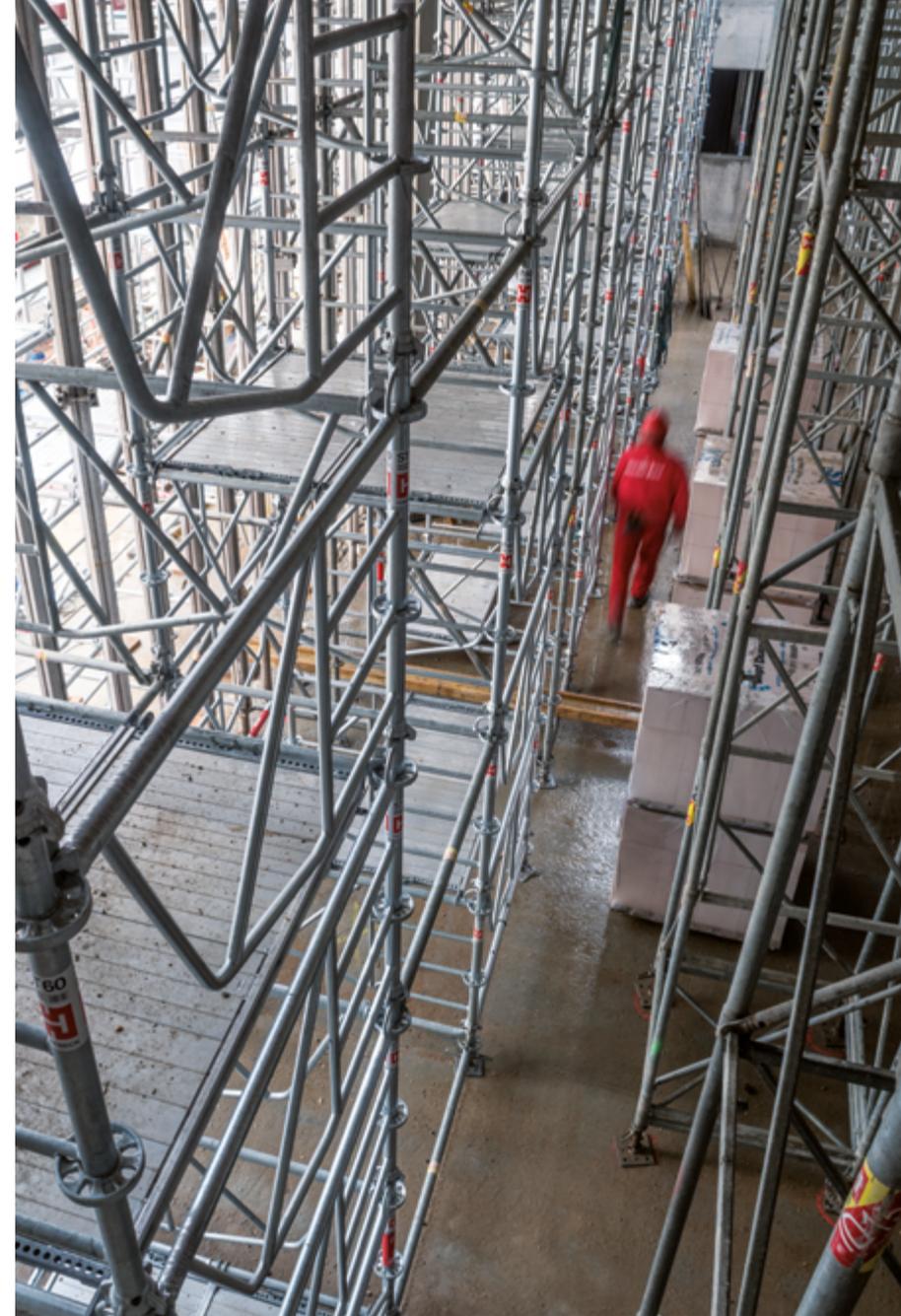


ST 60

ST 60 is an innovative shoring system remarkable for its easy handling and exceptional safety.

