

Layher Staro Rolling Tower Instructions for Assembly and Use

Mobile working platforms

Working platform 1.95 x 1.95 m

Max. working height: 3.9 m

Load bearing capacity 1.5 kN/m²

Indoor and outdoor use



Layher® 

More Possibilities. The Scaffolding System.

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► NOTE

The products or assembly variants shown in these instructions for assembly and use may be subject to country-specific regulations. The user of the products bears the responsibility for compliance with such regulations. Subject to local regulations, we reserve the right not to supply all the products illustrated here.

Your Layher partner on the spot will be happy to provide advice and answers to all questions relating to the approvals for the products, to their use or to specific assembly regulations

▶ 1. INTRODUCTION

General

These instructions for assembly and use relate to assembly, modification and dismantling of the main assembly variants of the Staro Rolling Tower from Wilhelm Layher GmbH & Co. KG, of Gueglingen-Eibensbach, Germany. The instructions cannot cover all the possible applications. The support scaffolding must be built in accordance with the appropriate instructions for assembly and use of the scaffolding type used. If you have any questions about specific applications, please contact your Layher partner.

Caution: Layher Staro Rolling Tower equipment may only be assembled, modified and dismantled under the supervision of a qualified expert and by technically trained employees.

▶ 2. GENERAL INSTRUCTIONS FOR ASSEMBLY AND USE

The small scaffolding unit (platform height 2 m) may be used for the live loads and as additionally specified in the German operating safety regulations (BetrSichV). The rules of the German professional associations (BGR 173 / April 2000) governing the building of small scaffolding units must be complied with.

The user of small scaffolding units must comply with the following instructions:

1. The user must check the suitability of the selected scaffolding unit for the work to be performed (Section 4 of BetrSichV).
2. The assembly, modification or dismantling of the rolling tower in accordance with the present instructions for assembly and use may only be performed under the supervision of a qualified person and by professionally suitable personnel after special instruction. Only the scaffolding type shown in these instructions for assembly and use may be used. The unit must, after assembly and before being put into service, be inspected by persons qualified to do so (Section 10 of BetrSichV). The inspection must be documented (Section 11 of BetrSichV). During assembly, modification or dismantling, the scaffolding unit must be provided with a prohibition sign indicating "No access allowed" and be adequately safeguarded by means of barriers preventing access to the danger zone (BetrSichV Annex 2, para. 5.2.5).

3. Before assembly, all parts must be inspected to ensure they are in perfect condition. Only undamaged original parts from the Layher small scaffolding systems may be used. Scaffolding parts such as snap-on claws and spigots must be cleaned of dirt after use. Scaffolding components must be secured against slipping and impacts when transported by truck. Storage protected from the effects of weather must be ensured for the scaffolding. Scaffolding components must be handled in such a way that they are not damaged.
4. The guardrails must be slid as far as possible outwards after assembly.
5. Lifting gear must not be attached to or used on small rolling towers.
6. Persons working on small rolling towers must not lean against the guardrails.
7. Small rolling towers must not be bridged together unless a special structural analysis is available. The same applies for all other special structures.
8. It is prohibited to jump on the decks.
9. The tower may only be erected and moved on level and sufficiently firm ground. Any impacts must be avoided.
10. No personnel or unsecured objects may be on the tower during movement.
11. After movement, lock the castors by pressing down the brake lever.
12. Access to the working platform is only permitted via the Staro ladder.
13. The towers must not be subjected to any aggressive fluids or gases.
14. A three-part side guard must be attached when this is required by the regulations applying for the job to be performed.
15. For outdoor use or in open buildings, the small rolling tower must be moved to a spot protected from wind at wind speeds above 6 on the Beaufort scale or at the end of a shift, or other measures must be taken to secure it against toppling over. (Wind speeds above 6 can be recognised by noticeable difficulty when walking.)

