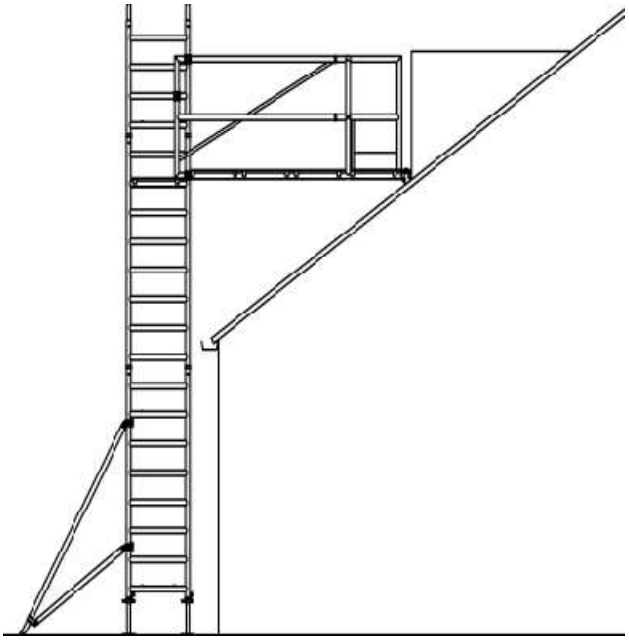
ASSEMBLY AND USER MANUAL

CUSTERS® ROOF WINDOW PLATFORM HANDY



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Safe access

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1. Application

The dormer scaffolding can be used with both the narrow and wide mobile scaffolding (1.3/2.5) from the CUSTERS mobile scaffolding system. However, the mobile scaffolding must either be mounted on foot spindles or on wheel spindles in combination with anchoring the mobile scaffolding to the facade. It is not permitted to attach dormer frames to the mobile scaffold if the mobile scaffold is standing on wheel spindles and has not yet been anchored. Before the dormer frames can be mounted, the scaffolding must first be anchored to the facade in accordance with the regulations. These anchors may only be loosened after the dormer frames have been dismantled during the dismantling of the structure.

The use of support rollers in the dormer frames is mandatory. It is not permitted to support the dormer frames directly without using the support rollers. It is not permitted to suspend the dormer frames from end rail frames. The dormer frames must only be mounted on the scaffolding frames. At least 3 couplings must be used per dormer frame: 1 at the top (between the dormer frame and the scaffolding frame upright), 1 as far as possible at the bottom (between the roof frame and the scaffolding frame upright) and 1 where possible between the roof frame and a rung of the scaffolding structure frame or, alternatively, between the roof frame and the scaffolding frame upright.

Please note: when using dormer frames, all scaffolding frames must always be secured to each other using frame locking pins. Mobile scaffold frames with conical coupling pins with a 'locking bump' are not suitable for use with dormer frames.

2. Load capacity

The entire structure (excluding the scaffolding towers themselves) may be loaded with a maximum of 150 kg per dormer frame used, minus the dead weight of the suspended platforms. This maximum load capacity applies to evenly distributed loads. The maximum point load is 150 kg on an area of 50 x 50 cm and may be applied at a maximum of one location at a time.

3. Handrails and toe boards

The space between the scaffolding and the dormer window must be completely filled with platforms at the height of the area where people access the roof. If materials are stored on the platforms and/or work is being carried out on the platforms (i.e., the platforms are not only being used as a passageway), toe boards must be installed around the edges.

4. Assembly

The entire structure must be set up level. In all situations, at least two adjustable stabilizers must be mounted on the street side at the corners of the scaffolding tower. If the scaffolding tower is not anchored and is more than 10 cm away from a supporting wall, two adjustable stabilizers must also be mounted on the scaffolding tower at the corners of the scaffolding on the wall side (one stabilizer per corner). If the scaffold is erected higher than 8.0 m floor height, it must always be anchored, even if it is mounted on foot spindles.

5. Assembly sequence

At a single scaffold:

1. Click the support rollers onto the ends of the dormer window frames.
2. Mount the dormer window frames with swivel couplings to the superstructure frames in the scaffolding. In the case of a “recessed frame,” one frame must slide above the work floor and the other frame must be mounted at the same height on the outside of the work floor.
3. Close off the space above the roof between the scaffolding and the dormer with platforms.
4. On the left and right, slide the dormer railings into the dormer frames and secure them with frame locking pins.
5. On top of the first platform (as seen from the roof), place a toe board and a hip railing on the side of the second platform.

