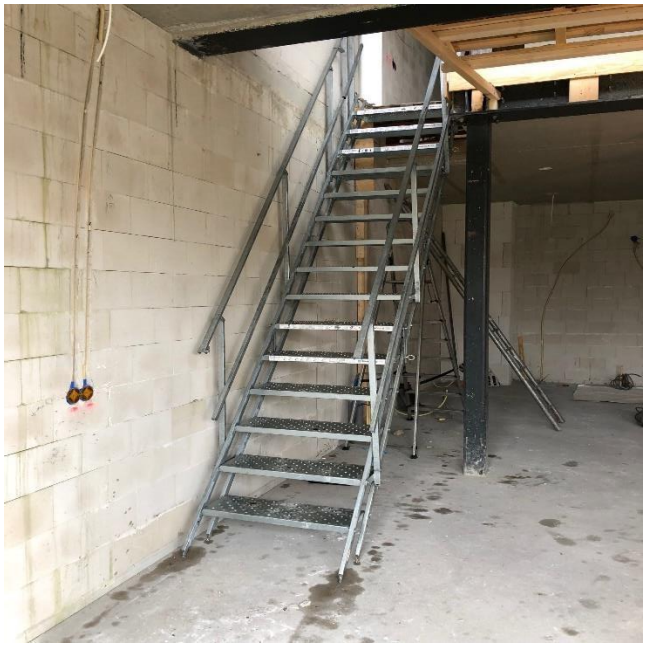
Manual Steel stairs TV



Steel stairs TV

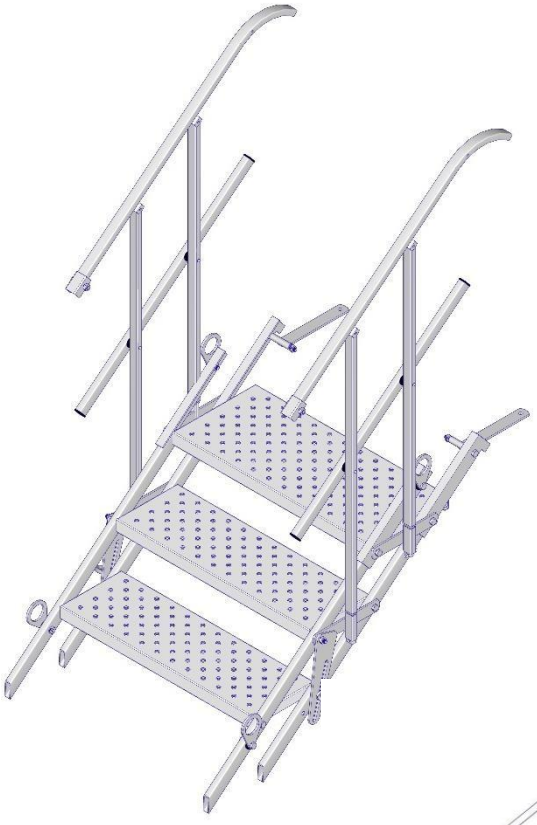
EasyStairs offers a wide range of Steel Universal stairs. These stairs are often used on construction sites and event grounds. They are also ideal for making container and residential units accessible. The Steel Universal stairs are height-adjustable. This means they can be used again and again.

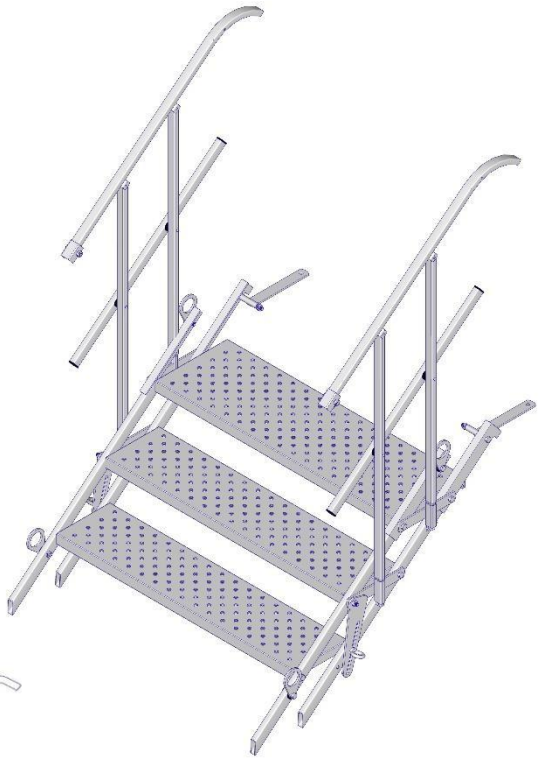
A Steel Universal stair from EasyStairs is much safer than a wooden ladder that easily falls over and becomes slippery in bad weather. Our Universal stairs are robust, stable and meet the EN12811 quality mark. They also offer your employees or visitors a lot of convenience. The Universal stairs are quick and easy to climb and have a pleasant step height. This makes it possible to climb the stairs with full hands or to pass each other on the stairs.

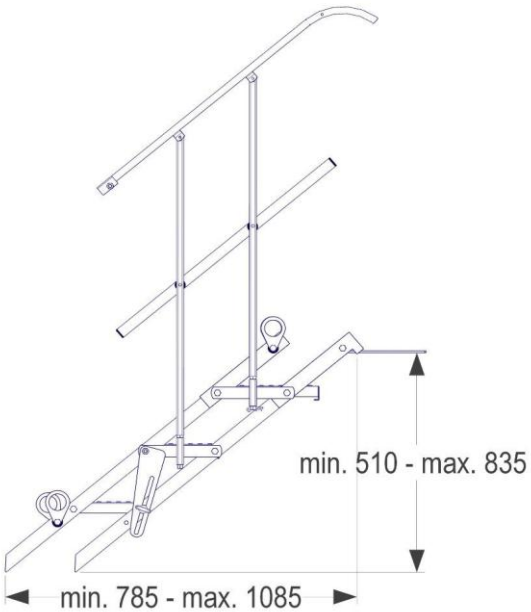
Steel stairs 3 steps TV – 700 / 1.000 mm

Specifications:
Range: 510 – 835 mm
Length: 1.640 mm
Slope length: 800 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 39 / 43 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

Transportation:
10 Pieces fit on 1 euro pallets
Dimensions: 1.640x900/1.200x1.350 mm
Weight: 410 / 450 kg



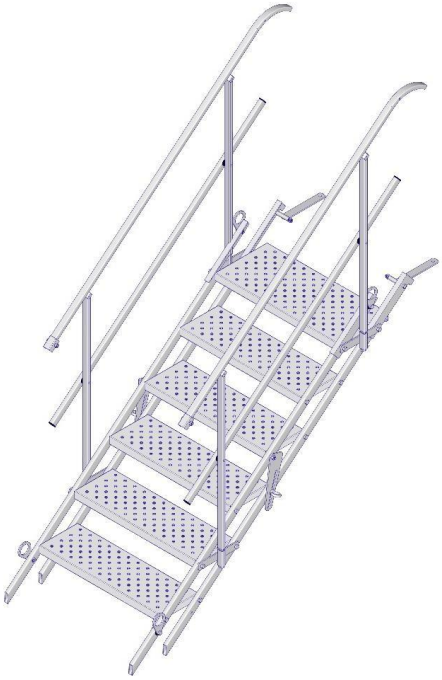


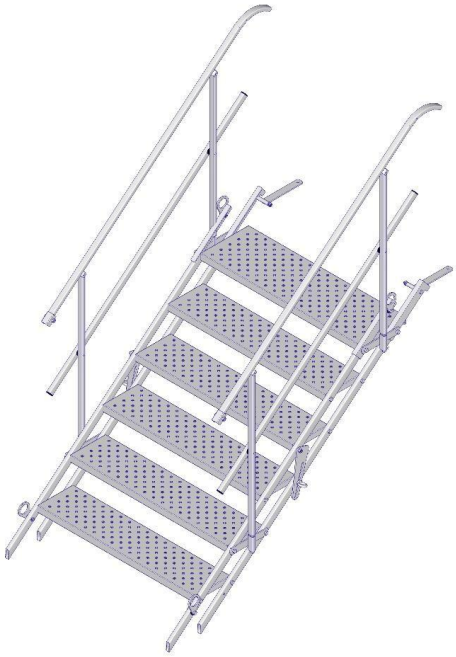


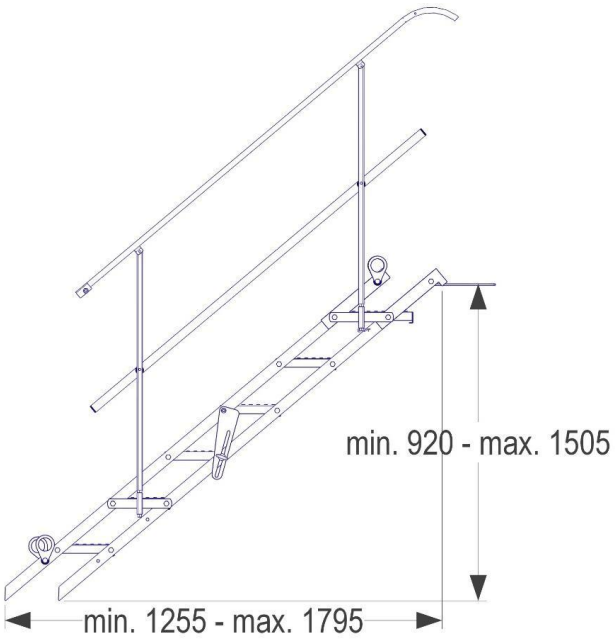
Steel stairs 6 steps TV – 700 / 1.000 mm

Specifications:
Range: 920 – 1.505 mm
Length: 2.450 mm
Slope length: 1.600 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 61 / 70 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

Transportation:
10 Pieces fit on 1 euro pallets
Dimensions: 2.450x900/1.200x1.350 mm
Weight: 630 / 720 kg



