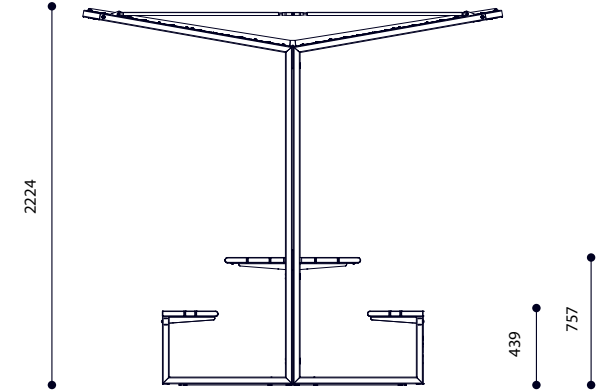
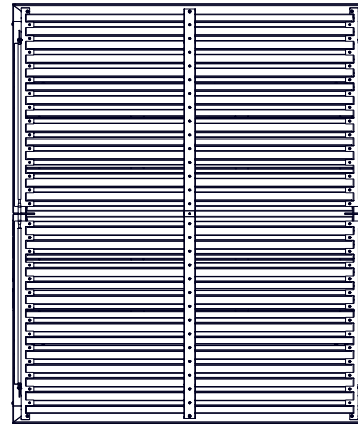
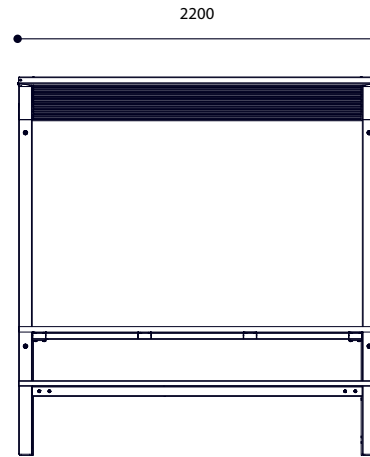
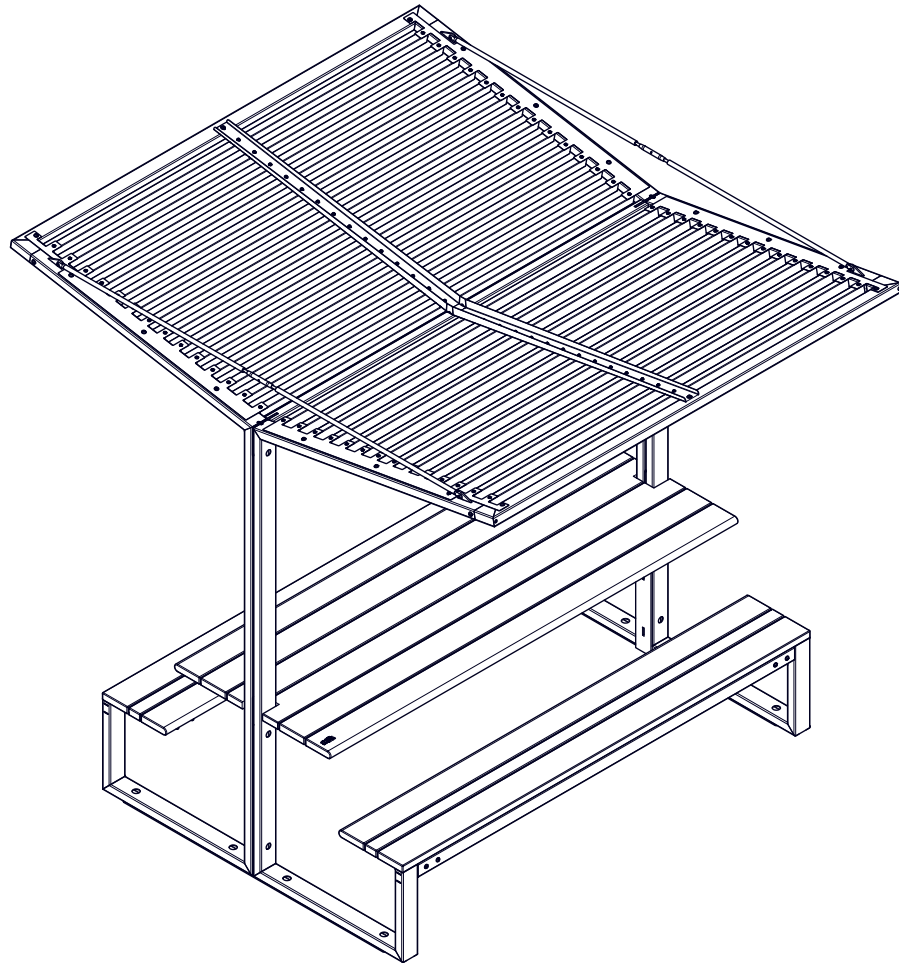
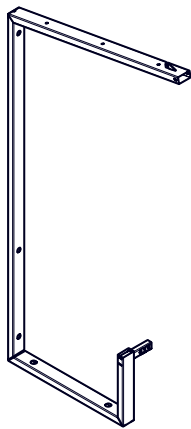


PICNIC TABLE CISON

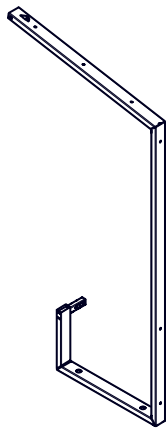
Dimensions



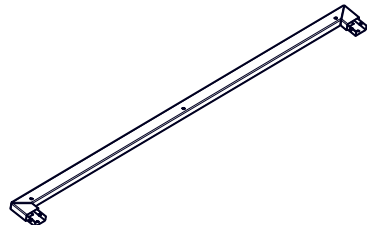
List of components



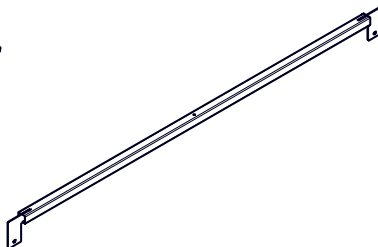
Strut A
pz 2



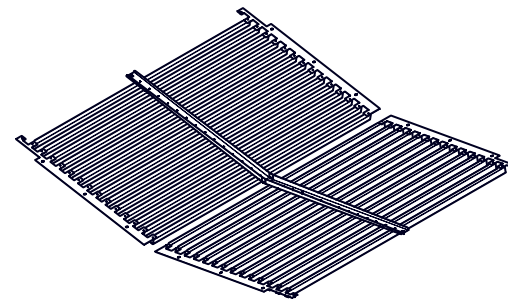
Strut B
pz 2



External bar
pz 2



Upper bar
pz 1



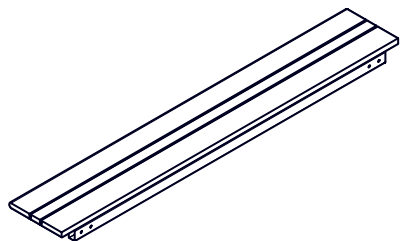
Cover
pz 1



Tie rod A
pz 2



Tie rod B
pz 2



Assembled seat
pz 2

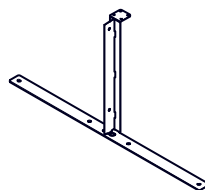
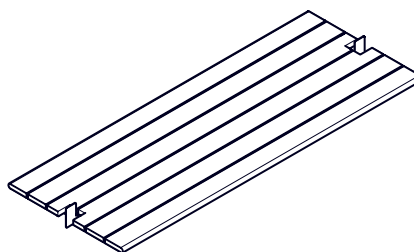