   When bridging between two separate scaffolds (double version):
   Steps 1 to 4 as described above.
6. In both scaffolds, a dormer railing is omitted on the side of the gap.
7. Between the scaffolds, one floor is laid on the dormer frames on the dormer side.
8. On the street side, click two horizontal bars onto the uprights of the dormer frames. These then function as a railing in the “landing segment.”
9. Place the side boards on the continuous floor at the foot of the dormer on the street side in the recess made for this purpose to create a work platform.

6. Regulations

In addition to this manual, the NEN-EN 1298-compliant assembly and operating instructions for CUSTERS mobile scaffolding must also be observed. The use of this equipment is subject to health and safety regulations and NEN-EN1004.

7. Composition table (excl. Scaffolding)

(The tables are always based on the maximum range of the setup)

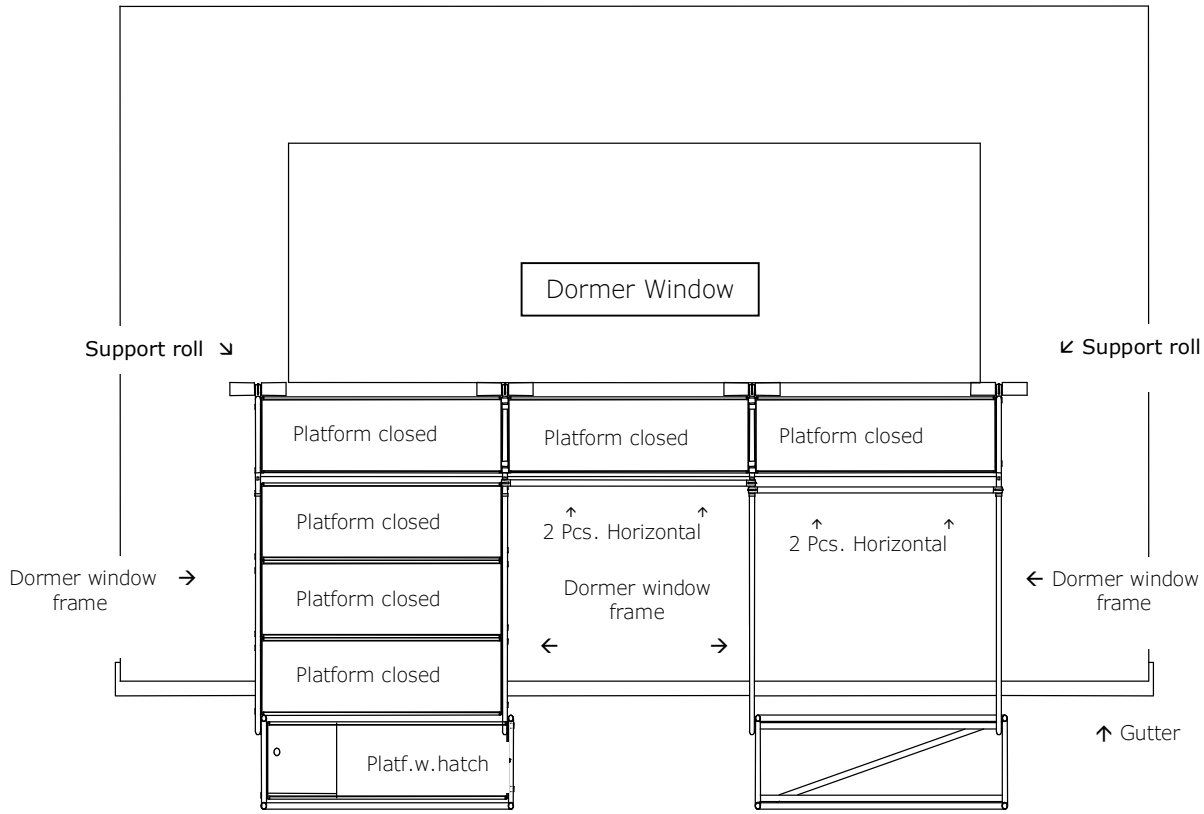
		Frame-length 1,8m Number of frames			Frame-length 2,5m Number of frames			Frame-length 3,1m Number of frames		
Description	Item no.	1	2	3	1	2	3	1	2	3
Frontlengte		*1.8m*	*3.6m*	*5.4m*	*2.5m*	*5.0m*	*7.5m*	*3.1m*	*6.1m*	*9.2m*
Dormer window frame	9501.905.010	2	3	4	2	3	4	2	3	4
Support roll	9501.905.030	2	3	4	2	3	4	2	3	4
End railing	9501.905.020	2	2	2	2	2	2	2	2	2
Clip	9501.410.162	4	4	4	4	4	4	4	4	4
Swivel coupling	9501.800.935	6	9	12	6	9	12	6	9	12
Toe board 1.8m	9501.200.086	1	2	3						
Toe board 2.5m	9501.200.080				1	2	3			
Toe board 3.1m	9501.902.080							1	2	3
Platform 1.8m (*1)	9501.310.010	4	5	6						
Platform 2.5m (*2)	9501.310.020				4	5	6			
Platform 3.1m (*3)	9501.310.030							4	5	6
Foot spindle	9501.520.010	4	6	8	4	6	8	4	6	8