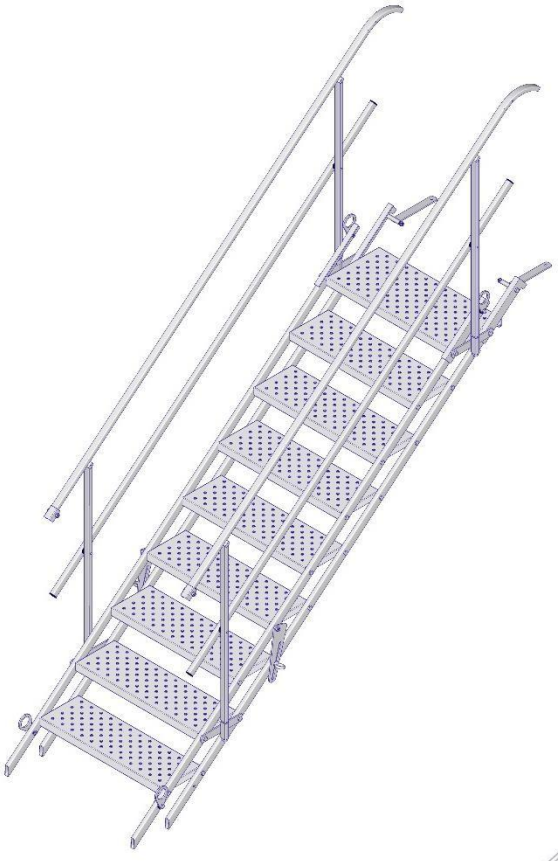


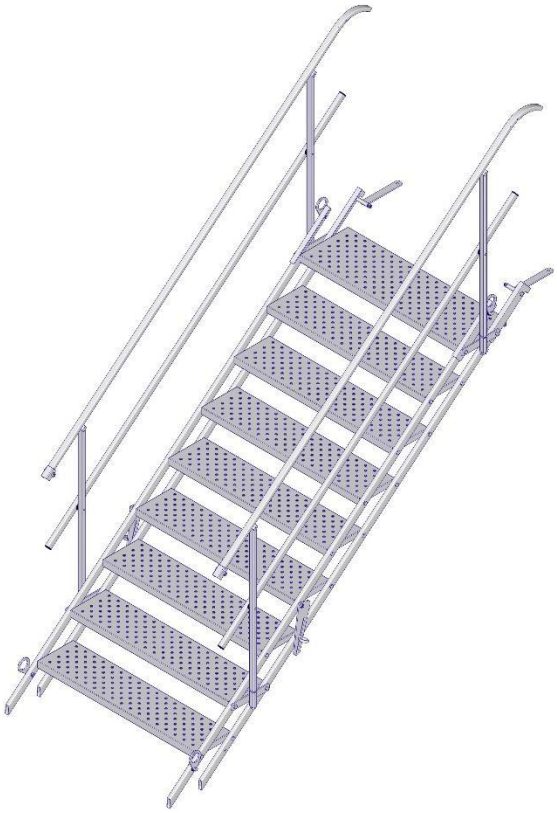


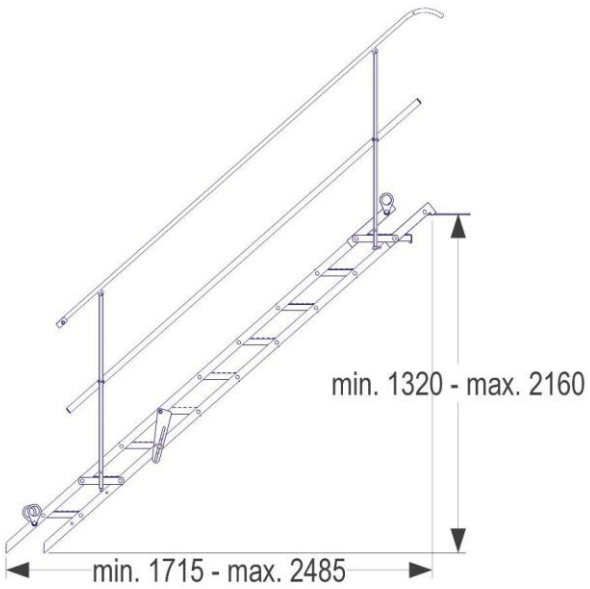
Steel stairs 9 steps TV – 700 / 1.000 mm

Specifications:
Range: 1.320 – 2.160 mm
Length: 3.260 mm
Slope length: 2.420 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 83 / 97 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

Transportation:
10 Pieces fit on 1 euro pallet
Dimensions: 3.260x900/1.200x1.350 mm
Weight: 850 / 990 kg



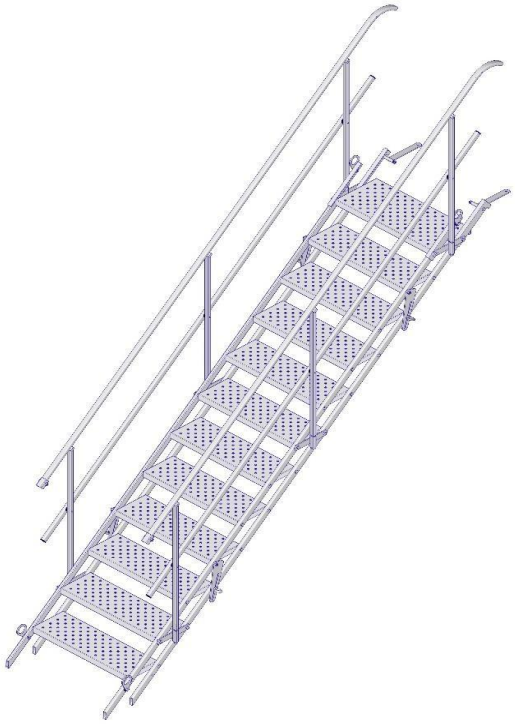


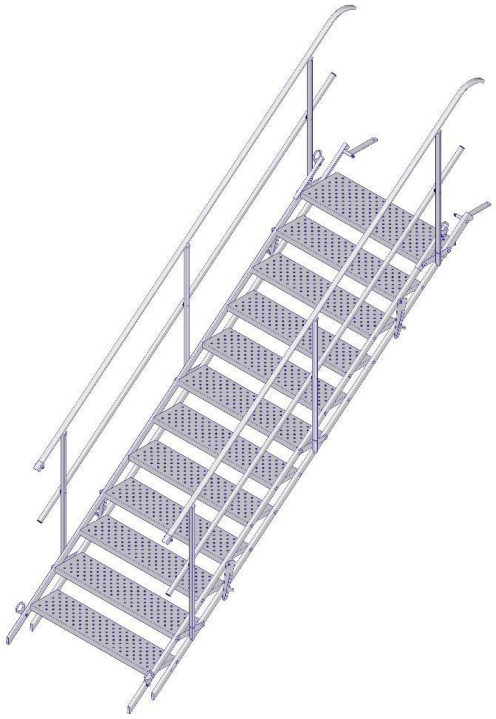


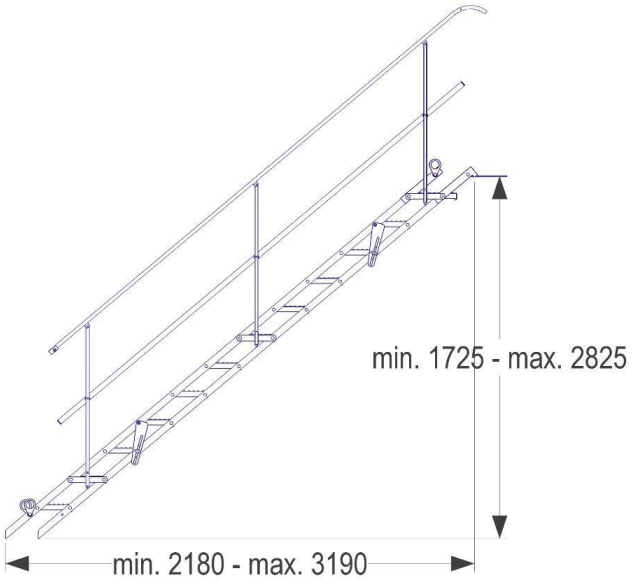
Steel stairs 12 steps TV – 700 / 1.000 mm

Specifications:
Range: 1.725 – 2.825 mm
Length: 4.070 mm
Slope length: 3.230 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 110 / 127 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

Transportation:
10 Pieces fit on 2 euro pallets
Dimensions: 4.070x900/1.200x1.350 mm
Weight: 1.140 / 1.310 kg



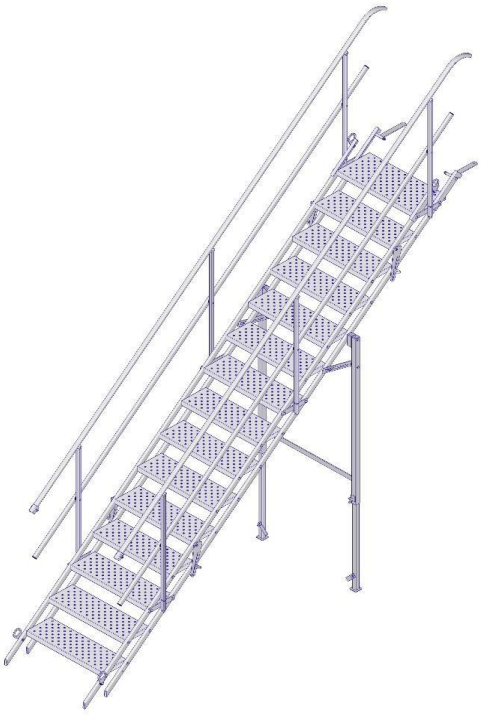


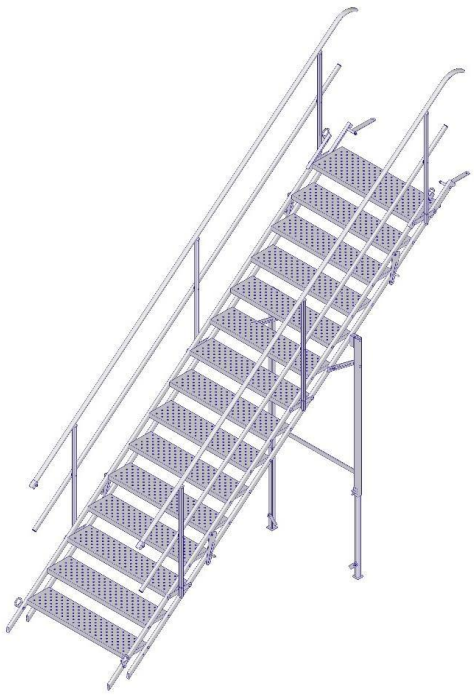


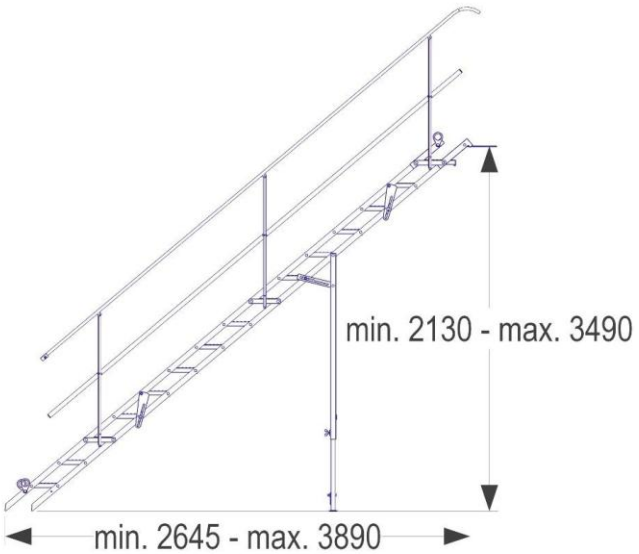
Steel stairs 15 steps TV – 700 / 1.000 mm

Specifications:
Range: 2.130 – 3.490 mm
Length: 4.610 mm
Slope length: 4.030 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 147 / 170 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

Transportation:
5 Pieces fit on 2 euro pallets
Dimensions: 4.610x900/1.200x750 mm
Weight: 775 / 890 kg