Table support
pz 2



Assembled table
pz 1



Turnbuckle
pz 2



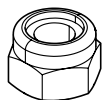
Slit pin
pz 4



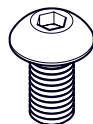
Hex head screw M10x30
pz 6



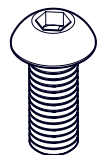
Flat washer M10
pz 12



Self-locking nut M10
pz 6



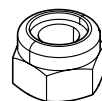
M5x10
pz 1



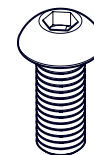
Button head screw M8x20
pz24



Flat washer M8
pz 12



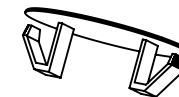
Self-locking nut M8
pz 8



Button head screw M8x60
pz 8



Flat washer M8
pz 48

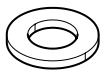


Plug
pz 8

Fixing kit



Threaded rod M12 x 190
pz 8

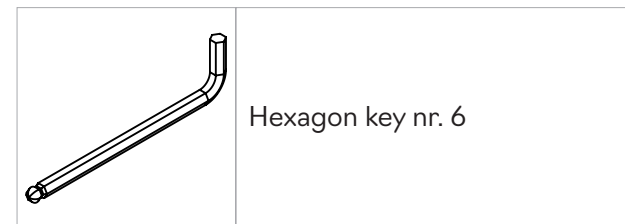
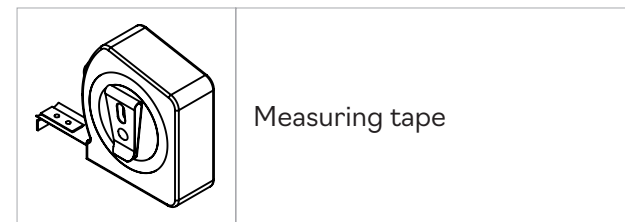
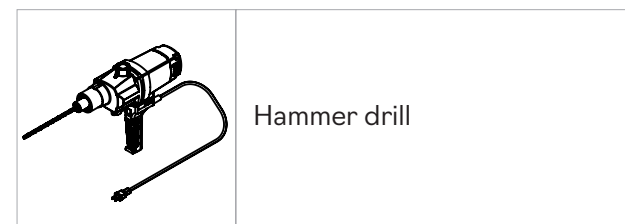
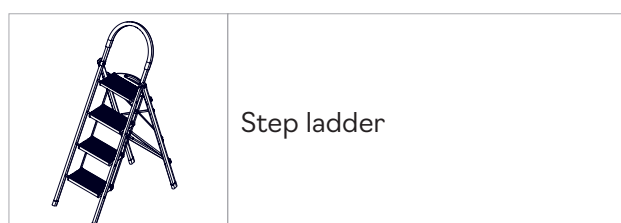
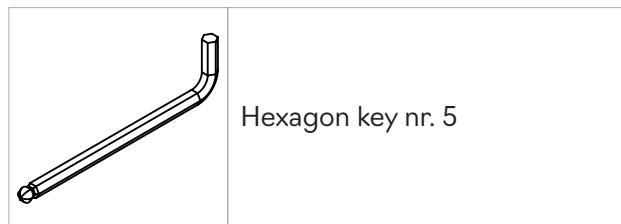
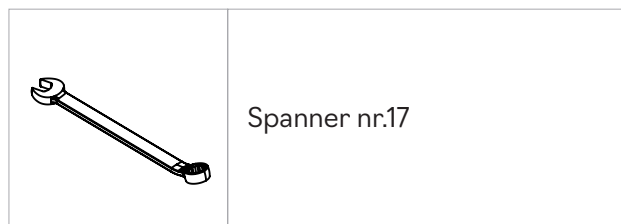
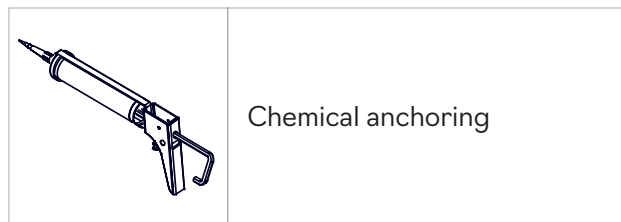
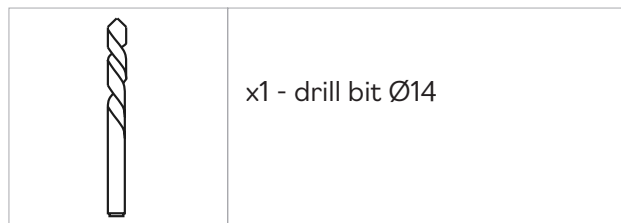
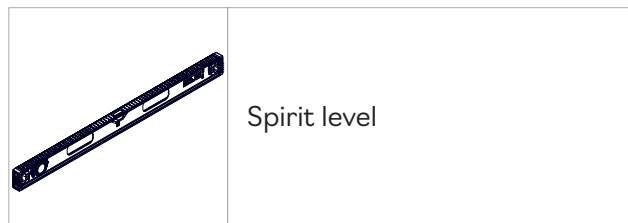
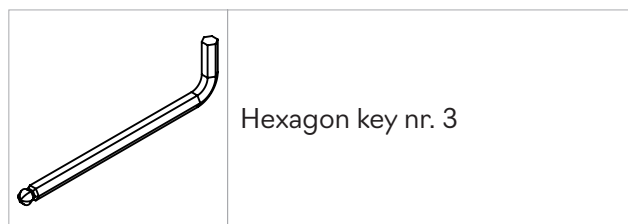
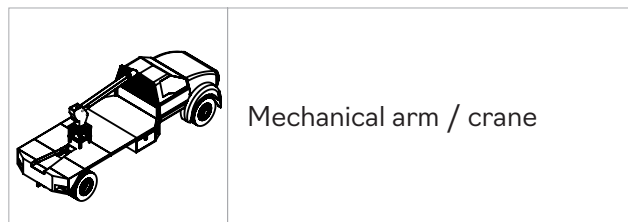


Washer M12
pz 8



Nut M12
pz 8

Preparation



Index of steps

- 1** Foundations
- 2** Hole preparation
- 3** Table assembly
- 4** Strut-table-seats assembly
- 5** Ground fixing
- 6** External-upper bar assembly
- 7** Cover assembly
- 8** Tie rod assembly

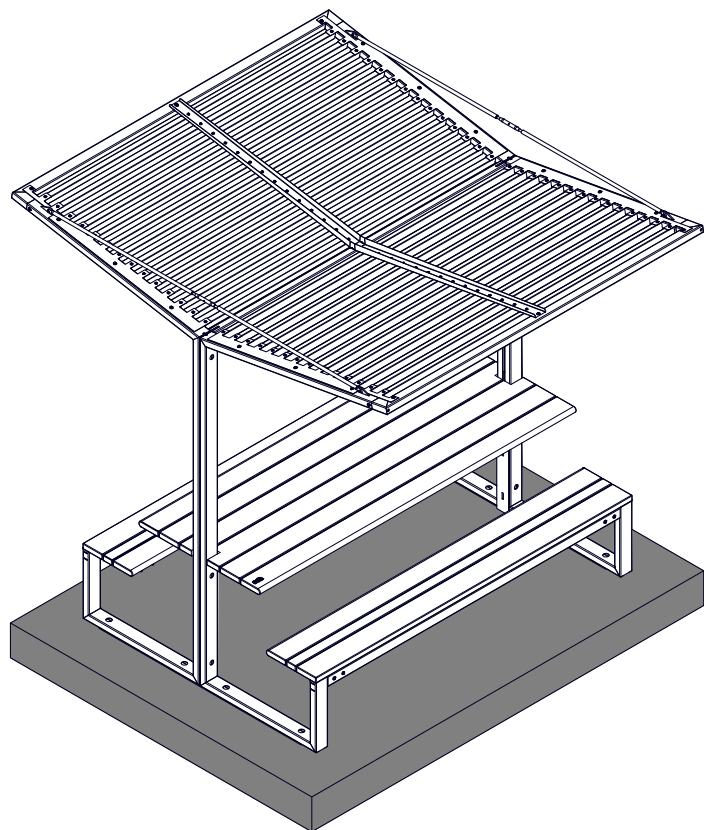
General Instructions

ENG



- The recommended foundation diagram is attached to the structural calculation report.
- All the images in this document are for illustrative purposes only and have been included to help the operators carry out the assembly of the CISON picnic table.
- Perform the work wearing the required PPE (Personal Protective Equipment).
- For further information please contact Metalco S.r.l.:
 - Email: info@metalco.it;
 - Tel. +39 0423 7863;

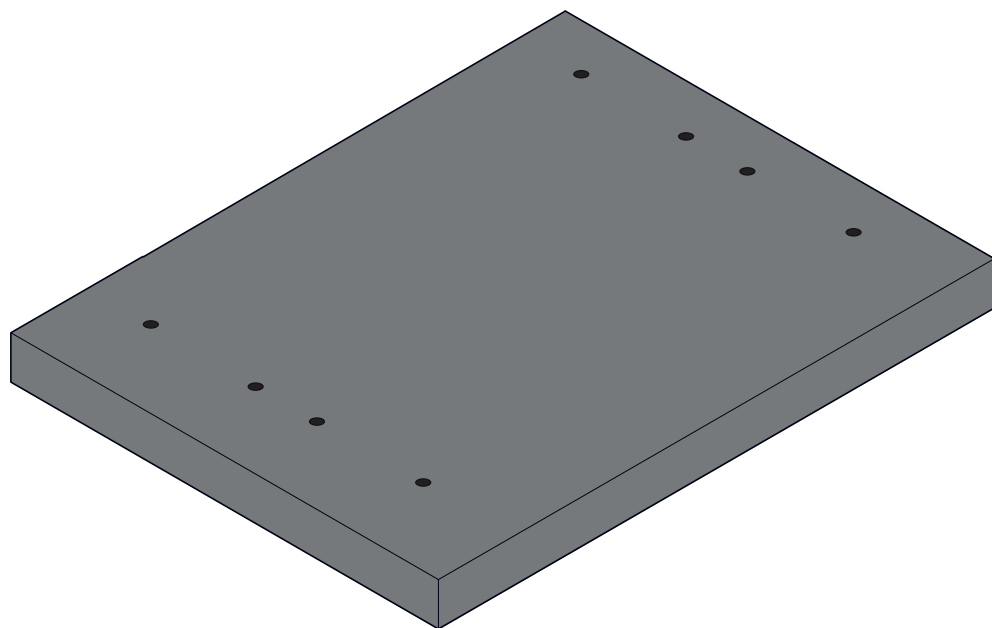
CISON



For further details regarding the composition and the measurements please refer to the attached documents:

- Fondazioni CISON.pdf

2 Hole preparation



Components for the step

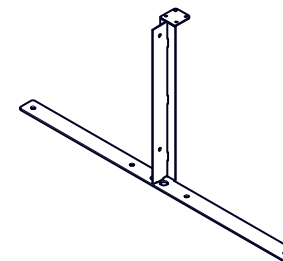
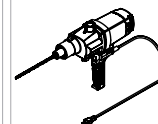
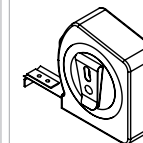