1: *Depending on the shorter distance chosen between the scaffolding tower and the front of the dormer window, use combinations of platforms in the versions 1.8 x 0.6 m (item no. 9501.310.010) and 1.8 x 0.3 m (item no. 9501.340.010)*

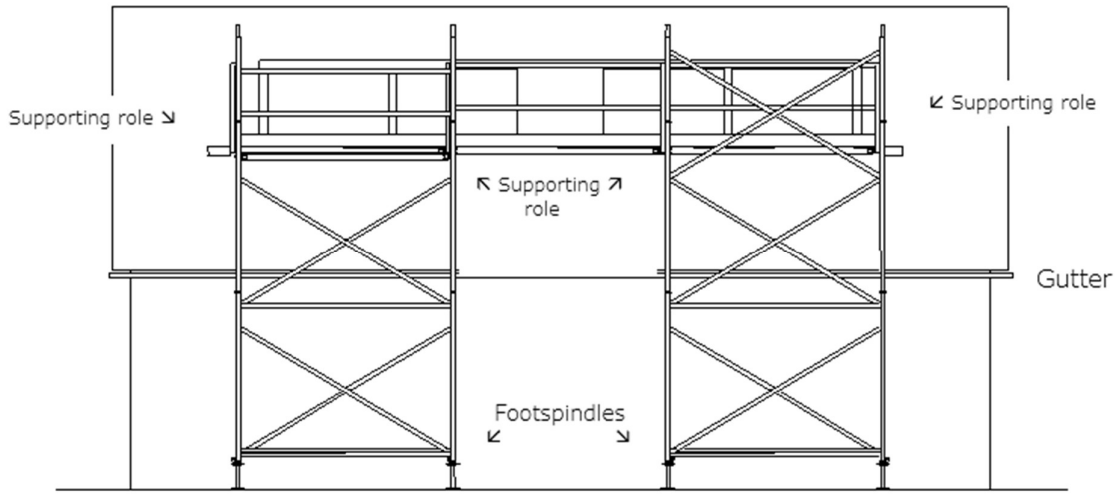
**2: Depending on the shorter distance chosen between the scaffolding tower and the front of the dormer window, use combinations of platforms in the versions 2.5 x 0.6 m (item no. 9501.310.020) and 2.5 x 0.3 m (item no. 9501.340.020).*

**3: Depending on the shorter distance chosen between the scaffolding tower and the front of the dormer window, use combinations of platforms in the versions 3.1 x 0.6 m (item no. 9501.310.030) and 3.1 x 0.3 m (item no. 9501.340.030).*

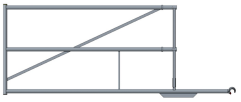
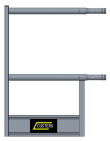
8. Top view (Double version)



9. Front view (Double version)



10. Parts

Description	Application	Item.No.	
Dormer window frame	At the outer edge of the entire arrangement	9501.905.010	
Removable end railing	Closure of dormer window frame at the outer edge of the entire structure	9501.905.020	
Support roll	Supporting the dormer window frame on the roof tiles	9501.905.030	

11. Regulations

In addition to this manual, the NEN-EN 1298-compliant assembly and operating instructions for CUSTERS mobile scaffolding must also be observed. The use of this equipment is subject to health and safety regulations and NEN-EN1004.

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