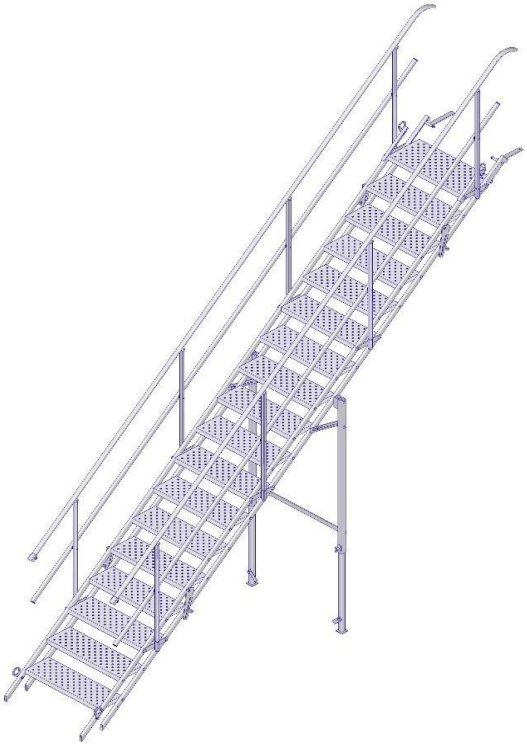


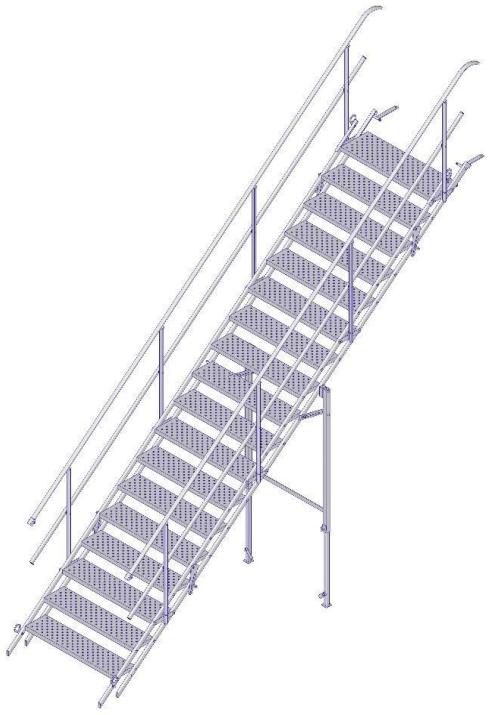


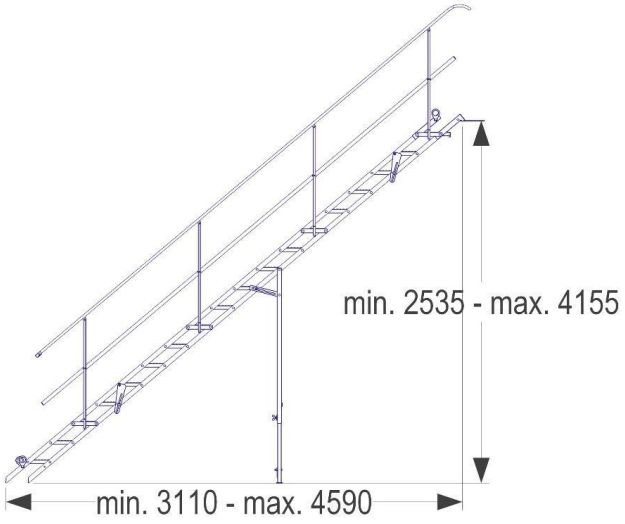
Steel stairs 18 steps TV – 700 / 1.000 mm

Specifications:
Range: 2.535 – 4.155 mm
Length: 5.420 mm
Slope length: 800 mm
Internal width: 700 / 1.000 mm
External width: 800 / 1.100 mm
Weight: 174 / 200 kg
Max. load: 1,5kN/m2
Material: Verzinkt staal
Standard: EN12811

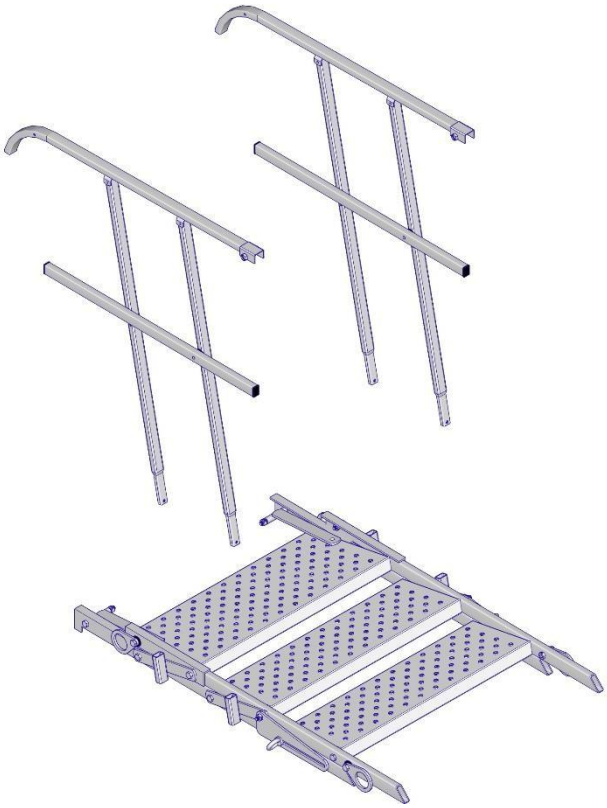
Transportation:
5 Pieces fit on 2 euro pallets
Dimensions: 5.420x900/1.200x1.350 mm
Weight: 910 / 1.040 kg