Table support
pz 2

Preparations for the step



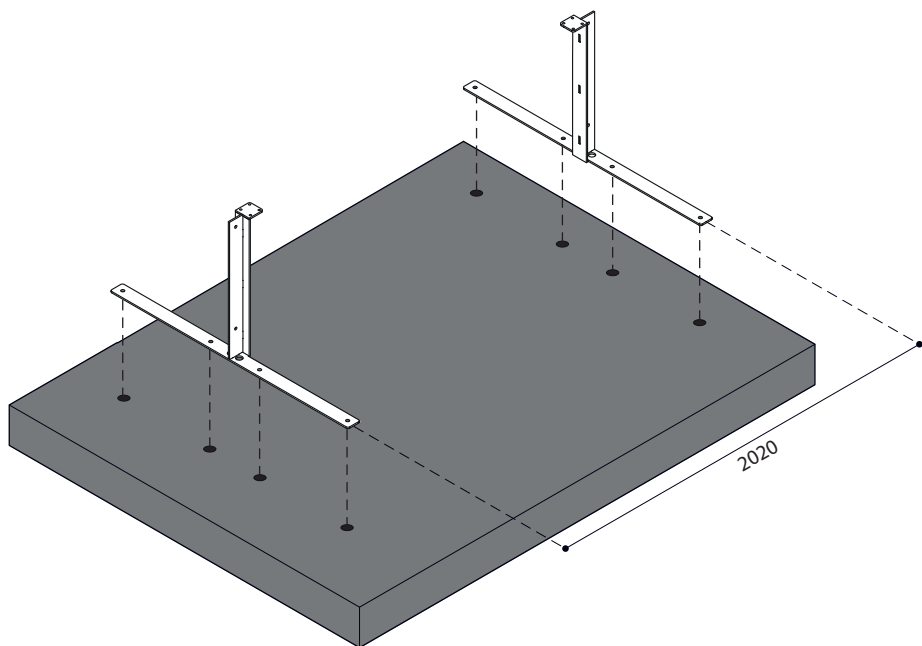
Hammer drill



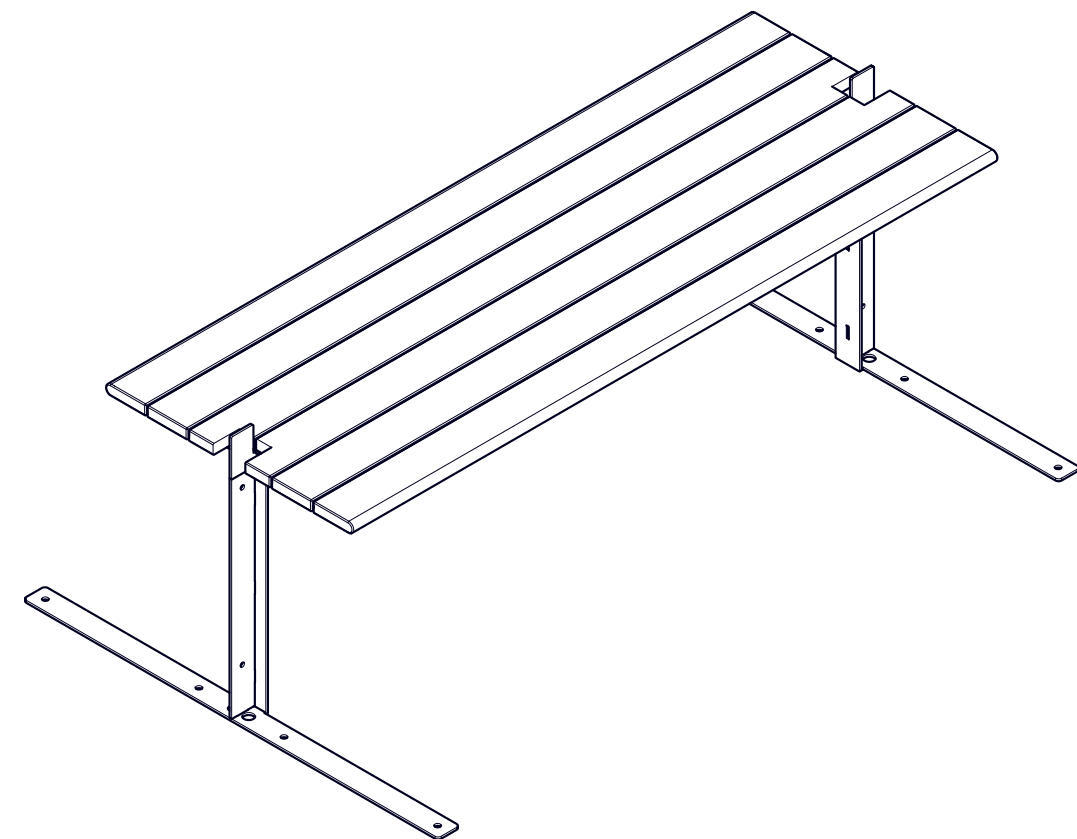
Measuring tape



x1 - drill bit Ø14



1. Following the indications on the foundation plan, align the table supports according to the characteristics of the foundation. Use a measuring tape to accurately follow the measurements.
2. Mark the holes with the help of the table supports.
3. Remove the supports and drill the holes. Use a $\varnothing 14$ mm drill bit to drill the holes.



3 Table assembly

Components for the step

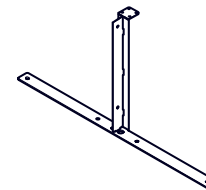
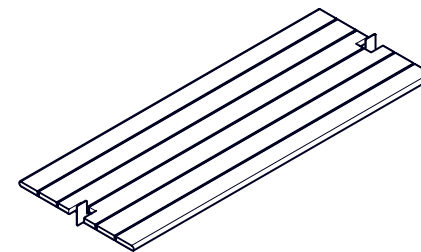