- ▶ **Technical data**
- ▶ **Product advantages – Work productively**
- ▶ **Product advantages – Work safely**
- ▶ **Application & use**
- ▶ **Logistics**
- ▶ **Engineering-Services**



At Work For You

HÜNNEBECK 

BY BRAND) SAFWAY

ST 60

Technical data

ST 60 focuses on just six basic parts to allow a high utilization rate. The low weight of the parts (max. 15 kg each) and ergonomic board transfer ensure quick, safe and effortless work. The modular design enables the construction of shoring towers that can withstand high loads, in three system dimensions.

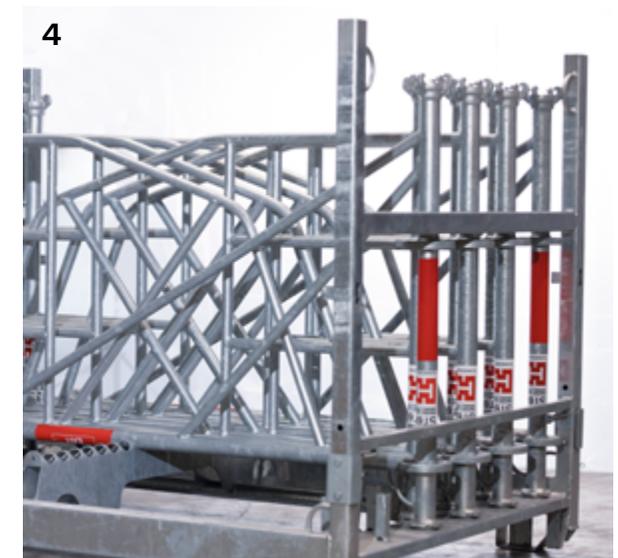
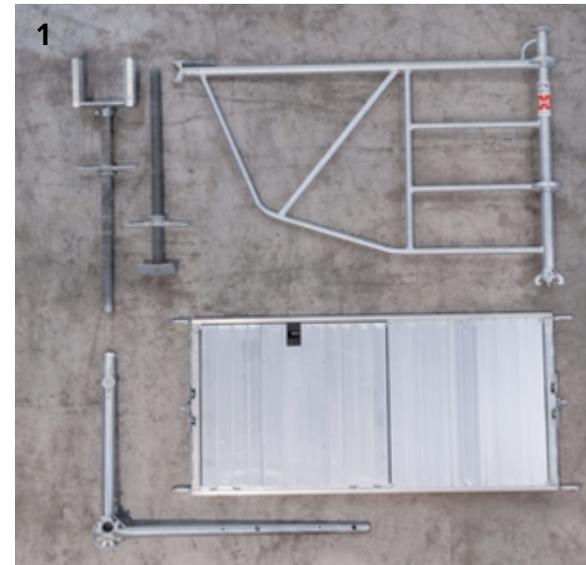
Product description	ST 60 shoring tower
Basic dimensions	Three tower widths with just two frames: 113 x 113 cm 150 x 150 cm 113 x 150 cm
Typical application heights	3.00 to 15.00 m
Scaffold boards	Load Class 4 (drop test approved acc. to EN 12811)
Relevant standards	Complies with EN 12811, EN 12812
Max. load	240 kN per tower (60 kN per leg)
Connection elements	Secure with wedge mechanism
Corrosion protection	Hot-dip galvanisation
Special features	<ul style="list-style-type: none"> • Up to 62 cm jack height • Tight and pressure-resistant frame connections with bayonet lock • Frames secured in position for safe transportation • Just one stacking rack for all frame sizes • Boards designed to prevent slipping when stacked