▶ 3. TOWER MODELS

Tower model 7000



Tower model	7000
Working height (m)	2.8 – 3.9
Tower height (m)	1.89 – 2.78
Platform height (m)	0.8 – 1.9
Weight (kg)	99.0

▶ 4. ASSEMBLY SEQUENCE

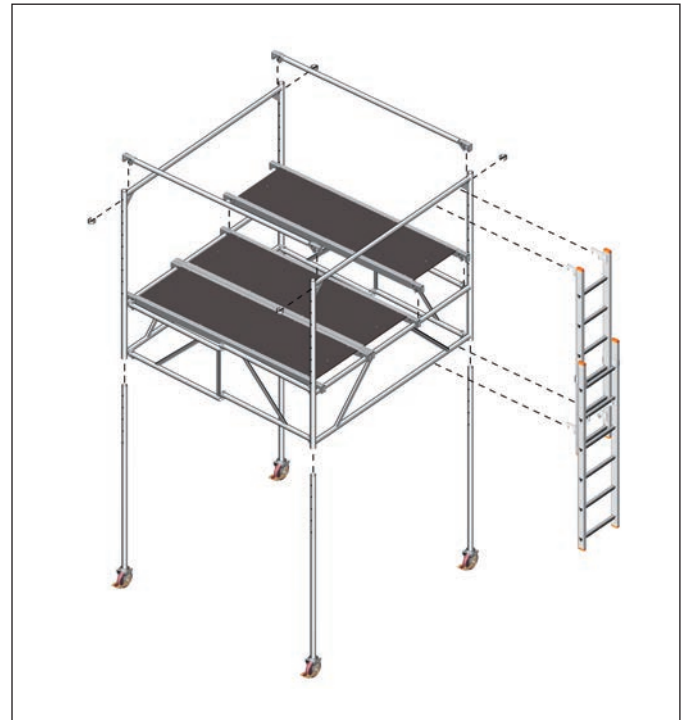
Pay attention to the General Assembly and Usage Instructions on page 4.

Basic assembly

1. Open the folding section of the Staro basic unit 1.
2. Insert the four leg tubes with castors 4 into the opened Staro tower base unit 1 and lock them at the required height using four spring clips.
3. Place the Staro decks 2 onto the central transverse tube of the base frame and snap them in place.
4. The guardrails 3 are attached using snap-on claws that are snapped from above onto the upper transverse tube of the base frame.

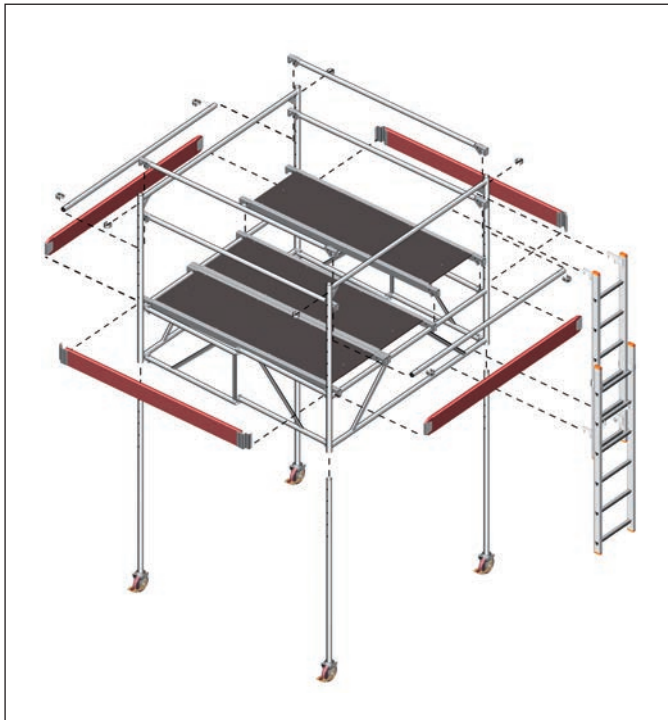
5. The Staro ladder 7 is an aid to ascent and must be suspended from the top and bottom transverse tubes of the rigid base frame. Be careful that the locking flaps on the lower suspension hooks prevent inadvertent lift-off. The sliding ladder must be adapted to the respective deck height by moving the upper ladder section rung by rung. The ladder must not rest on the ground.

