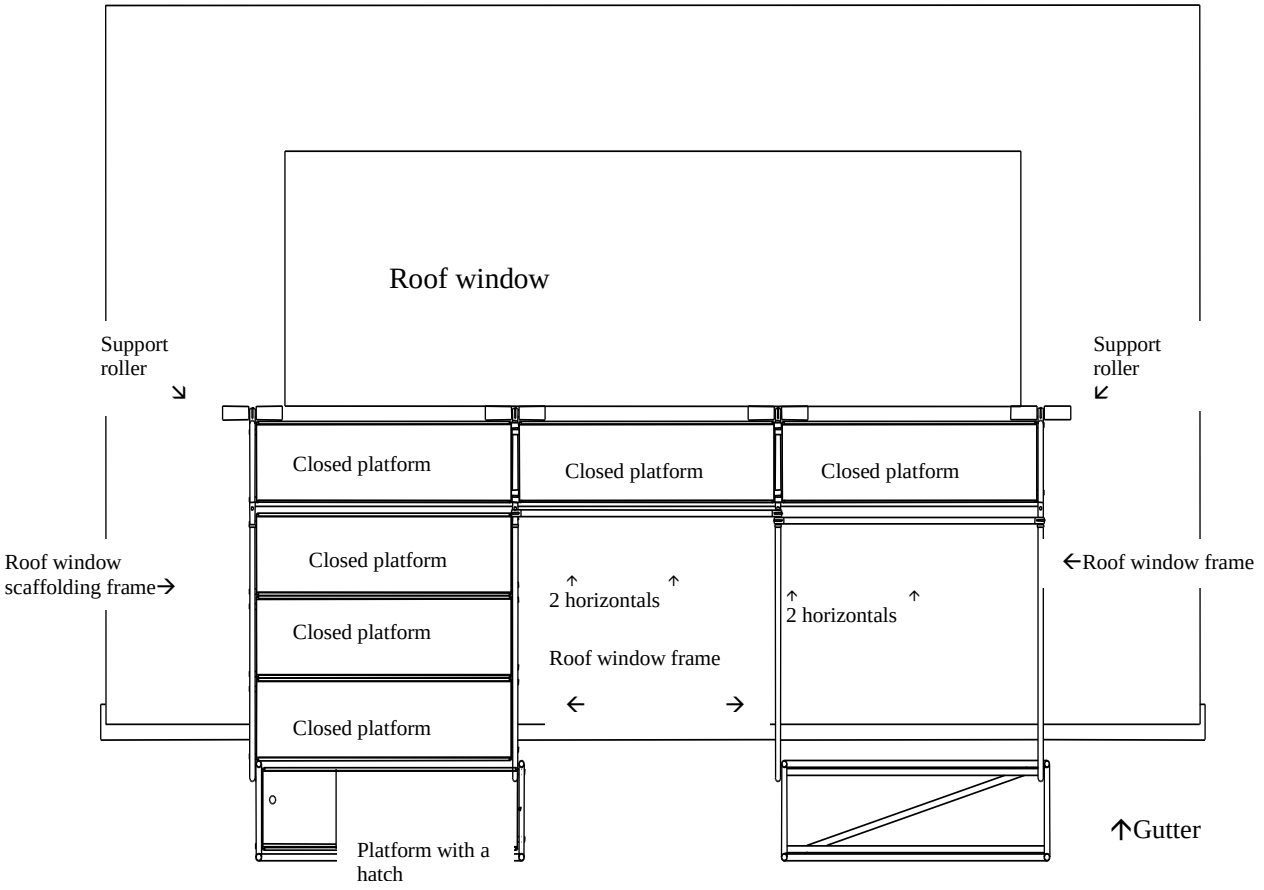
| | | **Section length: 1.8 m** | | | **Section length: 2.5 m** | | | **Section length: 3.1 m** | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **No. of sections** | | | **No. of sections** | | | **No. of sections** | | |
| **Description** | **Article no.:** | **1** | **2** | **3** | **1** | **2** | **3** | **1** | **2** | **3** |
| ***Front length*** | **9501.** | ***1.8 m*** | ***3.6 m*** | ***5.4* m** | ***2.5 m*** | ***5.0 m*** | ***7.5 m*** | ***3.1 m*** | ***6.2 m*** | ***9.3 m*** |
| Roof window frame | 905.010 | 2 | 3 | 4 | 2 | 3 | 4 | 2 | 3 | 4 |
| Support roller | 905.030 | 2 | 3 | 4 | 2 | 3 | 4 | 2 | 2 | 4 |
| End railing | 905.020 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Frame locking pin | 410.162 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Rotable connection | 800.935 | 6 | 9 | 12 | 6 | 9 | 12 | 6 | 9 | 12 |
| Side plank 1.8 m | 200.086 | 1 | 2 | 3 | - | - | - | - | - | - |
| Side plank 2.5 m | 200.080 | - | - | - | 1 | 2 | 3 | - | - | - |
| Side plank 3.1 m | 902.080 | - | - | - | - | - | - | 1 | 2 | 3 |
| Side plank holder | 800.087 | 2 | 3 | 4 | 2 | 3 | 4 | 2 | 3 | 4 |
| Platform (*1) | 310.010 | 4 | 5 | 6 | - | - | - | - | - | - |
| Platform (*2) | 310.020 | - | - | - | 4 | 5 | 6 | - | - | - |
| Platform (*3) | 310.030 | - | - | - | - | - | - | 4 | 5 | 6 |
| Foot spindle | 520.010 | 4 | 6 | 8 | 4 | 6 | 8 | 4 | 6 | 8 |