ST 60

Work productively

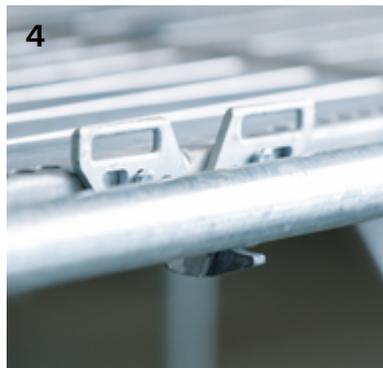
- ▶ The components from top to bottom (1)
- ▶ Quick and simple assembly, pre-assemble either upright or lying flat (2)
- ▶ Clever repositioning of decks (3)
- ▶ Special stacking frame saves storage space and makes loading and unloading easier (4)



ST 60

Work safely

- ▶ Temporary side protection ensures safety (1)
- ▶ Intuitive action ensures quick familiarisation with system (2)
- ▶ Lightweight components (< 15 kg) mean easy handling (3)
- ▶ Deck retainers prevent panel uplift (4)
- ▶ Self-locking aluminium decks prevent from falls or falling objects (5)
- ▶ Built-in ladder to safely access the work area (6)
- ▶ Patented solution to deck climbing to next level easily and ergonomically (7)
- ▶ Automatic spindle lock

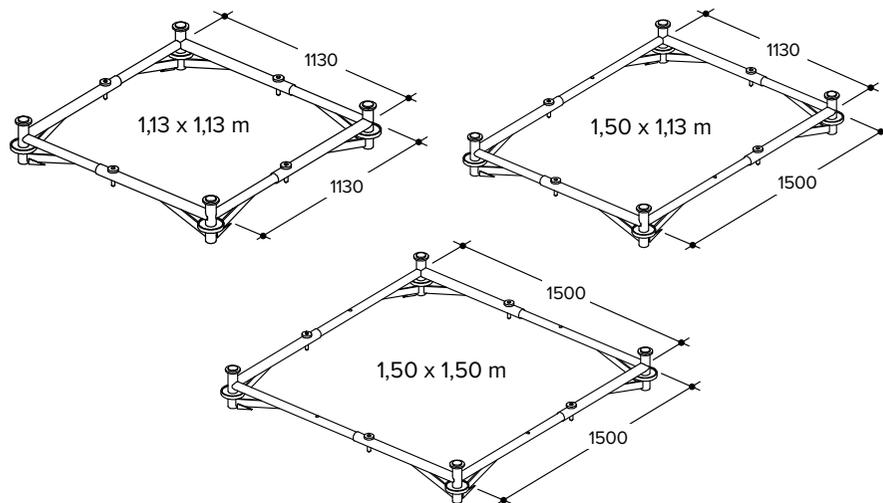


ST 60

Application & use

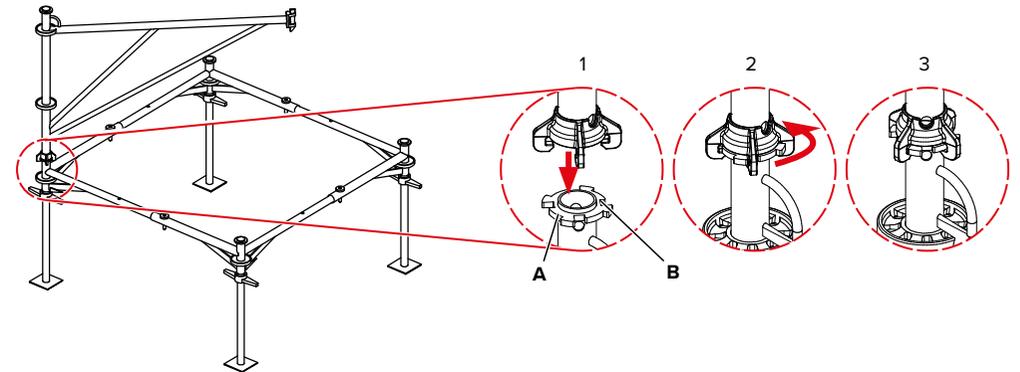
On the following pages you will find excerpts from our user manuals. The complete instructions are available at www.huennebeck.com.