6. Before using the tower, the castors must be locked by pressing down the brake lever.



Additional attachment of a three-part guardrail

1. Fasten the intermediate rails 8 into the 5th hole from the top of the base frame using two spring clips in each case.
2. Snap two guardrails 3 onto the intermediate rails 8 from above.
3. Place two toe boards 5 parallel to the decks between the leg tubes and steady them by inserting two end toe boards 6.
4. A three-part side guard must be attached when this is required by the regulations applying for the job to be performed.



► 5. DISMANTLING

Dismantling is carried out in the reverse order of assembly. To lift out the various parts, press the locking clips of the snap-on claws to open them.

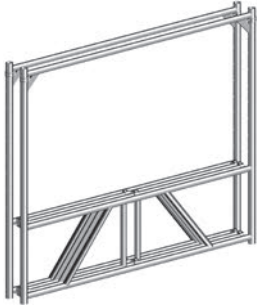
The red locking clips of the decks permit effortless removal and insertion by one person; they must first be released and the deck with its opened clip placed on the rung, then the clips at the opposite end are opened and the deck is lifted out.

► 6. PARTS LIST

Tower model 7000	Ref. No.	Quantity
Staro tower base unit incl. 4 clips	1224.000	1
Staro deck 1.9 m	1241.190	3
Staro guardrail	1227.190	2
Leg tube with castor	1302.150	4
Additionally (at extra charge):		
Ladder for Staro rolling tower	1246.006	1
Additionally for three-part side guard:		
Intermediate rail 1.9 m	1224.190	2
Staro guardrail	1227.190	2
Toe board 1.95 m	1239.195	2
End toe board 1.9 m	1238.190	2

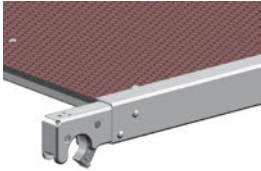
▶ 7. COMPONENTS

1



1224.000 Staro tower base unit

2



1241.190 Staro deck
1.9 m

3



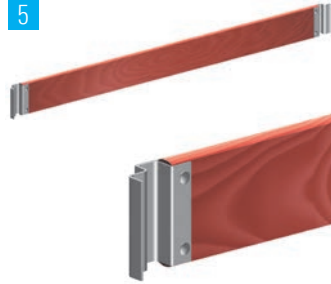
1227.190 Staro guardrail

4



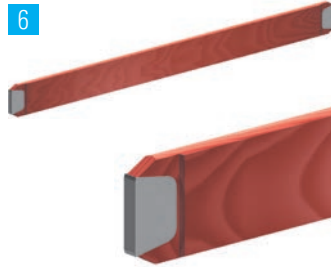
1302.150 Leg tube with castor

5



1239.195 Toe board, with claw
1.95 m

6



1238.190 End toe board
1.9 m

7



1246.006 Ladder

8



1224.190 Intermediate rail
1.9 m

▶ 8. DECLARATION OF CONFORMITY

Herstellererklärung ♦ Declaration of Conformity

Declaration of Conformity

Originator:

Wilhelm Layher GmbH & Co. KG
Ochsenbacher Straße 56
D-74 363 Güglingen-Eibensbach

Herewith we declare that the following mentioned Rolling Tower is conform to the current technical laws because of its design and construction as well as in the version we offer. This declaration is no longer valid in case of variation the construction. It is only valid for the listet implementing ordinance in the User Manual.

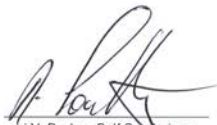
Product	Rolling Towers	
	Staro Rolling Tower	
Version	7000	
Characteristics	acceptable Load:	150 kg/m ² (Scaffold Group 2)
	Dimension	
	Gerüstlänge:	1,95 m
	Gerüßbreite:	1,95 m
	Type	Platform Height
	7000	0,80 m - 1,90m (adjustable with 8 Steps)

The product complies the following technical standards:

- EN 1004 : 2004-12
- EN 1298 : 1996-02

Pay attention to the User Manual during erection, modificate or dismantle the Rolling Tower.

Eibensbach, March 31th 2010


i.V. Dr.-Ing. Rolf Sohseimer

Rolling Towers

Stable. Lightweight. Versatile



Wilhelm Layher GmbH & Co. KG
Scaffolding Grandstands Ladders

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