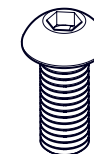
Table
support
pz 2



Assembled
table
pz 1

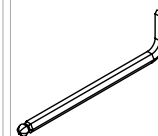


Washer M8
pz 8

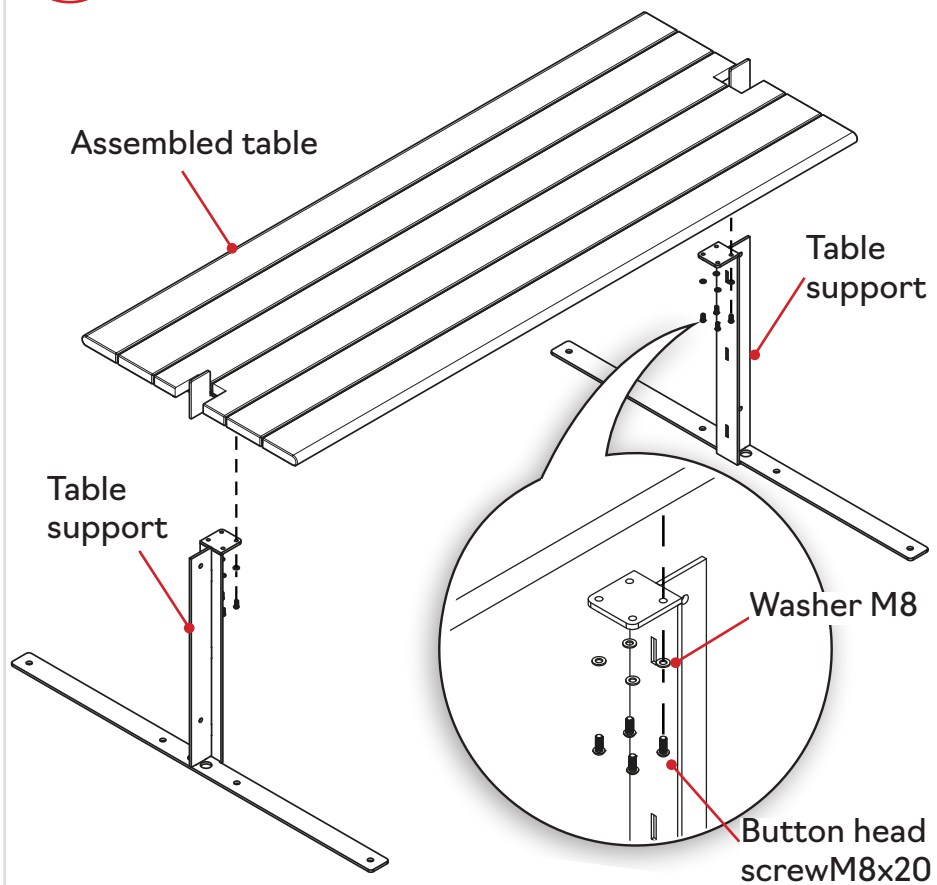


Button head
screw M8x20
pz 8

Preparations for the step



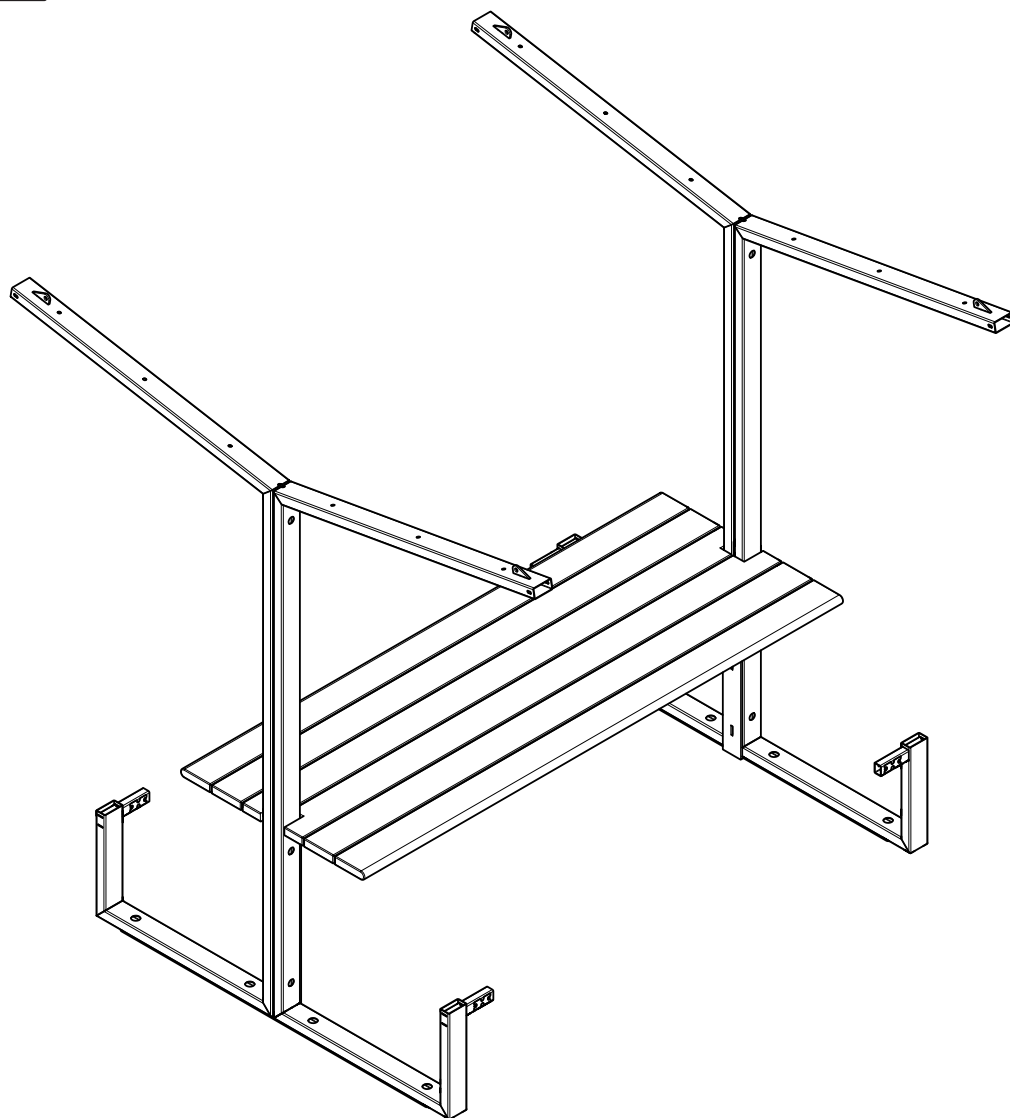
hexagon keynr. 5



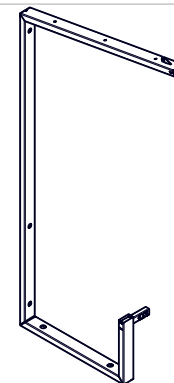
1. Place the assembled table on the two table supports, making sure to align the holes on the sides of the table with those of the supports.
2. Once the holes are aligned, hold the components in place and secure the assembled table to the table supports with nr. 8 M8 washers and nr. 8 M8x20 screws. For this activity use a hexagon key nr. 5.

4

Strut-table-seats assembly



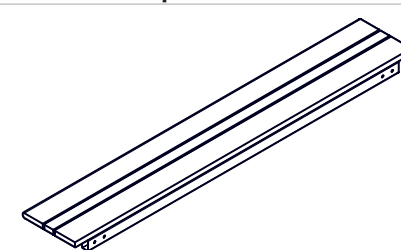
Components for the step



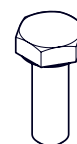
Strut A
pz 2



Strut B
pz 2



Assembled
seat
pz 2



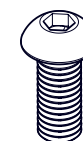
Hex head screw
M10x30
pz 4



Washer M10
pz 8



Self-locking nut
M10
pz 4



Button head
screw M8x60
pz 8

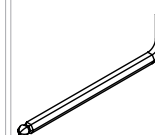


washer M8
pz 16

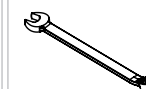


Self-locking nut
M8
pz 8

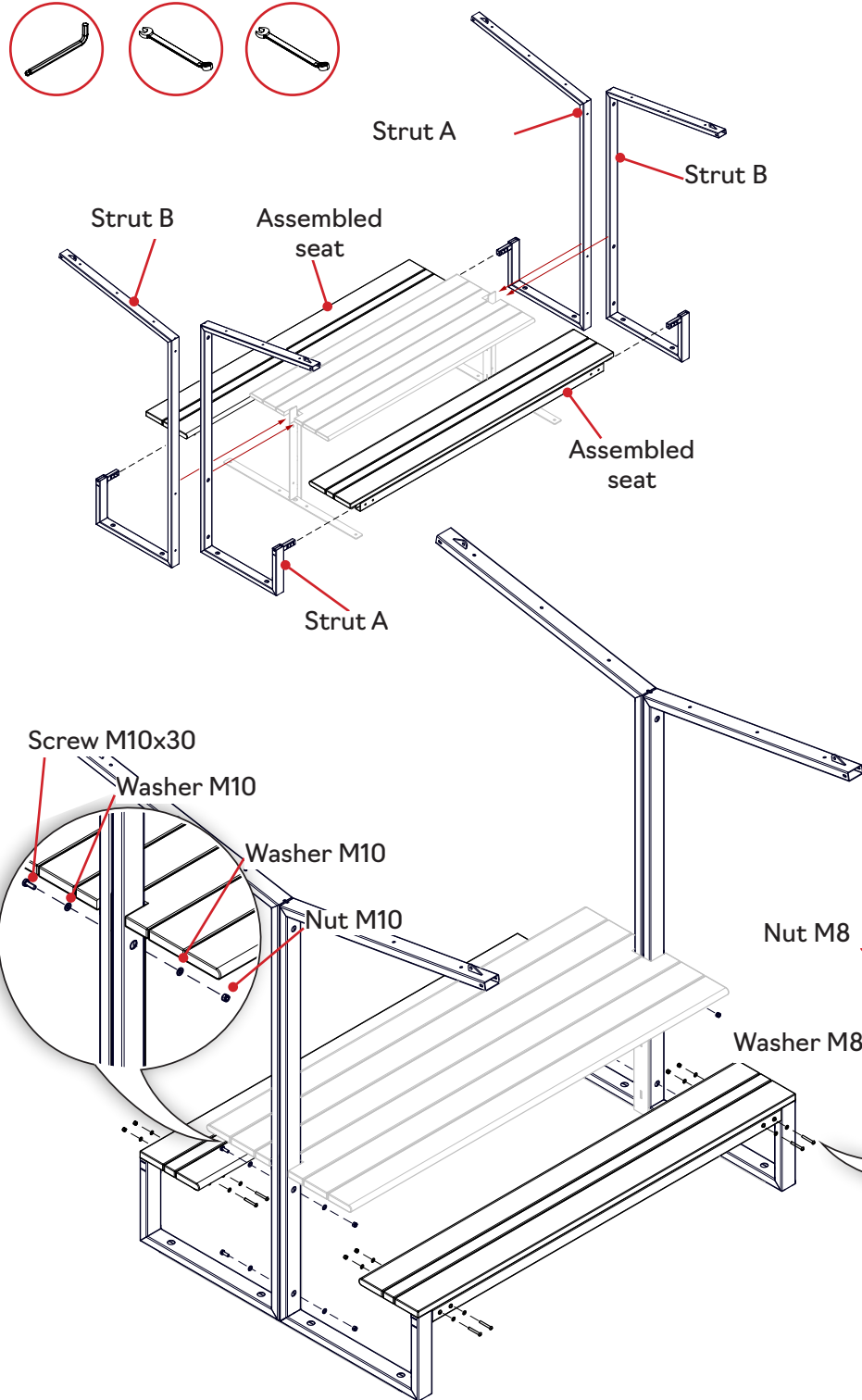
Preparations for the step



Hexagon key nr. 5-6



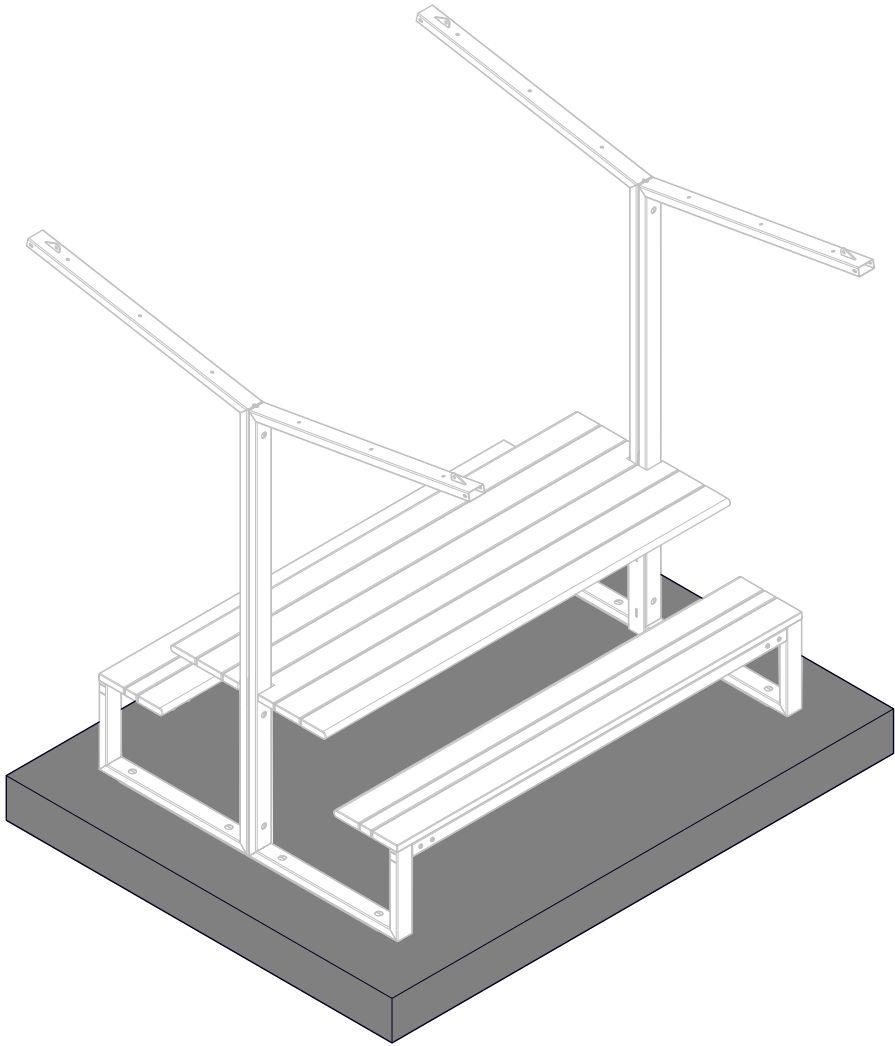
Spanner nr. 16-17






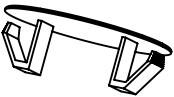
1. Fix an A and B strut on one side of the assembled table using no. 4 M10x30 screws, nr. 8 M10 washers and nr. 4 M8 nuts. Use two spanners nr. 17
2. Mount the two assembled seats to the structure obtained, then proceed to mount the other two struts A and B on the opposite side using nr. 8 M8x60 screws, nr. 16 M8 washers and nr. 8 M8 nuts. In this case, equip yourself with a hexagon key no. 5 and a spanner nr. 16.