Assembling base frame



The base frame forms the bottom frame level of every ST 60 Shoring Tower. It consists of 4no. Starter Frames L. The tubes of the Starter Frame L have to be inserted into one another. Each Starter Frame L has 2no. positions with which to select the different dimensions that are possible. The following illustration shows the possible dimensions.

Attaching ST 60 Frame to and detaching ST 60 Frame from next-lower frame



Each ST 60 Frame is equipped with 1no. or 2no. rosettes. Attach additional frames for the same level to the rosettes. Other components such as MODEX Tube Ledgers or MODEX Diagonals are also connected here. Frames for the next-higher or next-lower level are attached with the aid of the upper or lower bayonet fasteners. This creates a tension-resistant connection that allows the towers to be transported by crane.

ST 60

Application & use

Assembling ST 60 Shoring Tower lying on the ground

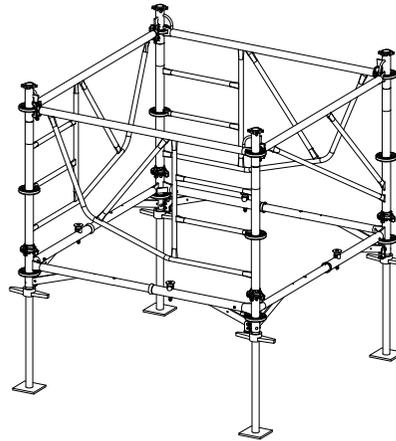
ST 60 Shoring Towers with up to 12no. frame levels can be assembled lying on the ground and then pulled upright with a crane. Ensure that the assembly surface is flat. Do not assemble the ST 60 Shoring Tower directly on the ground. Place a board under each frame level (at least 60 mm x 60 mm).

The first unit always has to be assembled upright. It consists of:

- ▶ Base frame with Base Jacks
- ▶ First frame level
- ▶ First deck level

Once the first unit is assembled, turn it on its side. Two persons are required to perform this task. Then continue assembling the other levels.

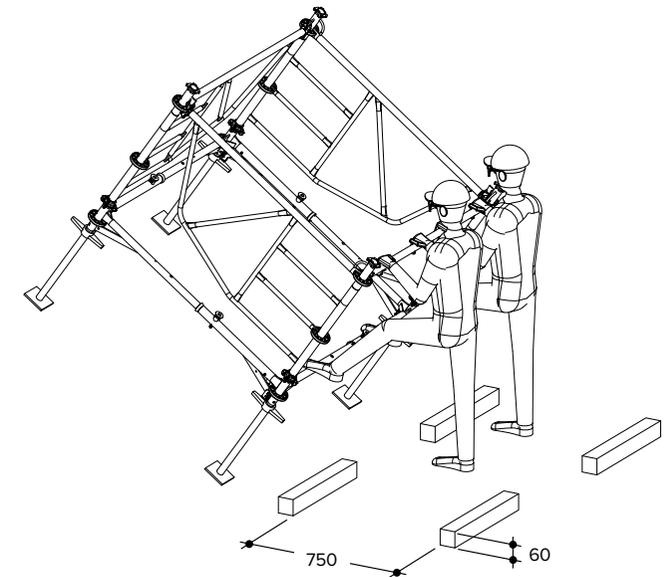
Assembling first unit



Step 1 Prepare the assembly surface.
The surface must be flat.

Step 2 Assemble the base frame
(Refer to Section 5.6 on page 36).

Step 3 Assemble the first frame level.