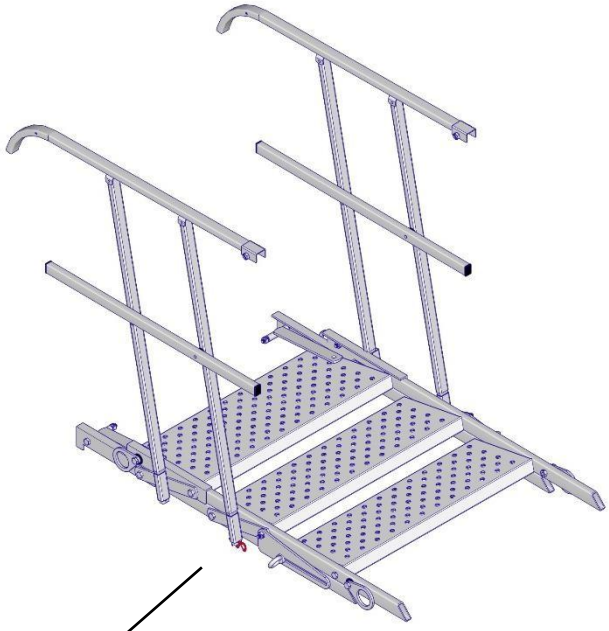


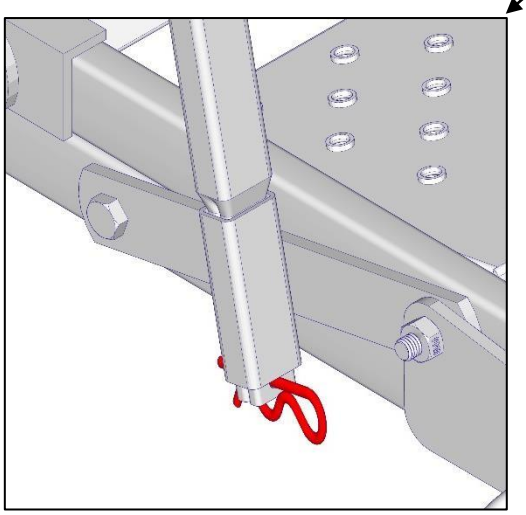


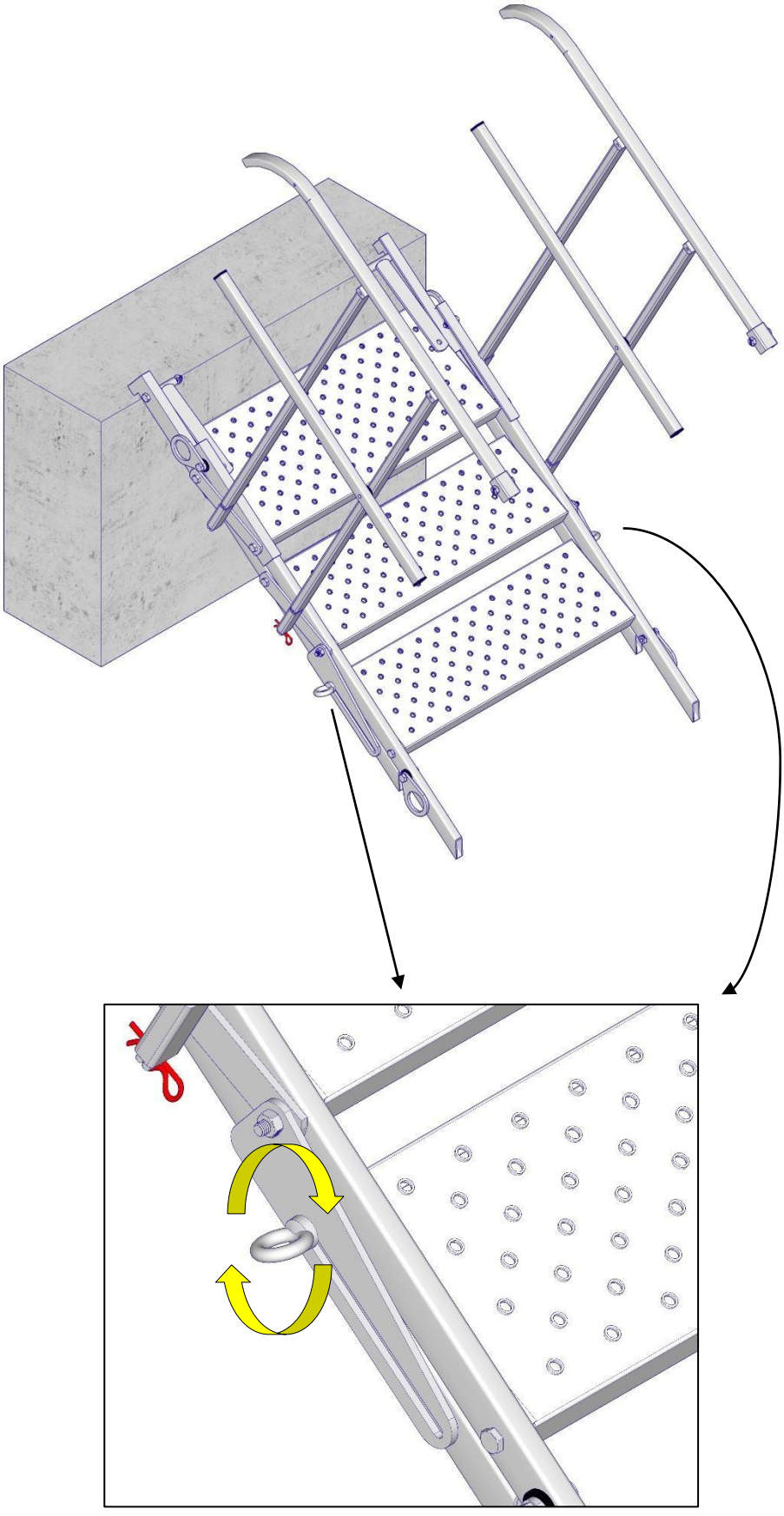


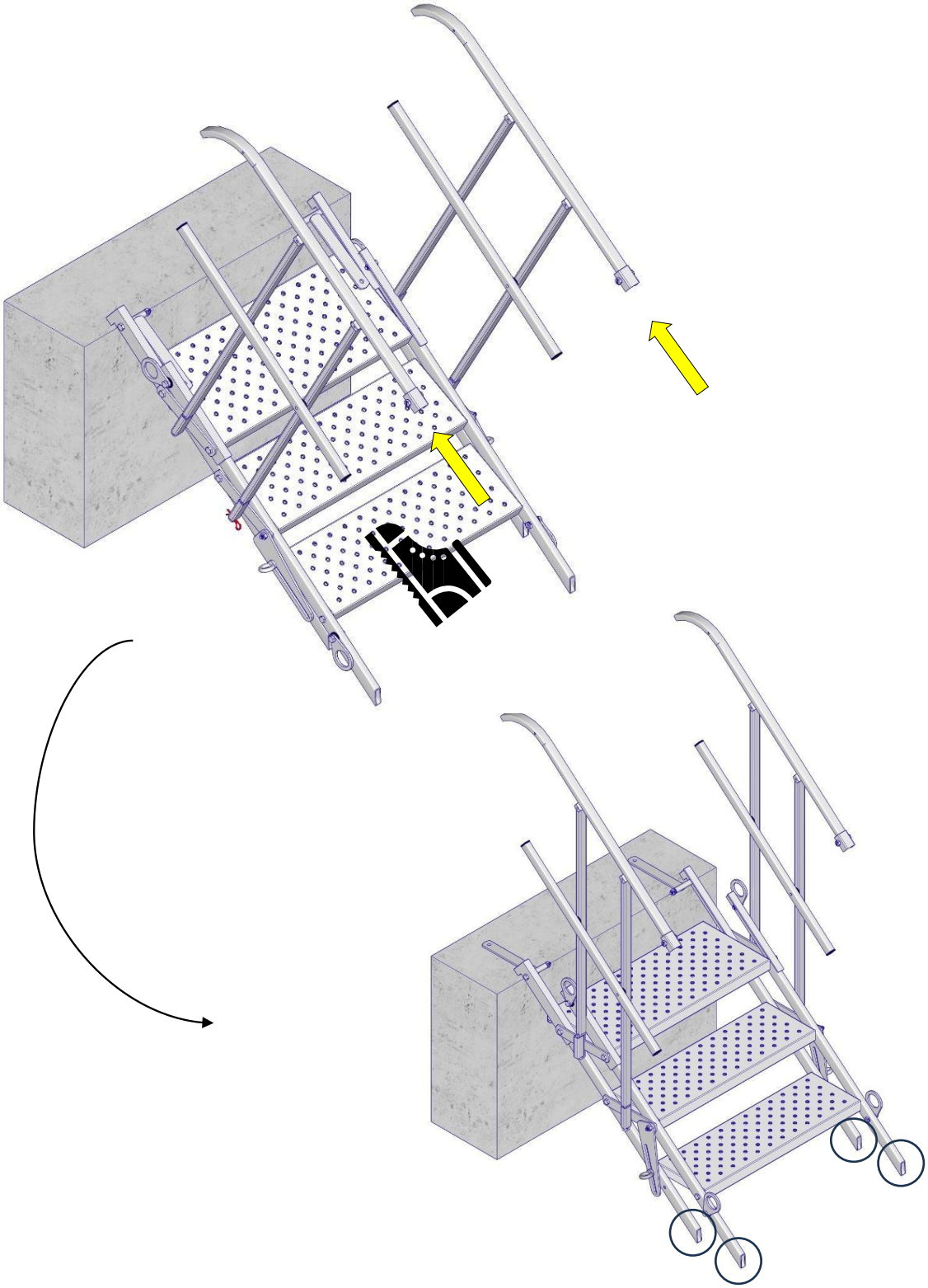
Assembly



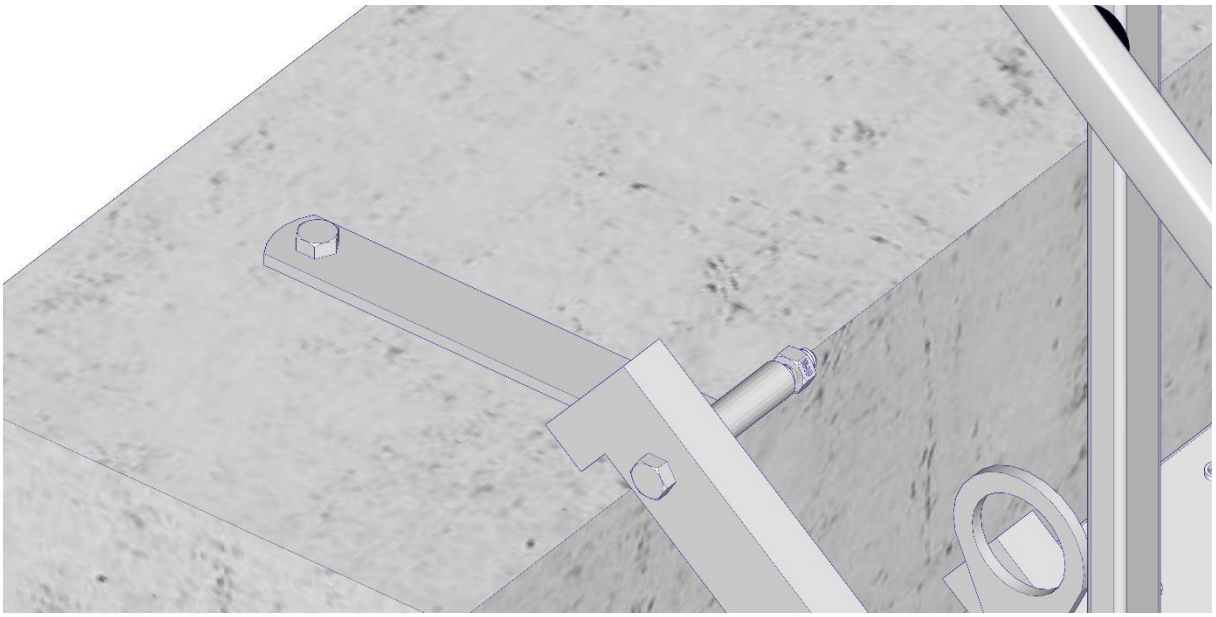


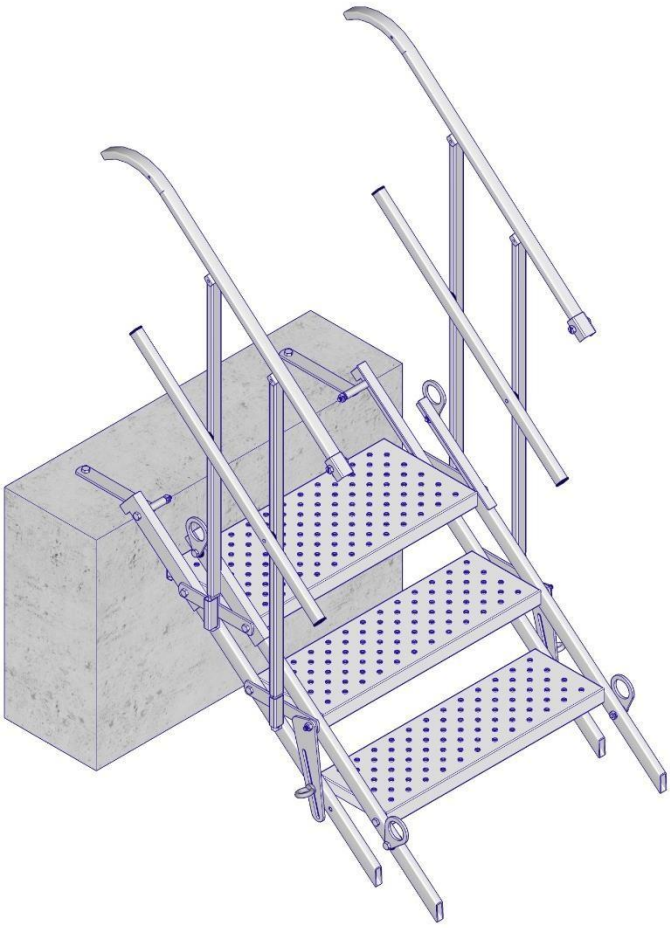






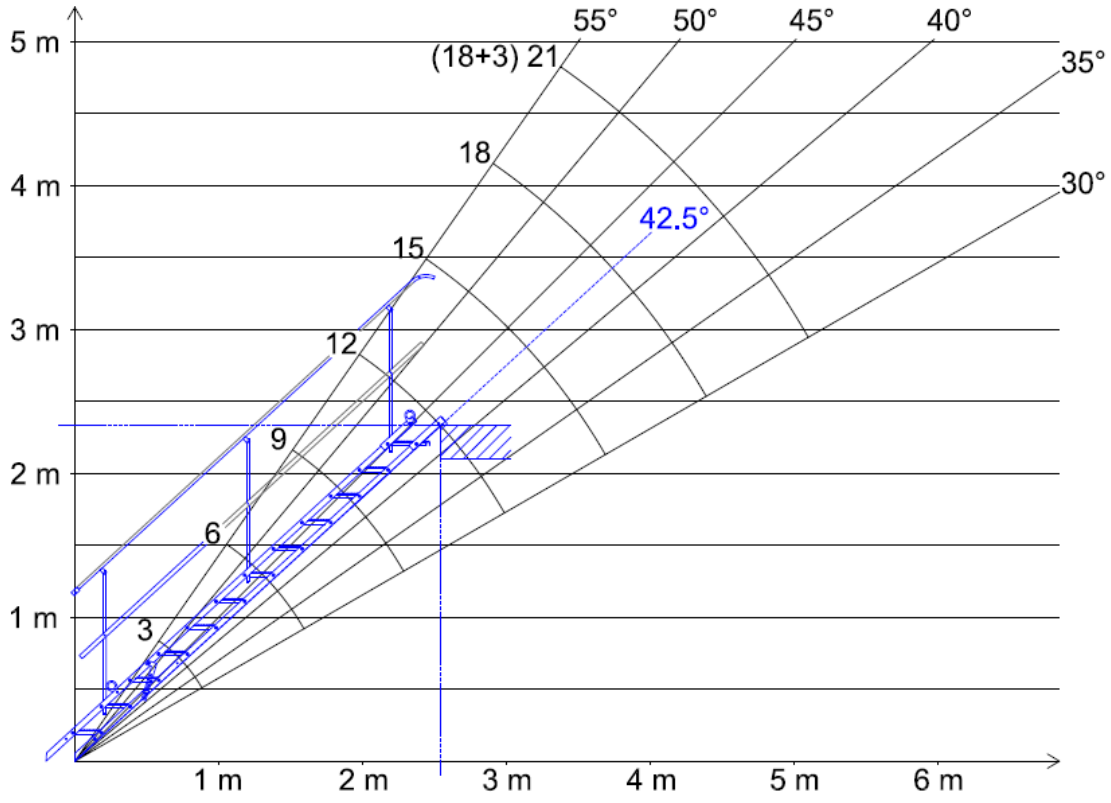
changes[221122]





Inclination diagram

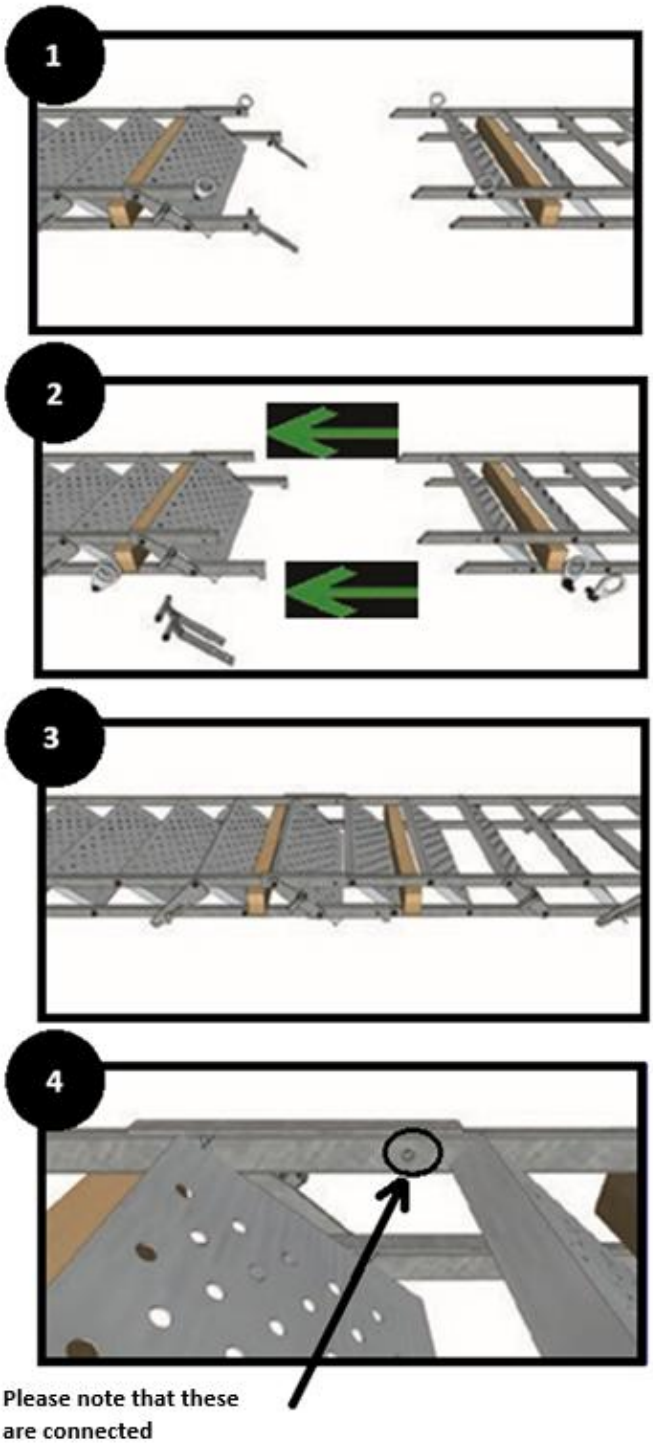
- Mark the overall height on the height axis
- Draw a horizontal line up tot he angle of inclination to define the number of steps.
- To determine the horizontal distance, you must draw a verticale line downwards from this point of intersection.