5

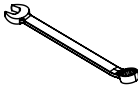
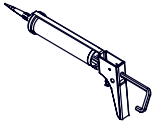
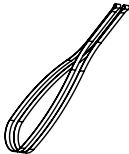
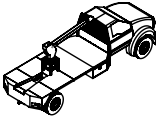
Ground fixing

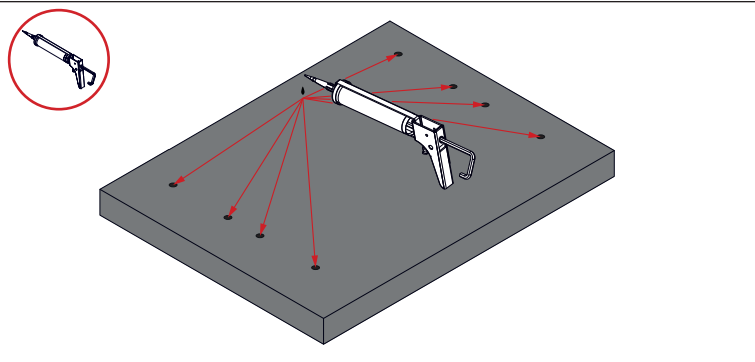


Components for the step

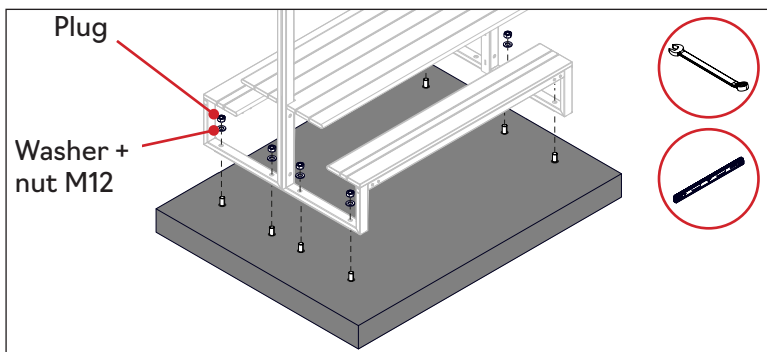
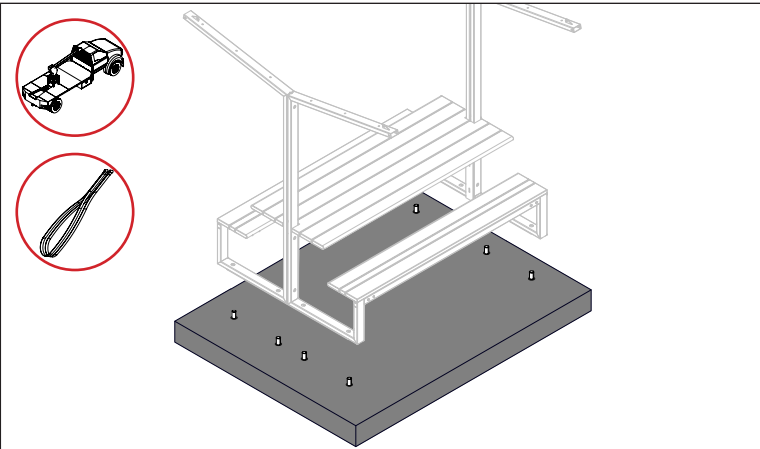
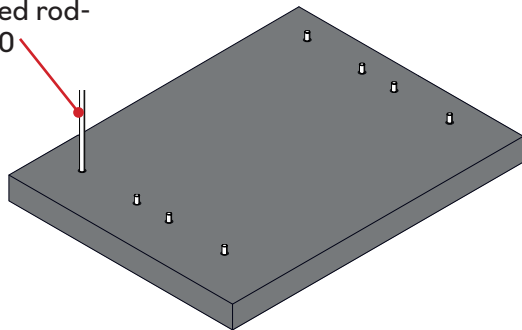
			