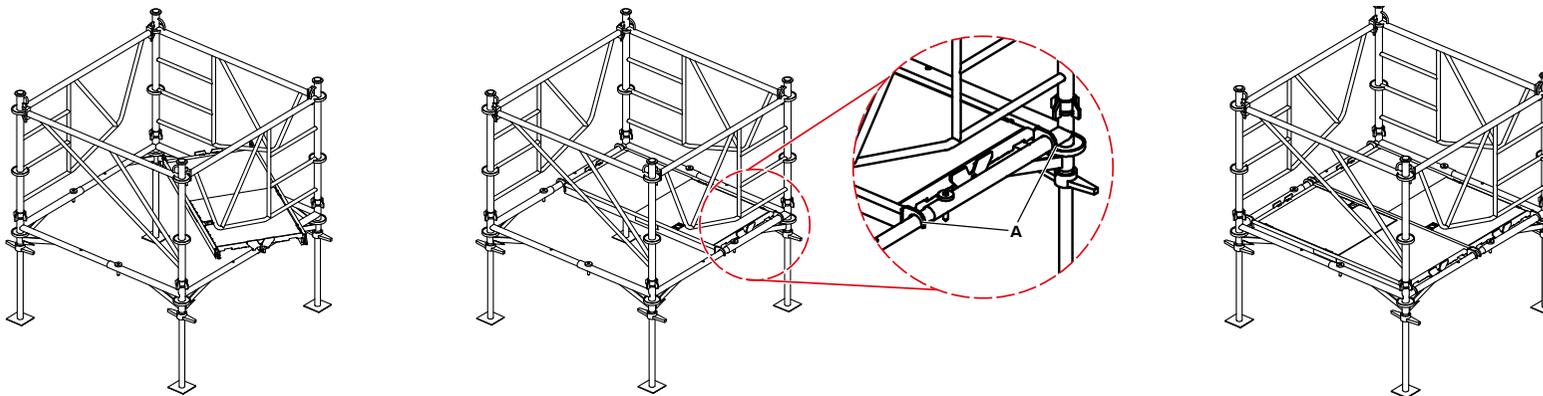


Step 4 Turn the first unit on its side, working with two persons, and place it on boards (at least 60 mm x 60 mm). The boards should be spaced 750 mm apart (inner dimension).

ST 60

Application & use

Upright assembly of ST 60 Shoring Tower – Decking first level



Install the decks on the first level from outside of the ST 60 Shoring Tower. Observe the following points regarding assembly:

- ▶ Install all decks such that the access hatch opens to the outside.
- ▶ Always place the decks parallel to the Entry Frame.
- ▶ The end of the access hatch always has to be adjacent to a ladder.

All ST 60 decks meet the requirements of Load Class 4 (LC 4). Loads to which the decks are subjected must be taken into consideration when determining the Safe Working Load of the ST 60 Shoring Tower.

Application & use

- › Shoring tower
- › High-performance room scaffold

ST 60 integrates with

- › MODEX® scaffolding
- › H 20 girders
- › R 24 girders
- › Aluminium and steel profiles

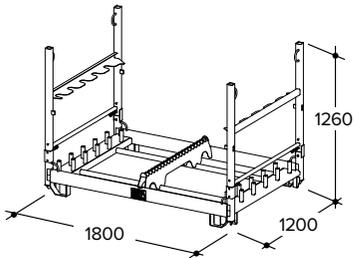
If you would like to find out more, take a look at our **Video**.

ST 60 Logistics

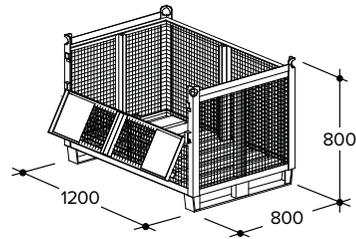
Components for transportation and storage

Es stehen verschiedene Lager- und Transportbehälter für ST 60 zur Verfügung: ST 60 Transportgestell, Euro Stapelgestell, Euro Gitterbox, Euro Trolley.