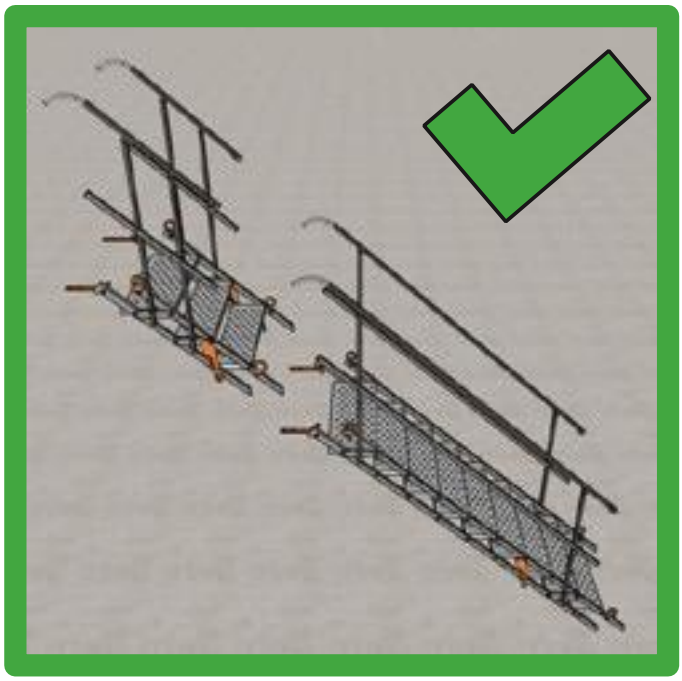


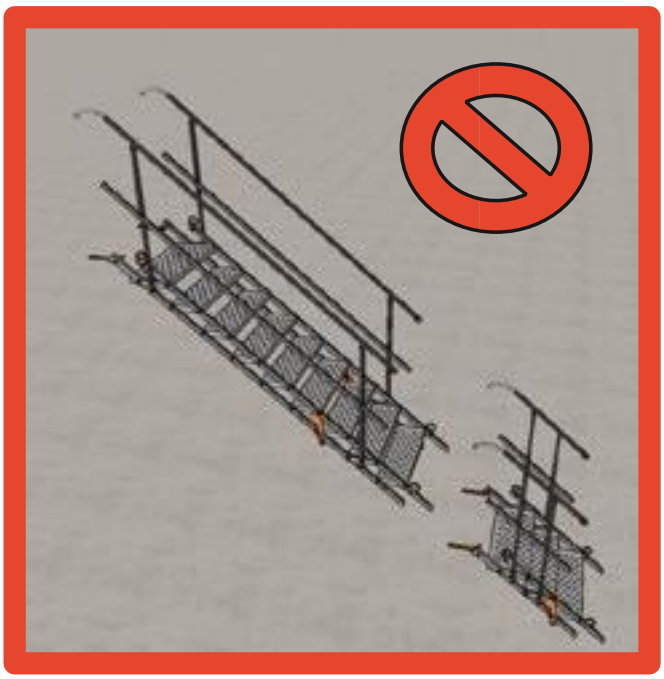
Example 12 treden trap
Height: 2.350 mm
Distance: 2.550 mm
Degrees: 42,50

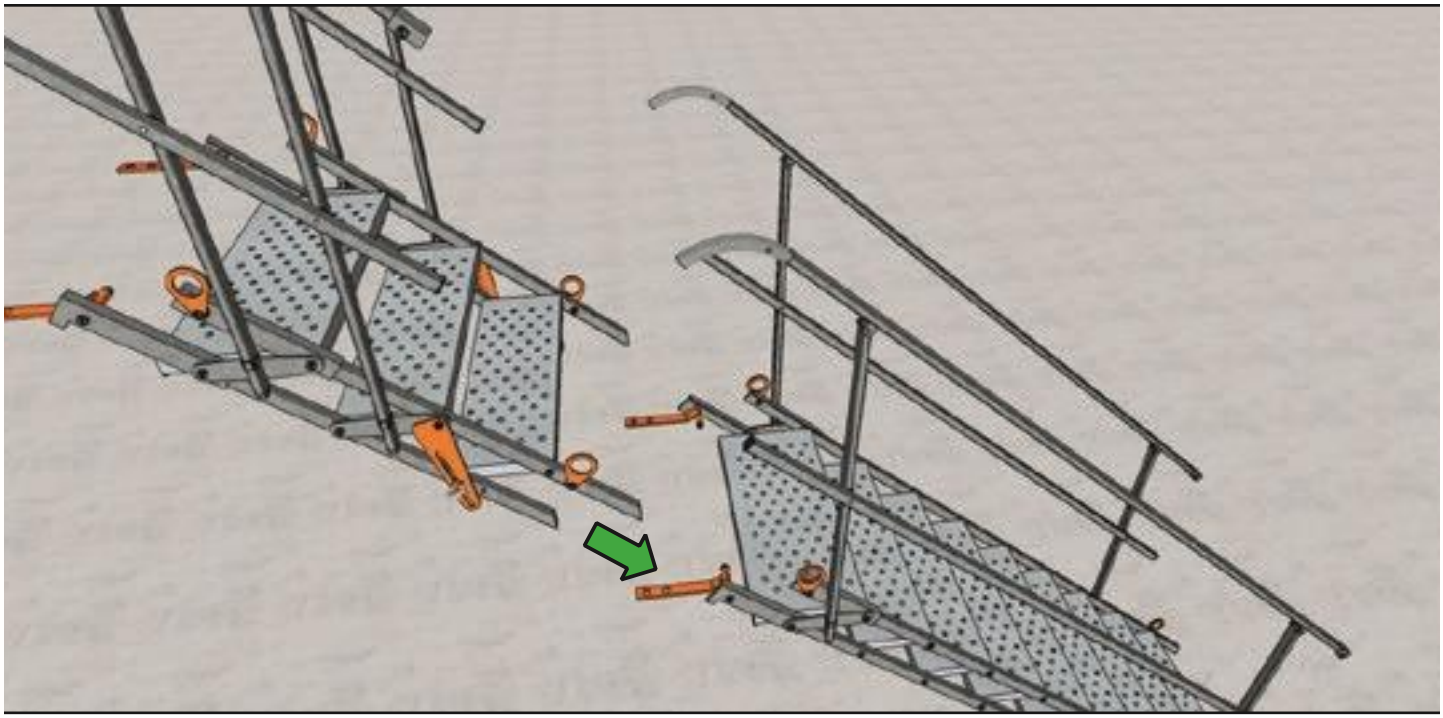
Connecting the stairs

If 2 stairways are connected the horter one needs to be the upper one.
Couple a maximum of 2 steps self-supporting
A maximum of 21 steps may be coupled self-supporting
Always use a support from 15 to 21 steps
When using a stepladder on a slope, more than 21 steps may be coupled

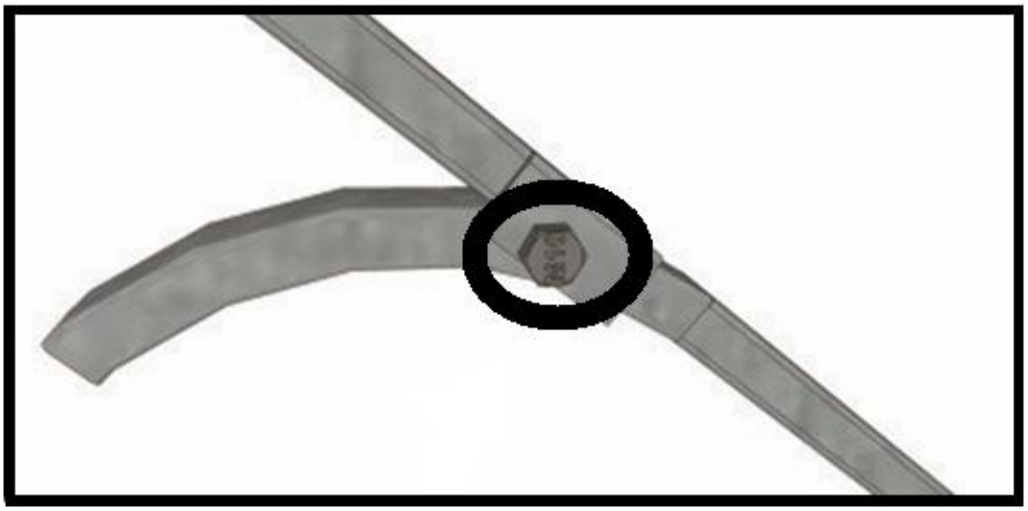








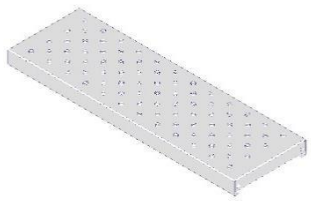
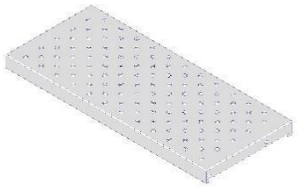
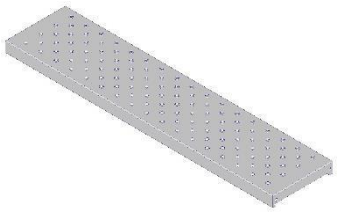
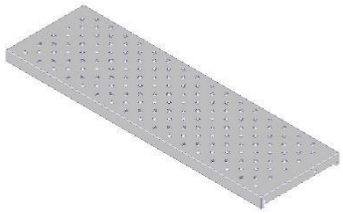
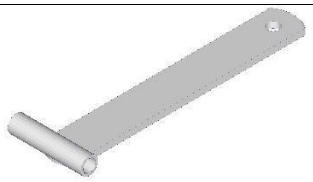
Connecting the railings

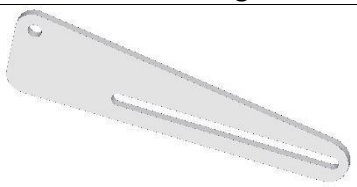
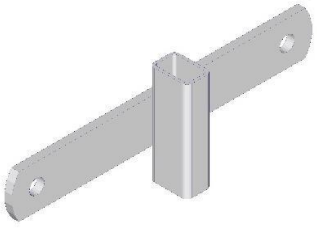
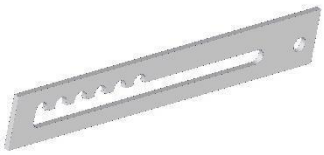
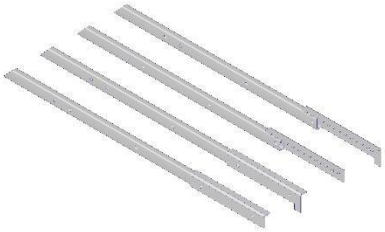