Threaded rod M12 x 190 pz 8	Washer M12 pz 8	Nut M12 pz 8	Plug pz 8

Preparations for the step

	Spanner nr. 19		Chemical anchoring
	Belts		Mechanical arm / crane

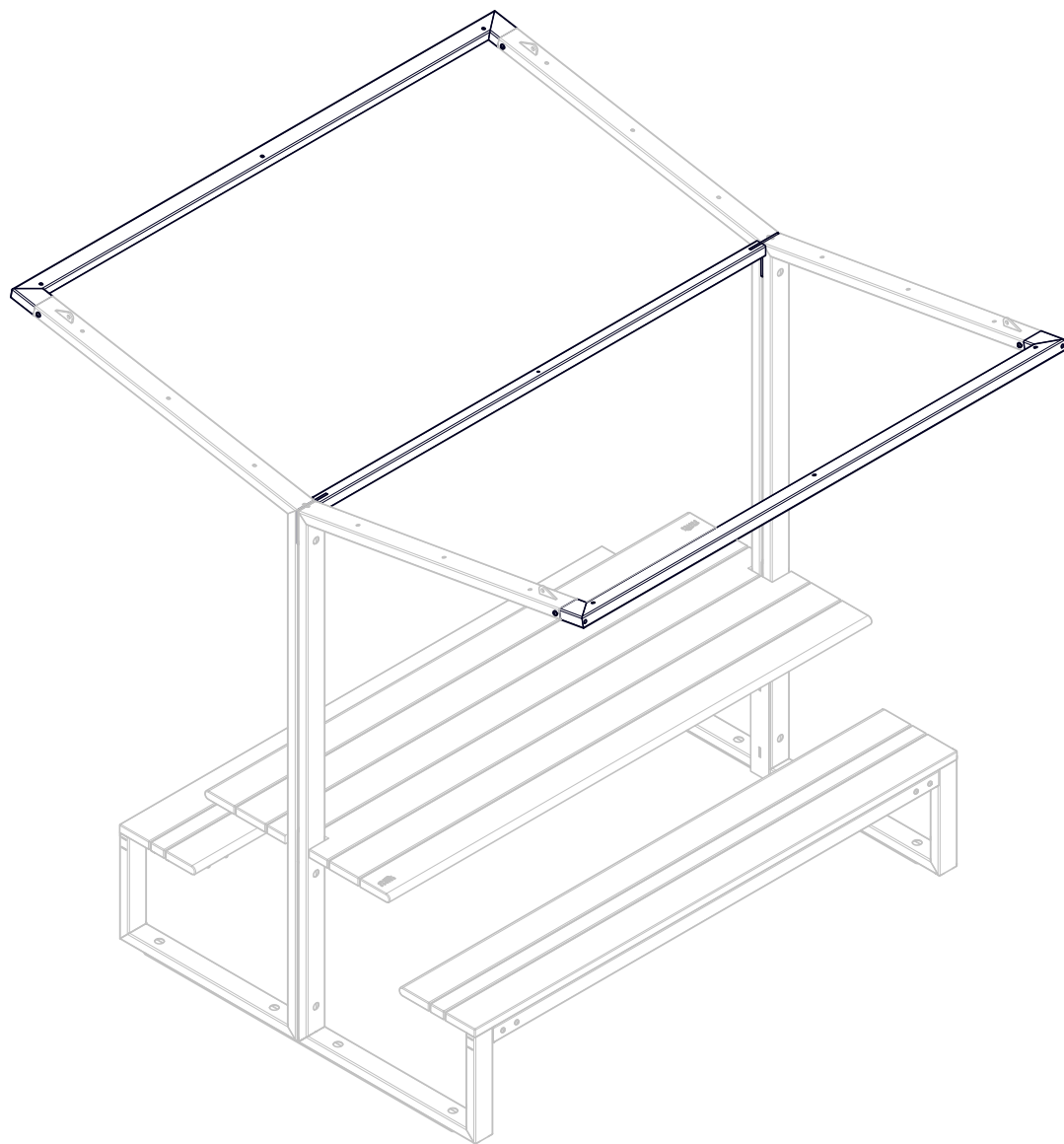


Threaded rod-
M12x190

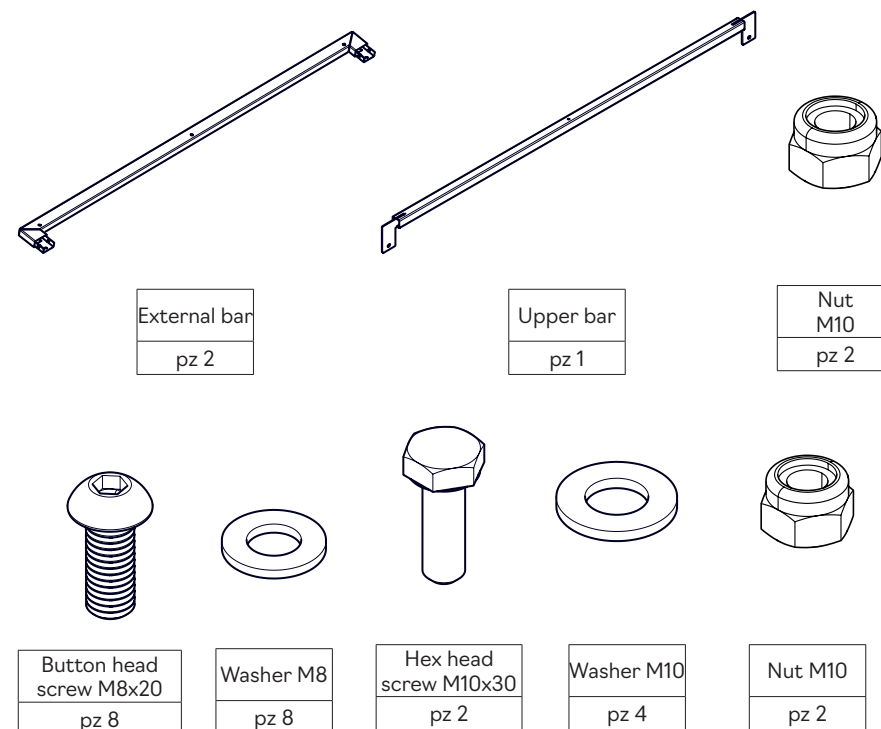


1. Pour some chemical anchor into the 8 holes where the structure will be aligned
2. Insert an M12 threaded rod per hole, checking that the rods protrude about 30 mm from the ground
3. Wait for the adhesive to solidify and then the bars are fixed.
4. Position the assembly, moving it with an elevator arm (crane), after having fixed it well with the straps. Be careful to align the threaded bars with the holes at the base of the assembly.
5. Apply nr. 8 M12 washers and screws, and nr. 8 nut M12, one washer and a nut for each of the threaded rods. Use a wrench nr. 19.
6. Insert one plug for each hole.