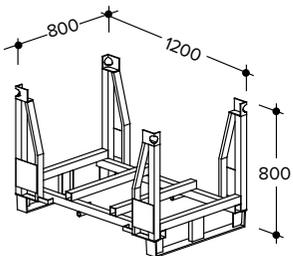
► ST 60 Frame Rack



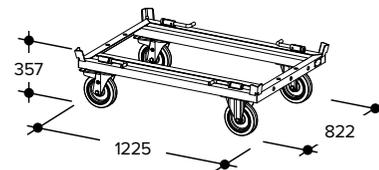
► Euro Lattice Box



► Euro Stacking Frame



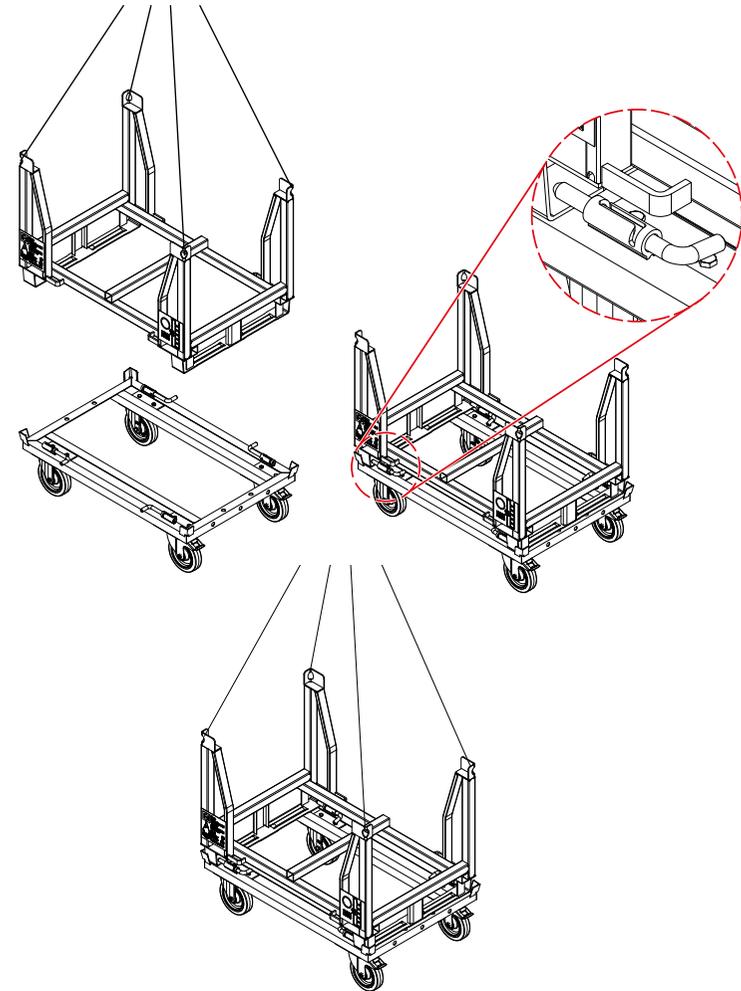
► Euro Trolley



Transportation with the Euro Trolley

8

Single Frame Racks, Stacking Frames or Lattice Boxes can be transported with the Euro Trolley. The Euro Trolley along with a frame/box can be moved with a crane. To be able to move them together, the frame/box has to be secured by all 4no. safety pins on the Euro Trolley.



ST 60

Engineering-Services

Phase 1
We analyse the situation.

Phase 2
We develop the technical drawings and calculate the costs.

We can design the most complex projects on your behalf quickly and thoroughly. Starting with the ground plan and facade dimensions, we produce the required structural drawings, determine the precise quantities of materials and supply all the required quantity lists.

We help in finding the right safety and access solution. Transparency, flexibility, cost-effectiveness and safety are a matter of course for us and an integral part of our corporate philosophy.

Whatever it takes! We assist you throughout complex construction projects including the engineering of one-off structures. Our mission at all times is to protect you from any unnecessary risks and help you arrive at the best-possible results in every respect.

Phase 3
We plan and implement the realisation.

Phase 4
We assist with project finalisation.