*1: Depends on the chosen shorter distance betweeen the scaffolding tower and the front of the roof window from a combination of platforms in versions 1.8 x 0.6 m (article no. 9501.310.010) and 1.8 x 0.3 m (article no. 9501.340.010) .

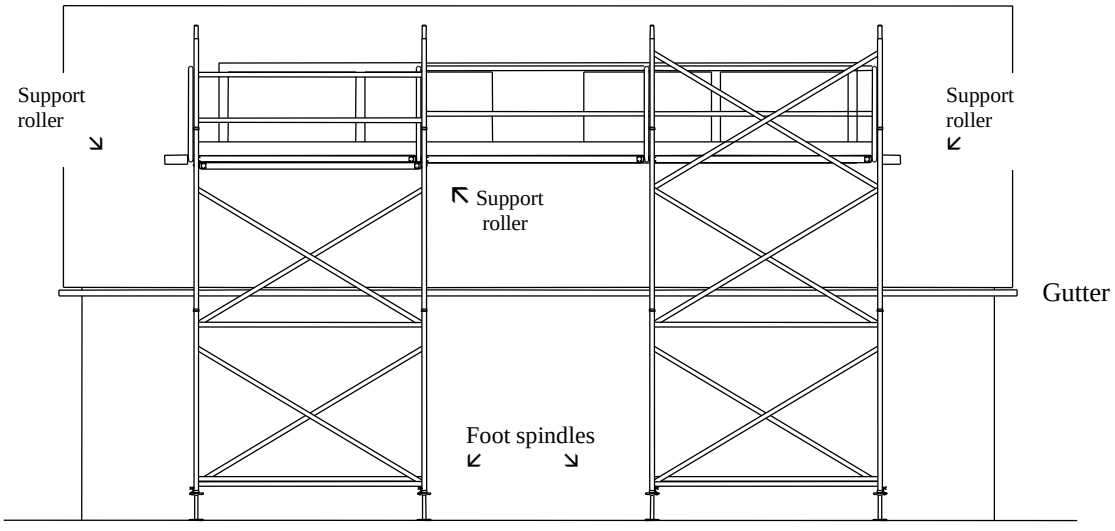
*2: Depends on the chosen shorter distance betweeen the scaffolding tower and the front of the roof window from a combination of platforms in versions 2.5 x 0.6 m (article no. 9501.310.020) and 2.5 x 0.3 m (article no. 9501.340.020).

*3: Depends on the chosen shorter distance betweeen the scaffolding tower and the front of the roof window from a combination of platforms in versions 3.1 x 0.6 m (article no. 9501.310.030) and 3.1 x 0.3 m (article no. 9501.340.030).

## PLAN VIEW (double construction)




## FRONT VIEW (double construction)




## REGULATIONS

Besides these instructions, the instructions for the construction and use of rolling scaffolding which are in accordance with NEN-EN 1298 must also be taken into consideration when using CUSTERS rolling scaffolding. The regulations of the Occupational Health and Safety Act and NEN 2718 are applicable to the use of the material.

If foot spindles are used instead of castors at the bottom of the scaffolding tower, point i) of appendix C of NEN 2718 is NOT applicable. (This states that it is not permitted to span between *rolling* scaffolding and a building.) The use described above does not concern rolling scaffolding, because either foot spindles are used or wheel spindles are used in combination with anchoring.

Photo 4:

Photo 5:

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