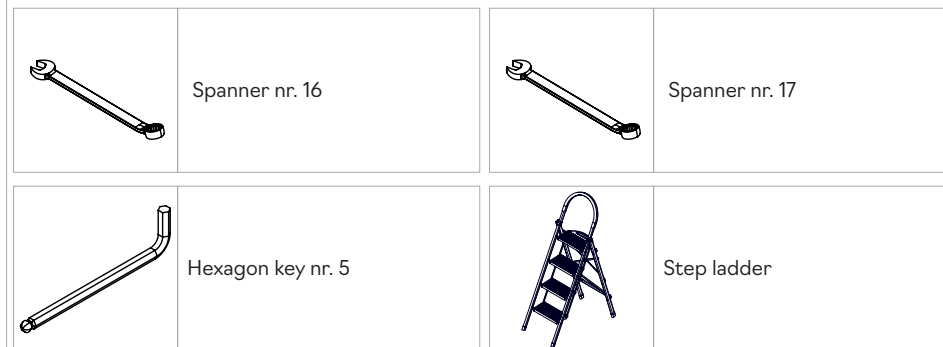
6 External-upper bar assembly

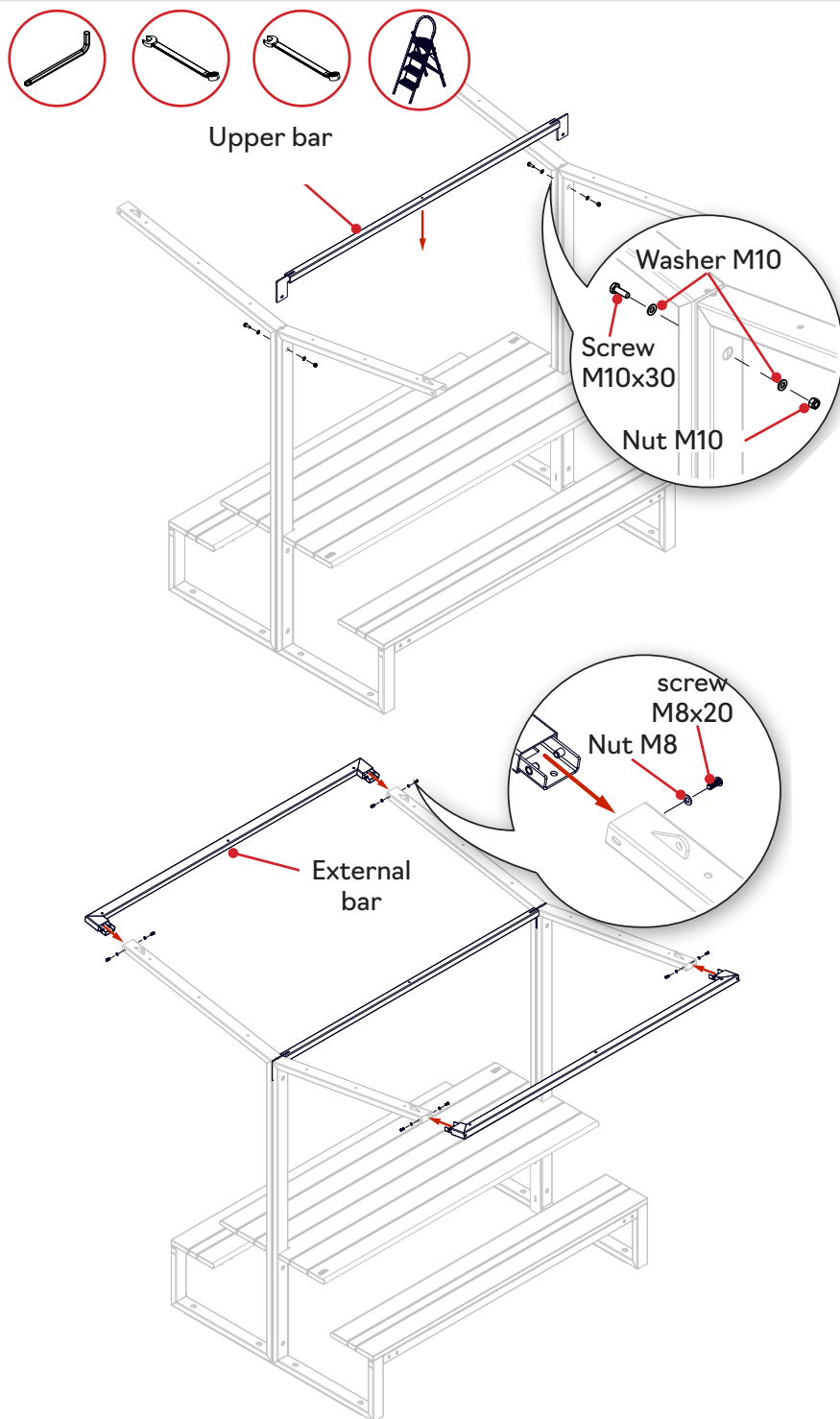


Components for the step



Preparations for the step

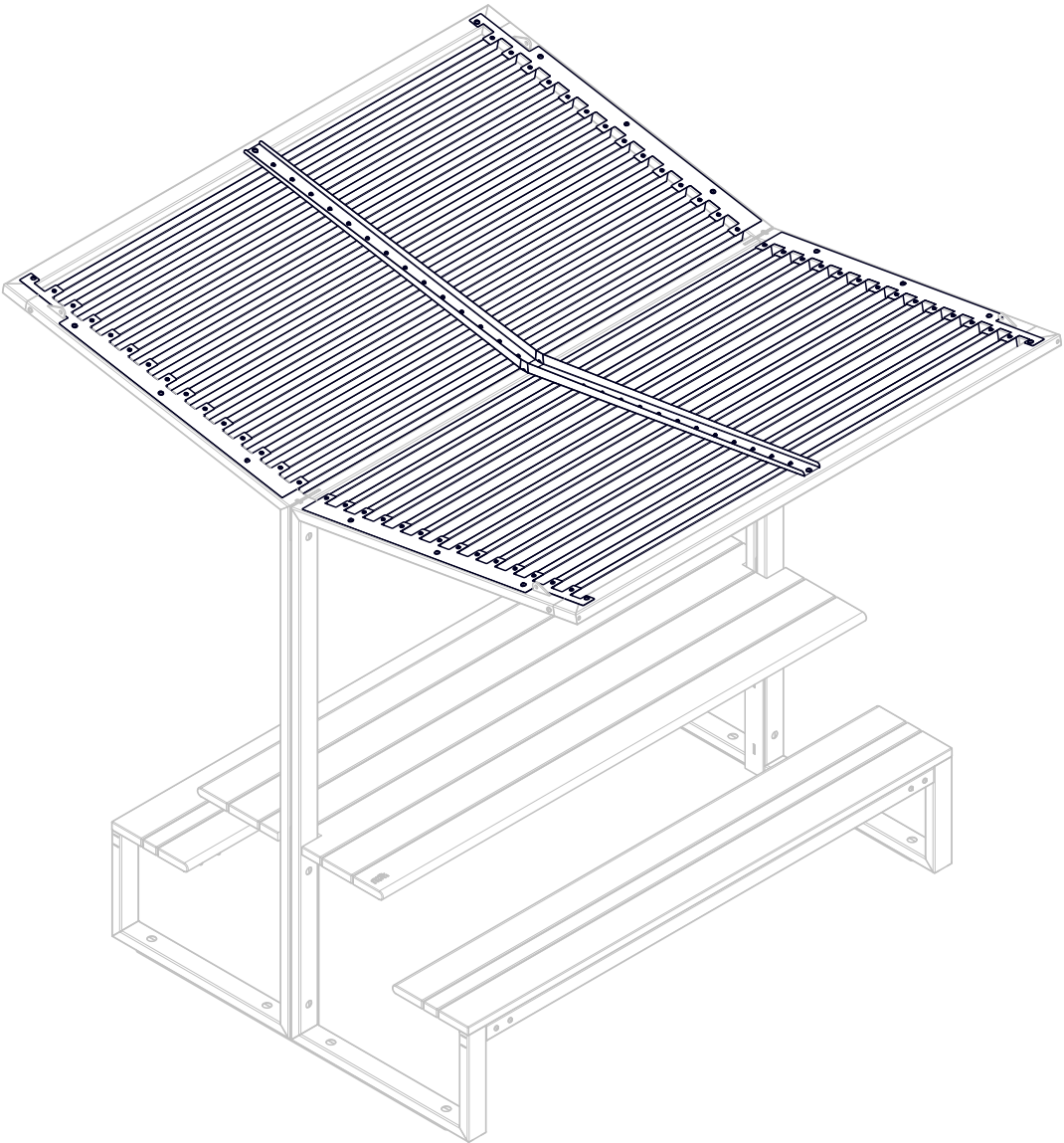




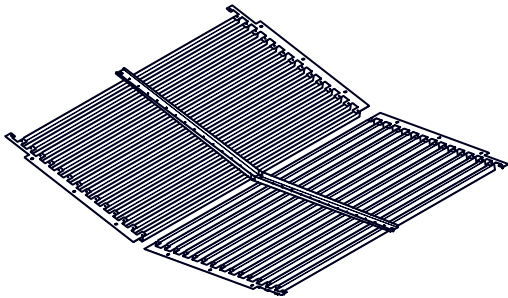
1. Take the external bars on the uprights, as indicated in graphics on the side, and fix them with nr. 4 M8x20 screws, Nr. 8 M8 washers and nr. 4 M8 nuts. Use a hexagon key nr. 5 and a wrench nr. 16 Help yourself with a ladder to move the bars
2. Position the upper bar by sliding the side tabs into the inlets between the uprights.
3. Fix the upper bar using nr. 2 M10x30 screws, nr. 4 M10 washers and nr. 2 M10 nuts, using two spanners nr. 17. Lower the bar from above using a ladder.

7

Cover assembly



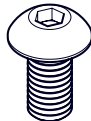
Components for the step



Cover
pz 1



Washer M8
pz 18

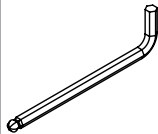


Button head
screw M5x10
pz 1



Button head
screw M8x20
pz 18

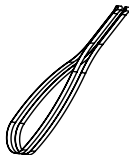
Preparations for the step



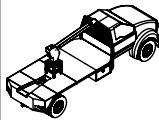
Hexagon key nr. 3-5



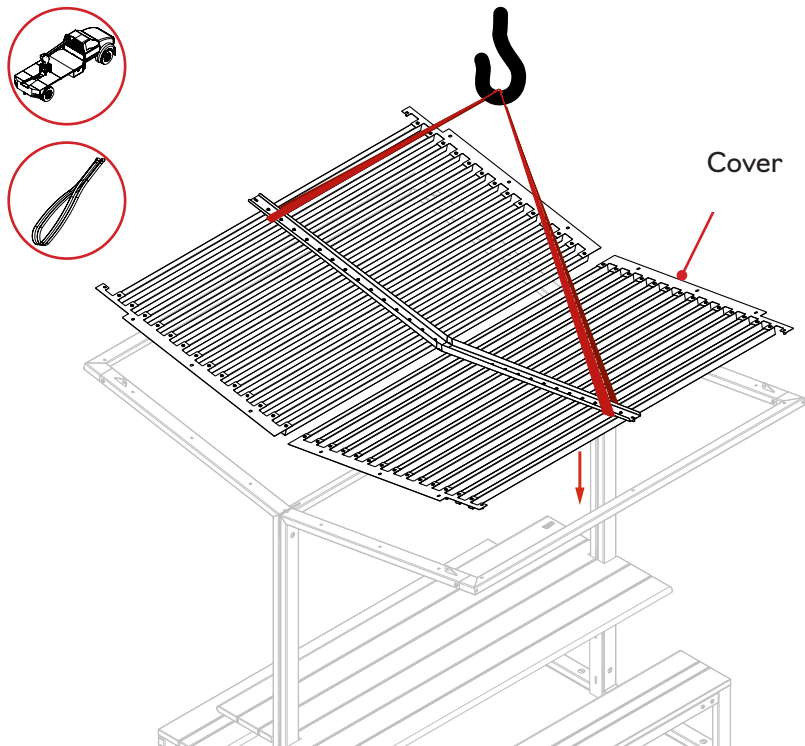
Step ladder



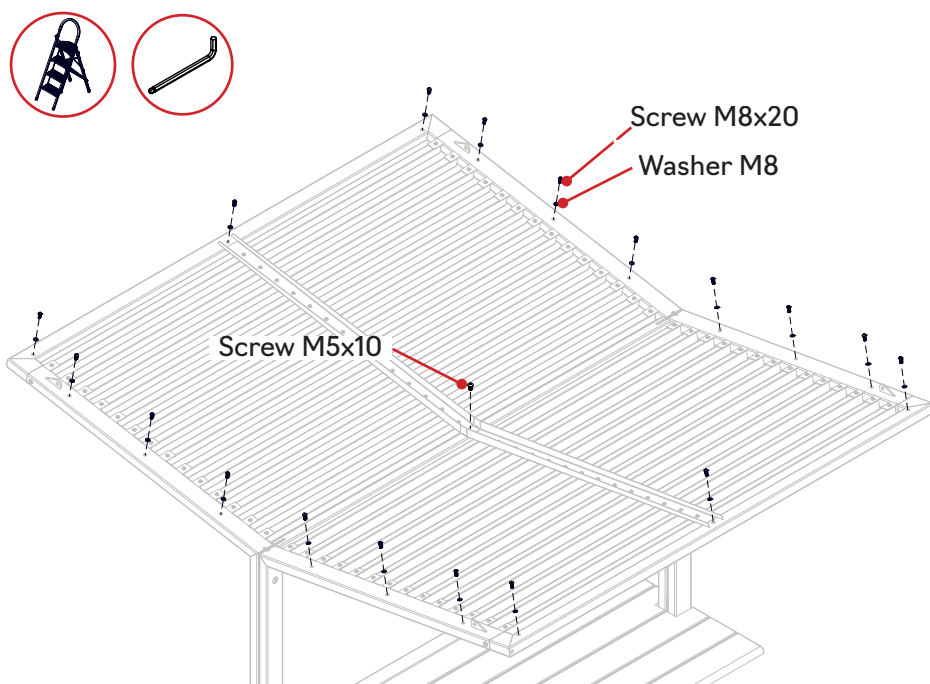
Belts



Mechanical arm / crane

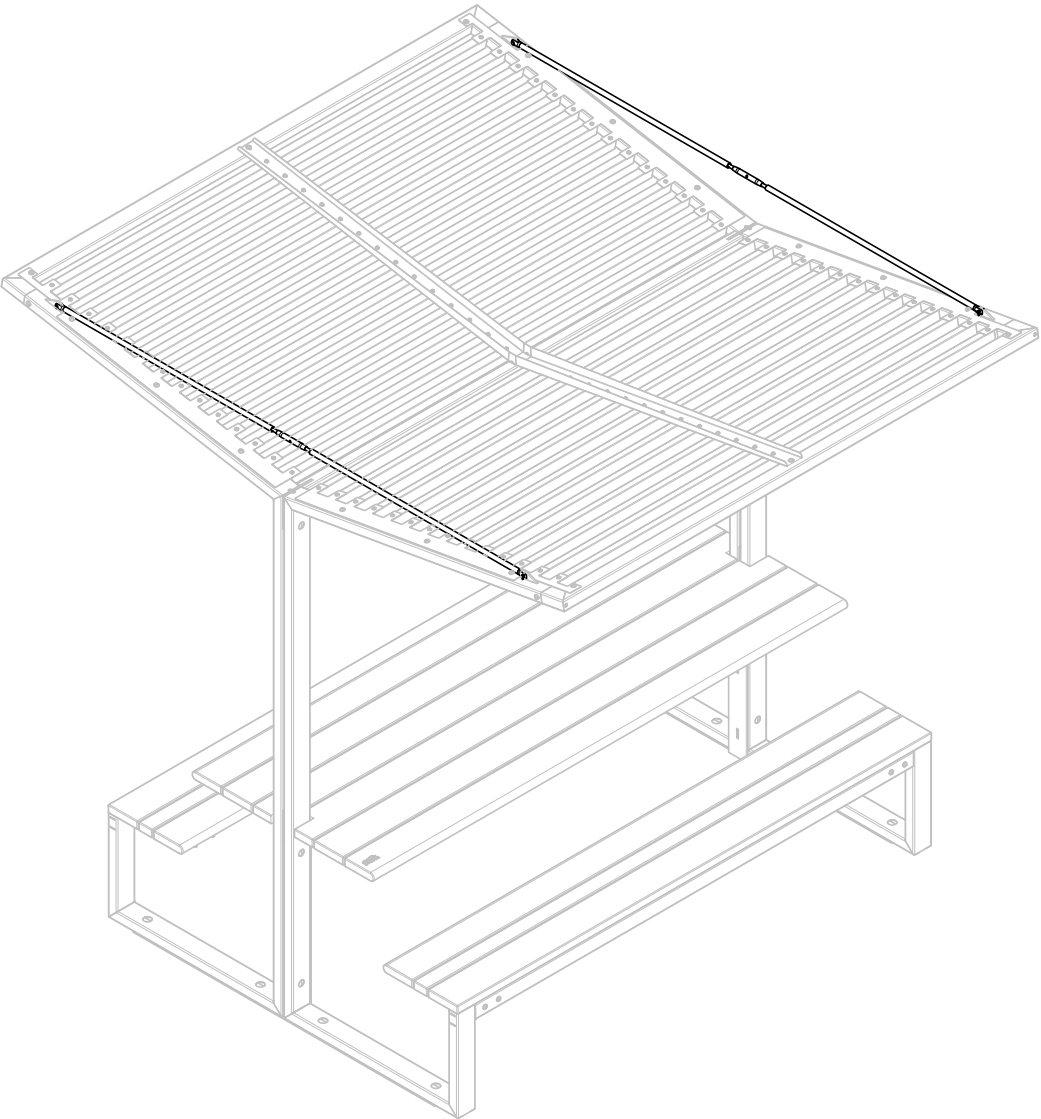


1. Move the cover using a mechanical arm (or crane). Check that you have fixed the piece well before moving it at height. Place the assembly to align it with the holes in the crosspiece and the uprights.
2. Using a ladder, fix the cover with nr. 18 M8x20 screws and nr. 18 M8 washers. For this operation use a hexagon key nr. 5.
3. Secure the centre of the assembly with an M5x10 screw, using a hexagonal key nr. 3