Connection of 2 stairways (self-supporting)	3 Steps stair	6 Steps stair	9 Steps stair	12 Steps stair	15 Steps stair	18 Steps stair
3 Steps stair					*	*
6 Steps stair					*	
9 Steps stair						
12 Steps stair						
15 Steps stair	*	*				
18 Steps stair	*					

	Self-supporting
*	Stairway support included
	Stairway support needed
	Maxi support needed

Parts

Description	Image
Step 225x700	
Step 305x700	
Step 225x1.000	
Step 305x1.000	
Scaffold Fix	
Slab Fix	
Crane Hook	

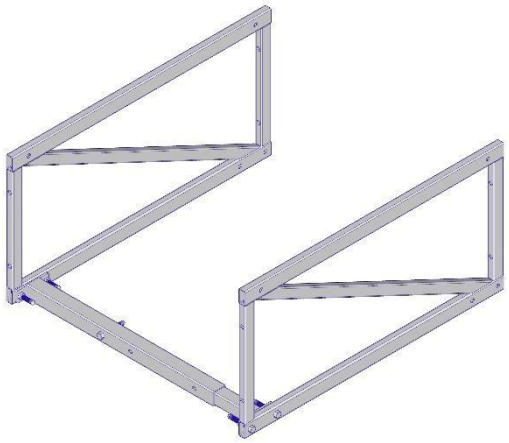
Omschrijving	Afbeelding
Lock 240x74	
Post Holder	
Crocodile	
Stairway support 700	
Stairway support 1.000	
Side beams for stairway (set van 4 pieces)	
Handrail	

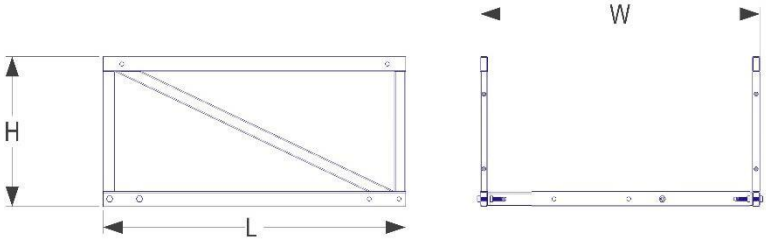
Easy Stairs
NEXT LEVEL SAFETY

Maxi Support

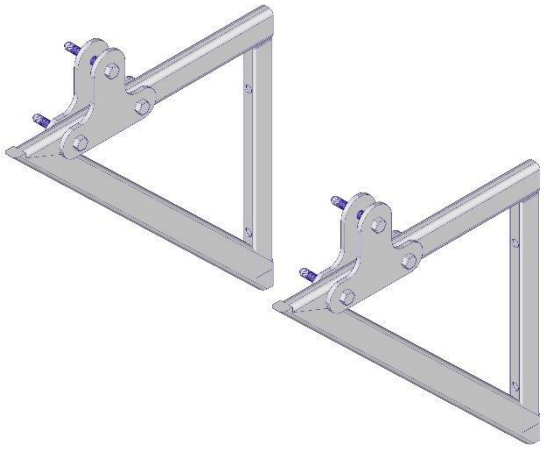
Maxi Support

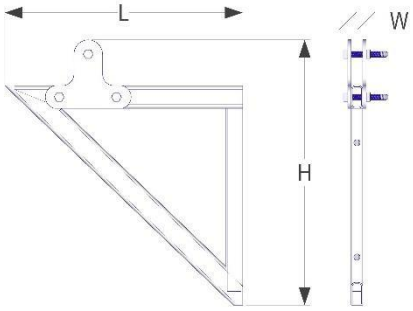
Middle piece:
Length: 810 mm
Width: 750 / 1.050 mm
Height: 400 mm
Weight: 6,30 kg
Material: Galvanized steel



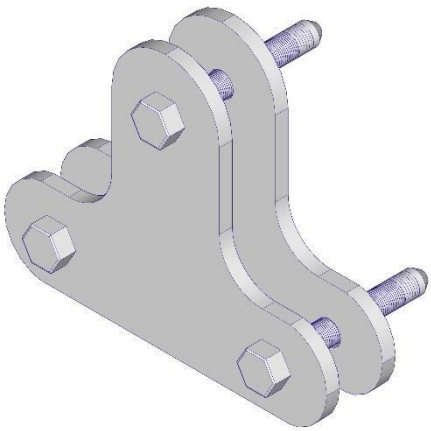


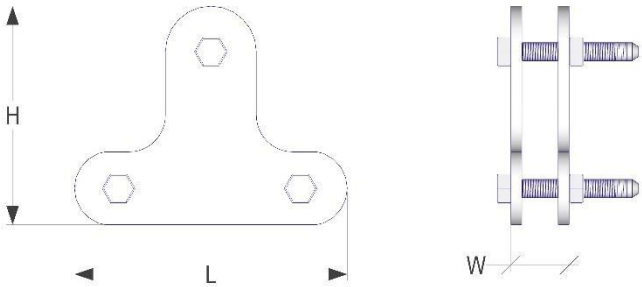
End piece:
Length: 416 mm
Width: 35 mm
Height: 400 mm
Weight: 13,50 kg
Material: Galvanized steel





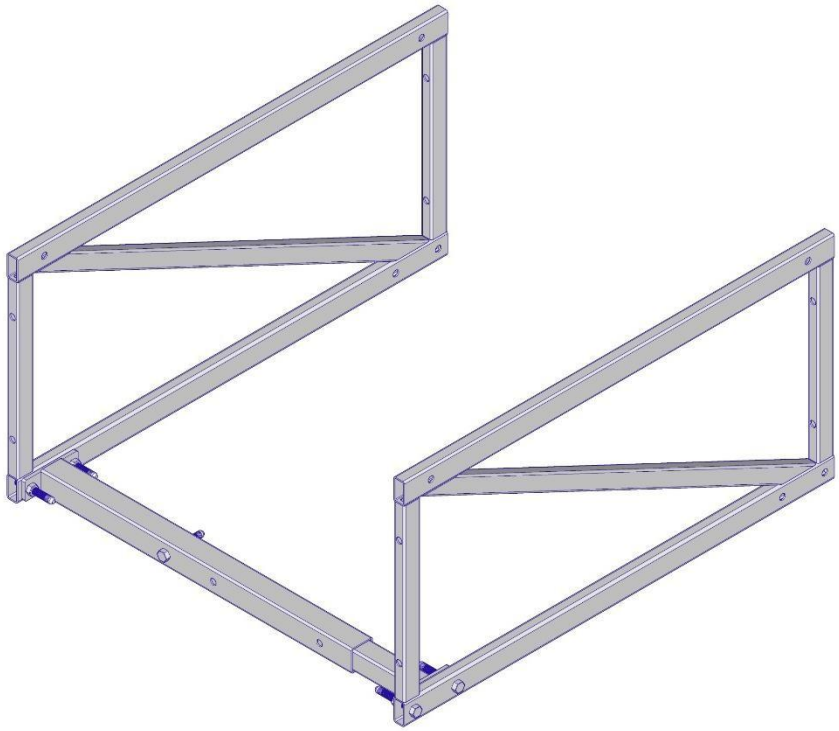
Connector:
Length: 150 mm
Width: 120 mm
Height: 35 mm
Weight: 1,10 kg
Material: Galvanized steel