8


Tie rod assembly




Components for the step




Tie rod A
pz 2



Tie rod B
pz 2




Turnbuckle
pz 2

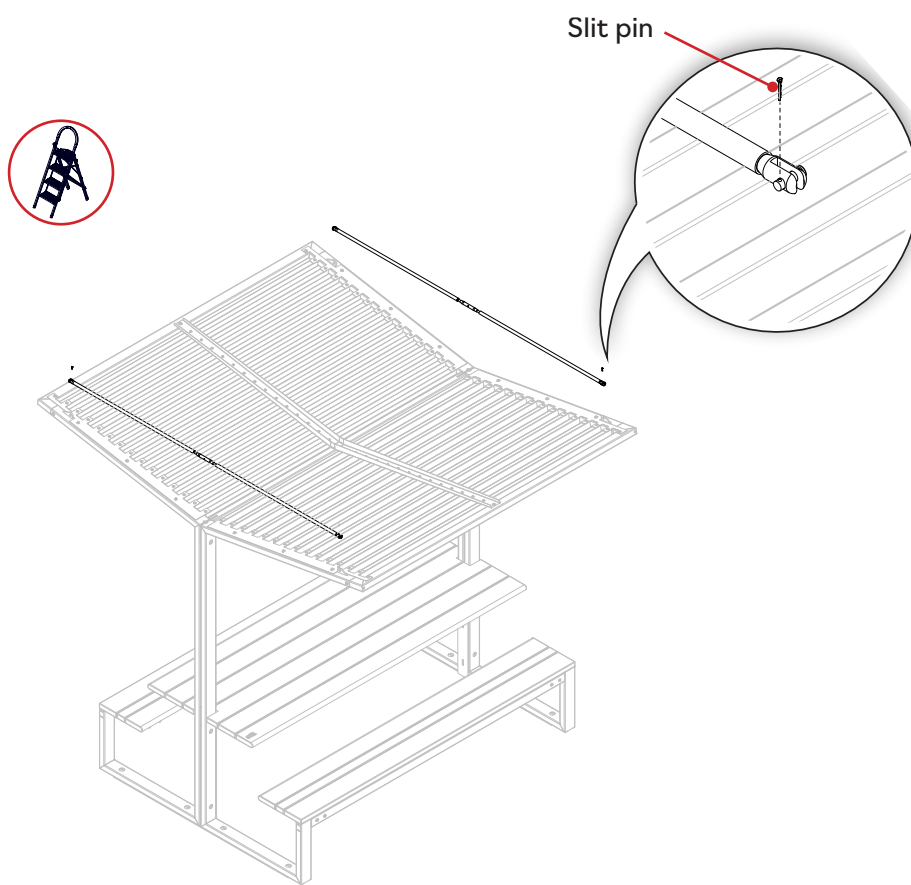
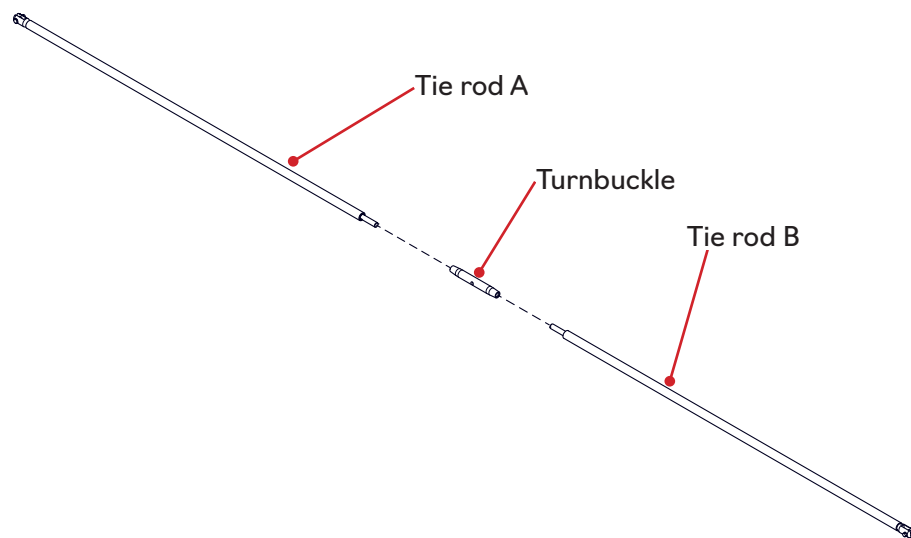


Slit pin
pz 4

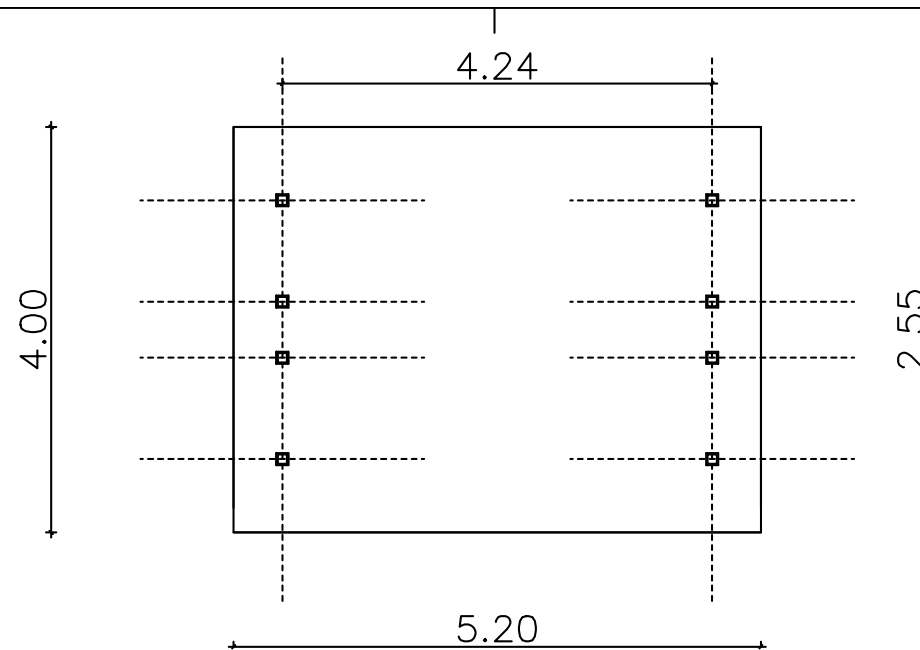
Preparations for the step



Step ladder

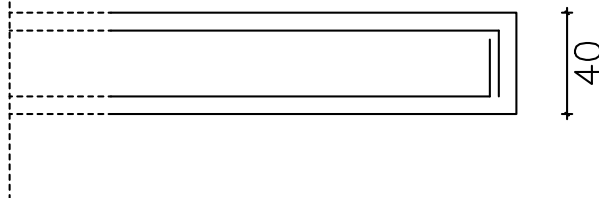


1. As a last step, fix the tie rods by placing them on the roof.
2. Take the tie rod A and tie rod B components and fix them together with the turnbuckle.
3. Repeat this operation with the other tie rod.
4. With the help of a ladder, fix the ends of the assembled tie rods, as shown in the graphics on the side. To do this, apply nr. 4 split pins. Act on the turnbuckle to keep the two tie rods under tension



Armatura superiore e inferiore – rete elettrosaldata Ø8/20
(Upper and lower rebar – electro-welded mesh Ø8 / 20)

Particolari ferri (Scala 1:20) Reibar detail (Scala 1:20)
Risvolto L=13 Overlay L=13



Computo armatura platea a quota 0.00	
m	225.48
kg	88.97
Tot: kg 88.97 – mc 2.08 – kg/mc 42.77	

prescrizioni sui materiali secondo NTC2018		
calcestruzzo	con caratteristiche S4; XC2; A/C < 0,55; Dmax = 25mm	
magrone per sottofondazioni	C 12 / 15	
fondazioni ed elevazioni	C 25 / 30	
acciaio per calcestruzzo armato	diametro minimo di piegatura 5 Ø	
barre ad aderenza migliorata B450C	sovrapposizione minima 50 Ø – copriferro 30 mm	
terreno	carico limite medio per compressione verticale >= 1,2 daN/cm2	

FILE	COMMITTENTE	
20190717 FOND01 REV00	METALCO s.r.l. Via della Fornace n. 44 31023 – Castelminio di Resana (TV)	
DATA	17.07.2019	
DATA ULTIMA REVISIONE	17.07.2019	
REV.	000	Il Tecnico
TAVOLA	PROGETTO	
FOND.001	FONDAZIONE PENSILINA "CISON"	
	ELABORATO	
	SCHEMA FONDAZIONI E TAVOLA FERRI DI ARMATURA	
	SCALA 1:50	



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