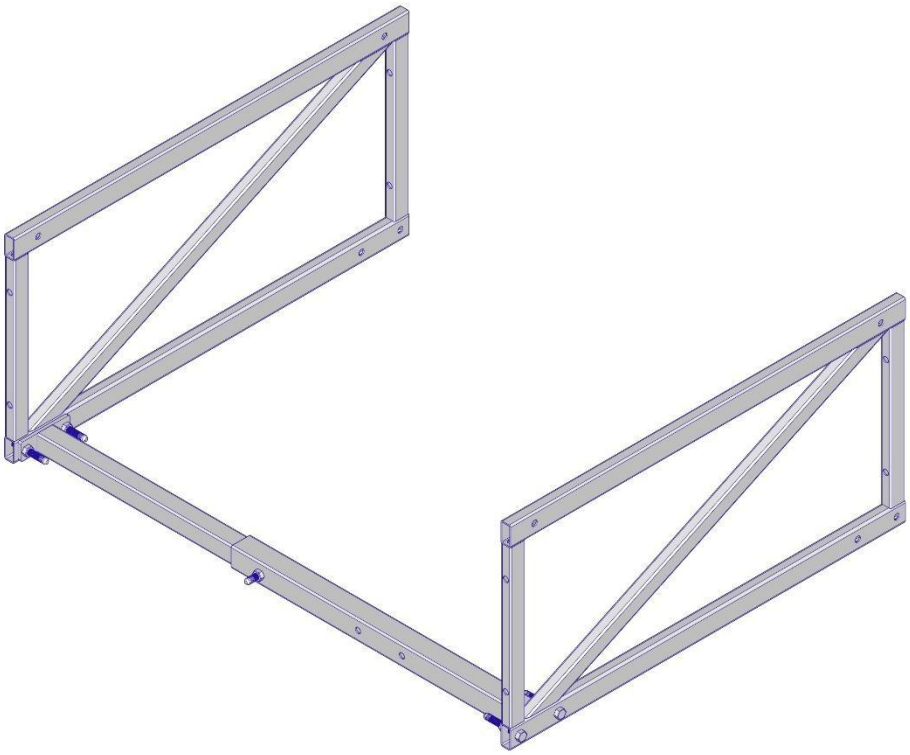


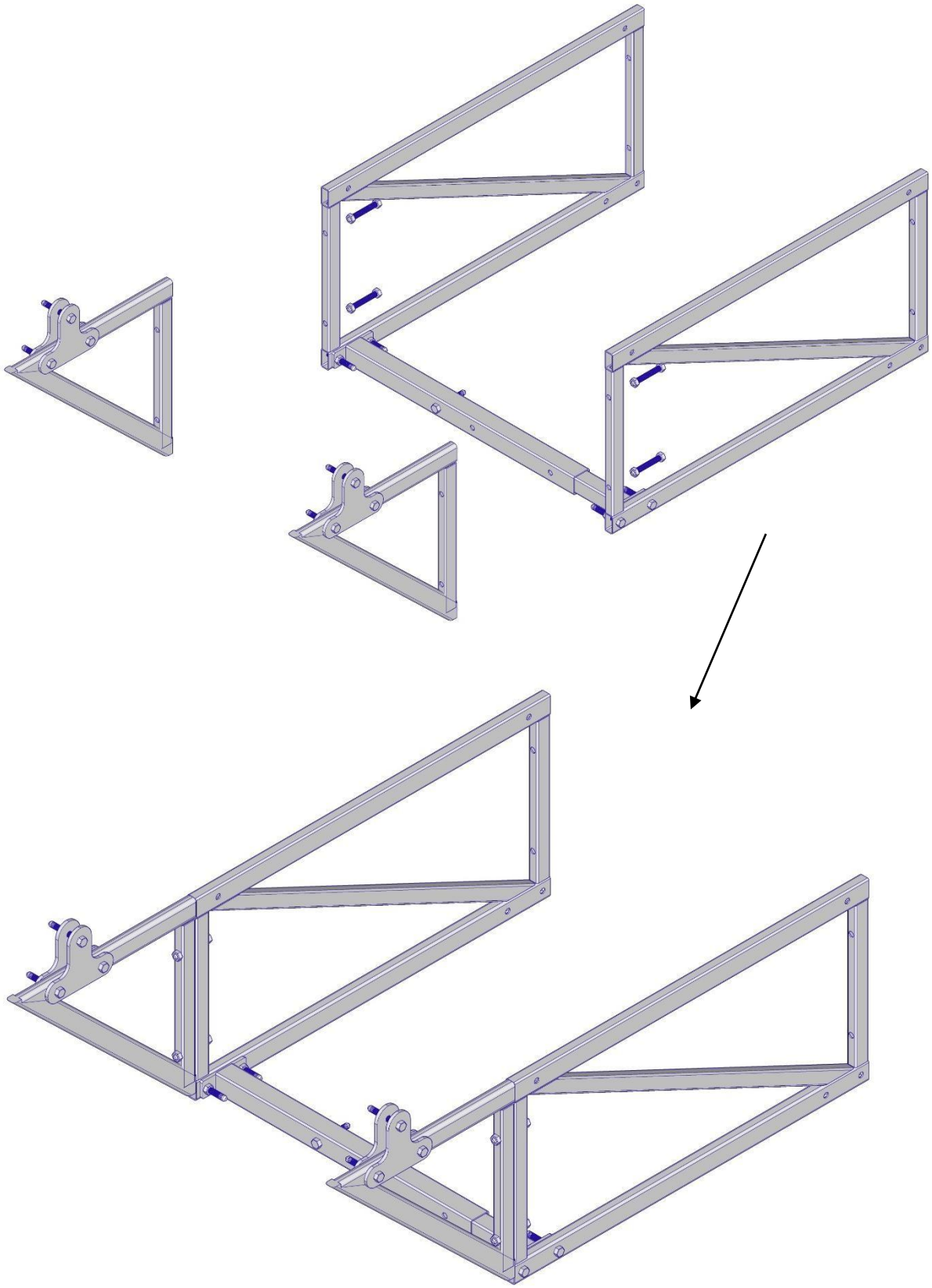
Assembly

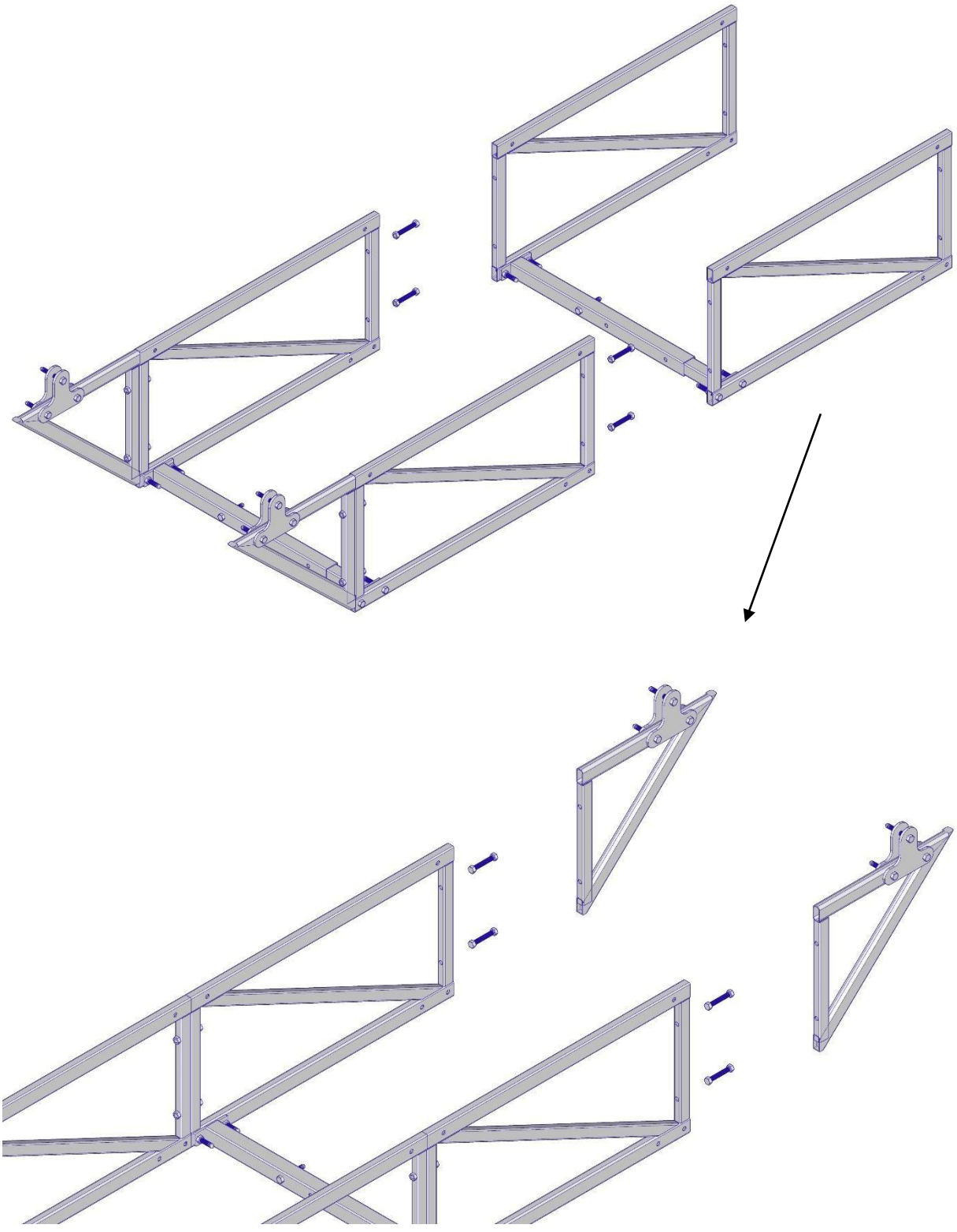
Widht 700 mm

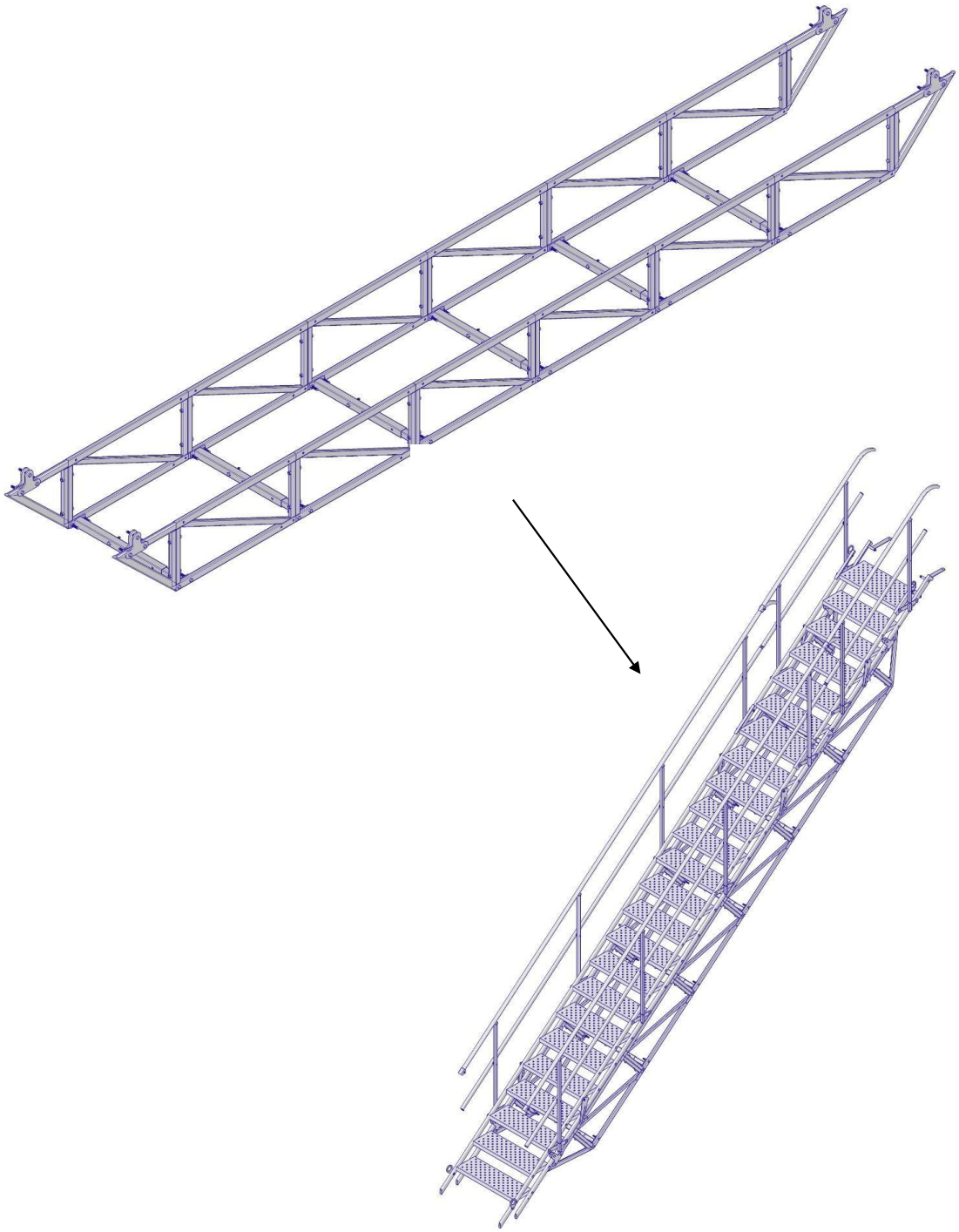


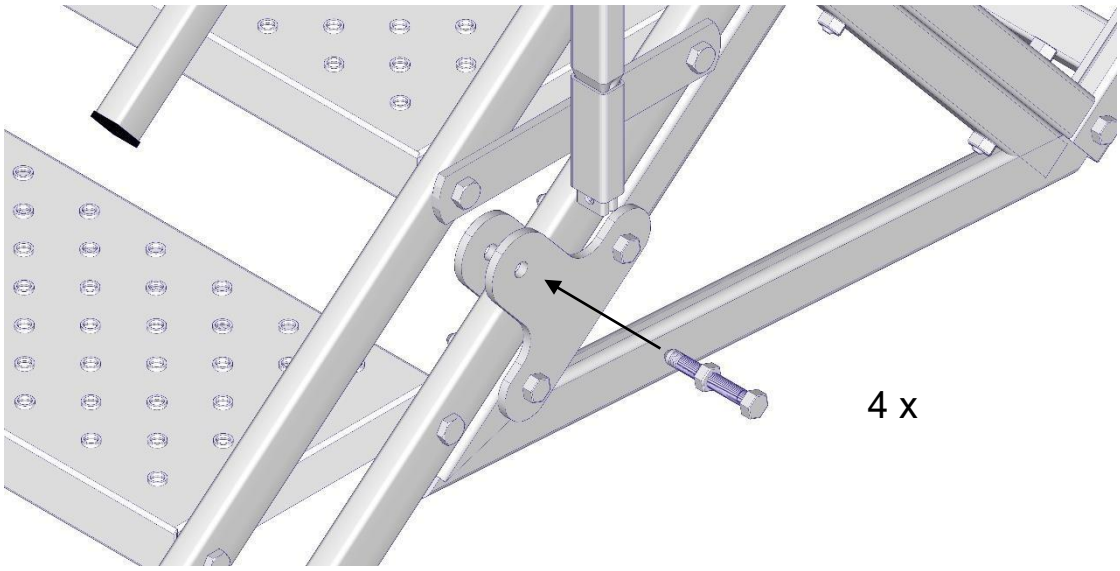
Width 1.000 mm

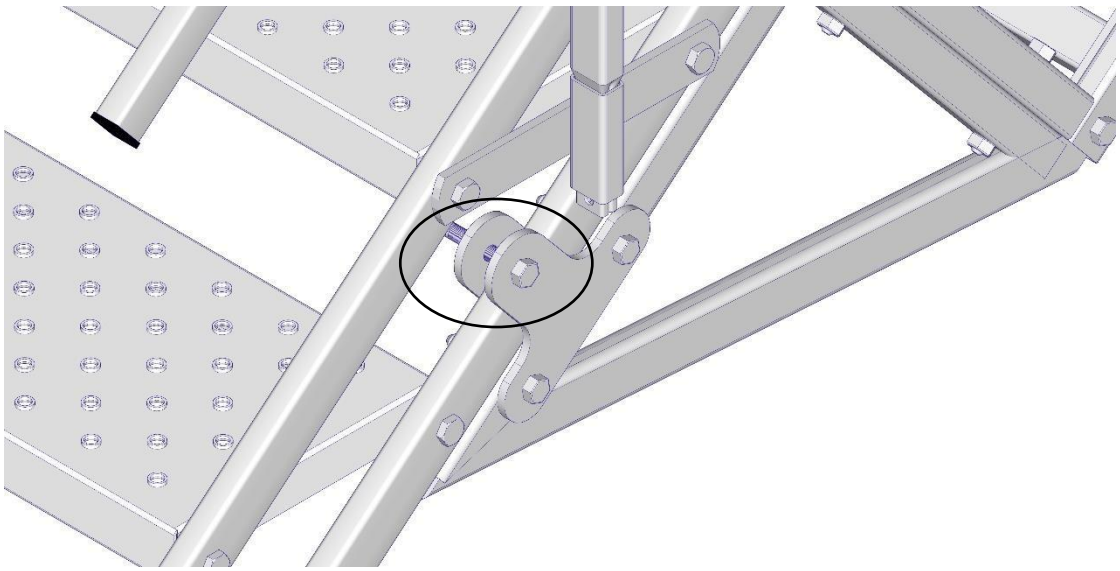


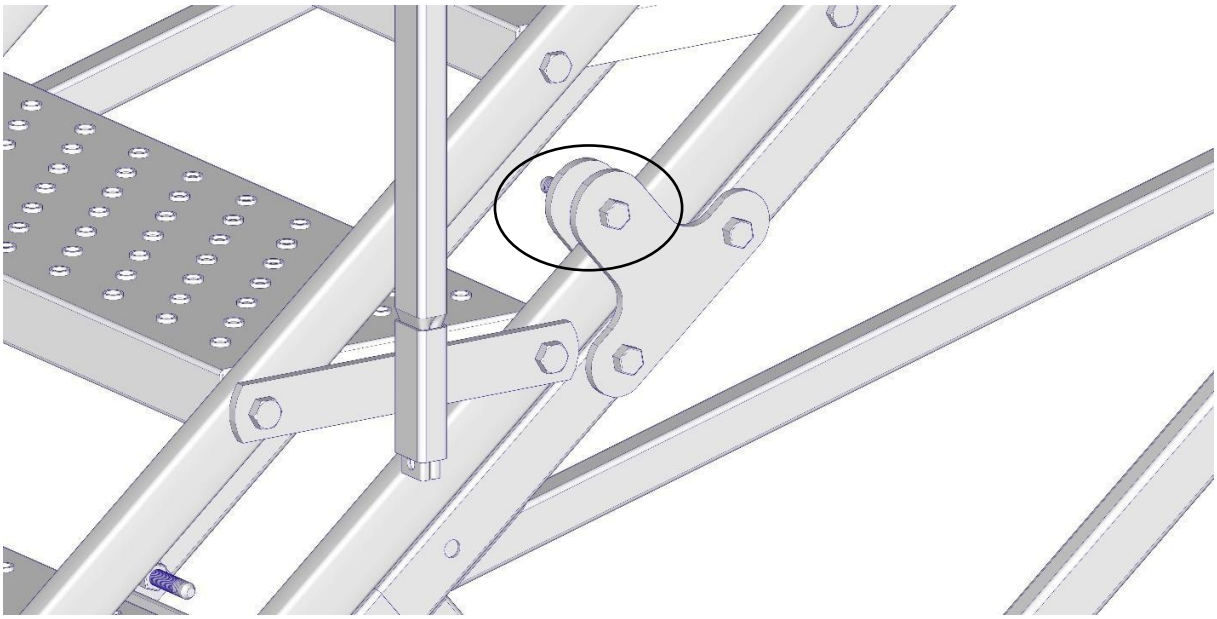


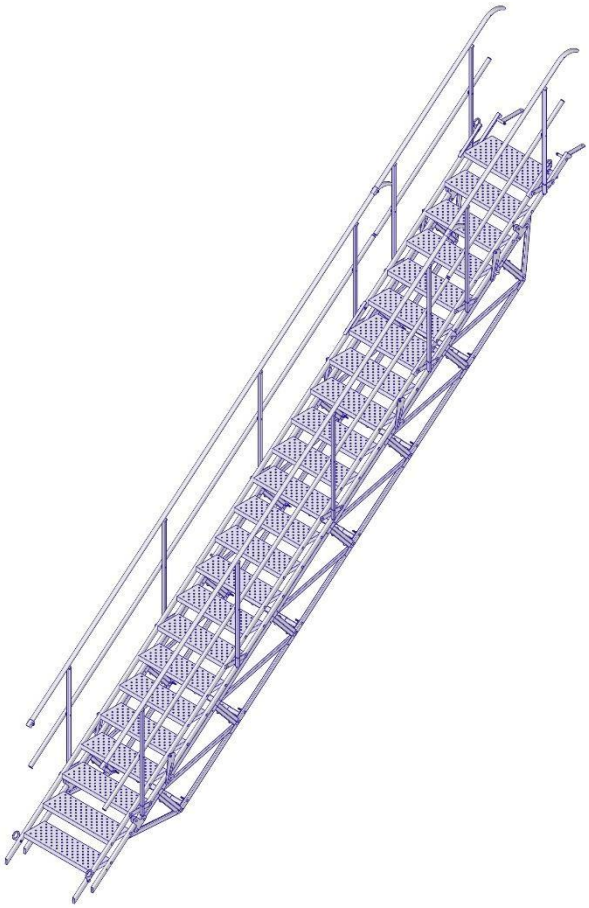




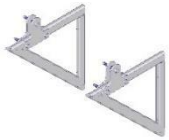
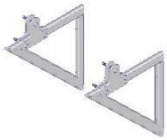
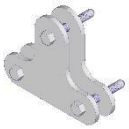

4 x







Parts

Number of steps	Stairway support 	End piece 	Middle piece 	End piece 	Connector 
15	1	-	-	-	-
18	1	-	-	-	-
21	1	-	-	-	-
24	-	1	6	1	2
27	-	1	7	1	2
30	-	1	8	1	2
33	-	1	9	1	4
36	-	1	10	1	4

Number of steps	Height	Distance
21	2.900 – 4.700 mm	3.300 – 5.000 mm
24	3.400 – 5.550 mm	3.900 – 5.800 mm
27	3.750 – 6.150 mm	4.300 – 6.500 mm
30	4.200 – 6.750 mm	4.800 – 7.100 mm
33	4.600 – 7.400 mm	5.300 – 7.900 mm
36	5.000 – 8.100 mm	5.700 – 8.600 mm

General Safety

All EasyStairs products must be installed by a correctly instructed and experienced person. For this purpose, we strongly recommend appropriate training by EasyStairs experts.

In the event of significant load impact (possibly with deformation of the structure), all components must be inspected and removed from service by qualified personnel. If needed, everything impacted should be disposed of immediately in a professional manner to avoid confusion. The remaining components must be repaired by qualified personnel in consultation with EasyStairs or else also disposed of.

Correct and damage-free assembly must be checked every time the system is mounted, every time it is rearranged and at regular intervals in the meantime. EasyStairs suggests weekly intervals. If installed Stairways were exposed to dirt, snow etc. it is mandatory to clean the Stairways immediately as any residues could affect safety.

The wearing of personal protective and safety equipment during assembly, rearranging and disassembly is mandatory. Do not assemble at the slab edge or in situations where there is a potential danger of falling or other potential dangers without personal protective and safety equipment.

- Always use personal safety and fall arrest equipment when there is a risk of falling or other risks during assembly of EasyStairs Stairways
- Check all products before use. If damaged, the components must be inspected by a qualified person and if needed disposed of. Contact EasyStairs in the event of uncertainty!
- Do not use damaged, overly bended, or rusty material as this can affect safety!
- Mixing different products from different systems is not recommended!
- Make sure to always mount the EasyStairs products according to the current Component Data Sheets and this User Manual!

The wearing of personal protective and safety equipment during assembly, rearranging and disassembly is mandatory. Do not assemble at the slab edge without personal protective and safety equipment. The personnel doing the installations always need to pay attention to their surroundings and always have their own safety as well as the safety of other workforce in mind. Nobody should expose themselves to unnecessary and unpredictable risk.

Inspection & maintenance

Checklist:
The workforce installing the Stairways should check the components before use and during assembly. Damaged, deformed or otherwise impaired components should never be used as this could affect the safety of the system.

The final inspection of the system should be carried out by a trained and competent person once the installation is finished using the following checklist:

- Is the Stairway used suitable for the given situation and application?
- Is the inclination of the Stairway between 30° and 55°?
- Is the underground which supports the Stairway suitable, meaning is it an even surface which is not too slippery?
- Is the underground which supports the Stairway of a condition that the Stairway will not sink into the ground significantly?
- Are the steps horizontal?
- Are all four side beams have contact with the ground?
- Are all bolts fixed correctly and tightend sufficiently?
- Is the Stairway sufficiently fixed through the slab attachment in order to guarantee a safe stand?
- Are no parts deformed or cracked or otherwise impaired in a way it could potentially affect safety?
- Is the maximum height not exceeded?
- Is the minimum height not exceeded?
- Are the handrails installed correctly, are the fixed within the handrail holders using at least one securing pun per handrail?
- Have dirt, snow etc. been removed from the Stairways in order to guarantee safe passage?
- Is everyone using the Stairway aware of the maximum load capacity?
- If Maxi Support is udes or if two stairways are connected, is everything fixed correctly and all bolts and nuts tightened correctly?

If any of these points must be answered with ‘No’ or if any of this points is questionable, the Stairway must be rearranged. If in doubt, please contact EasyStairs.

Damage report:
If Stairway components get deformed, damaged, lost or otherwise impaired during use, it must be reported at once to the responsible site manager and to the health and safety representative. Furthermore a Damage Report must be written and filed, showing the following data:

- Construction site & responsible company
- Date
- The person reporting
- Data of the site manager
- Discripton of the incident
- Images of the incident
- Counter measures that will be taken
- Signature of the person reporting and of the site manager

Regular inspection:
All Stairways must be inspected on a regular basis while in use. It is recommended to inspect the erected Stairways weekly. Furthermore it is recommended to file a inspection report each time showing the following data: construction site and responsible company, date, the person inspecting, data of the site manager and of the health and safety representative, description of the inspected edge protection, location on site of the inspected Stairways, images of the Stairways, if something is out of the required then description of which and then counter measures that will be taken or have been taken, signature of the person inspecting and of the site manager.

If Stairway components are damaged, deformed or otherwise impaired they must be replaced immediately by a trained and competent person.
If an immediate replacement cannot be done the part around the Stairway where a safety hazard has occurred must be blocked as long as the problem has not been fixed. Current regulations apply.