Easy Stairs
NEXT LEVEL SAFETY

User manual Spiral stairs Carla

Spiral stairs Carla

Carla stairs are a modern and practical solution for the industrial sector. With a wide range of variants available, these spiral staircases can be easily tailored to meet customer needs, ensuring significant time savings during order fulfillment.

The Carla stairs consists of standard, ready-made elements. This makes installation quick and easy. The staircase is designed for self-assembly. This means that no team of specialists is needed to assemble the staircase. The staircase can be easily assembled using the enclosed instructions.

The simplicity and lightness of the construction combined with a guarantee of safety makes the Carla Spiral Stairs ideal for use in industrial buildings. Also for external access to a building.

The big advantage of the Carla Spiral Stairs is that it takes up relatively little space. This makes it easier to integrate into less spacious interiors.

- Right and left-hand spiral staircase
- Stair radius 900, 1.000, 1.100 mm
- Safety railing
- Height range 320 – 6.000 mm

The Carla system can be used as:

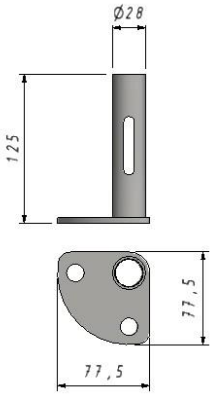
- Stairs in warehouse areas
- Stairs in production halls
- Stairs in logistics halls
- Stairs in machine parks
- Stairs in factories
- Stairs as entrances to mezzanines
- Stairs in cold stores
- Stairs in waste sorting plants
- Stairs in hangars
- Stairs in technical premises

The basic components of CARLA stairs are landings and a stairway with railings. The stairs are available with a maximum height of 6.000 mm and a radius of 900, 1.000, 1.100mm. The structure of the CARLA modular stairs system provides for the right and left versions of the stairs and the installation of the upper landing in two configurations shown below. The stair system allows step height adjustment in the range from 160 mm to 200 mm, the step height is determined at the ordering stage.

Parts

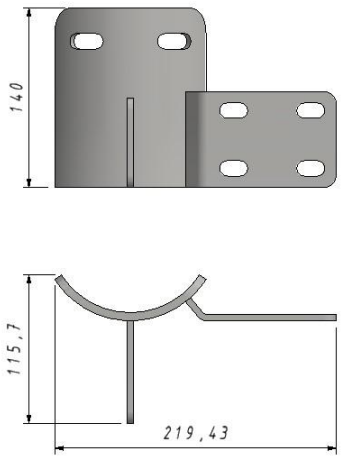
SL/SP

CR-A1



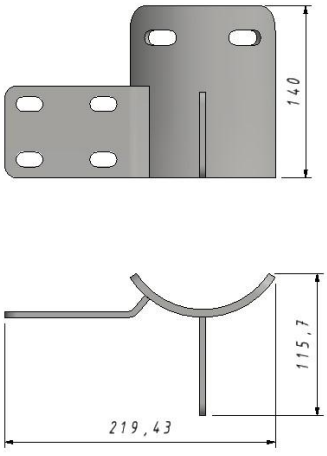
3,76 kg

CR-A4



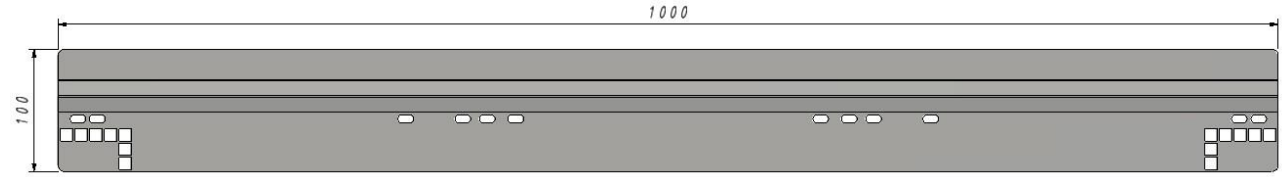
2,82 kg

CR-A5



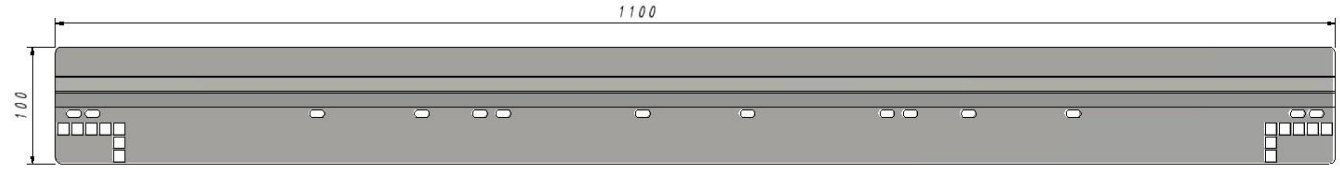
2,82 kg

CR-K1



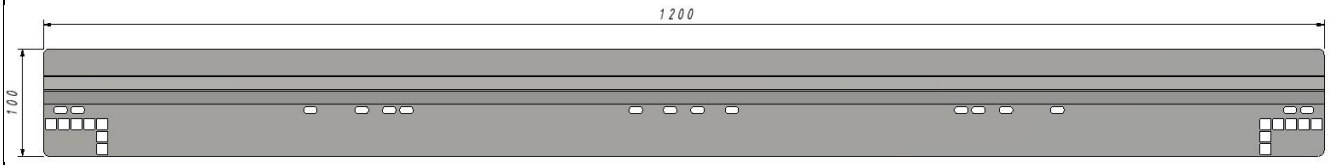
0,20 kg

CR-K2



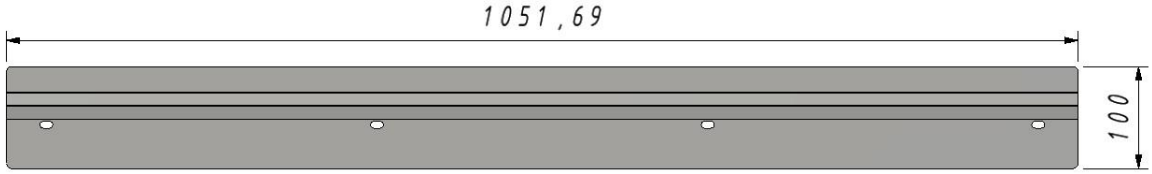
0,22 kg

CR-K3



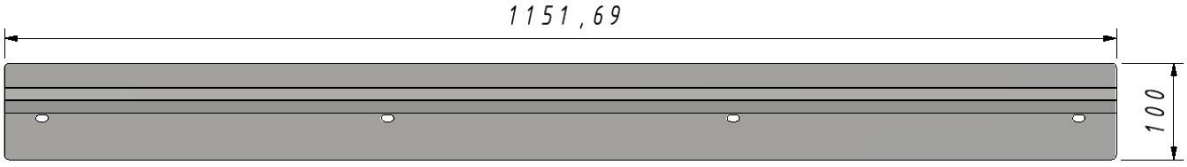
0,24 kg

CR-K4



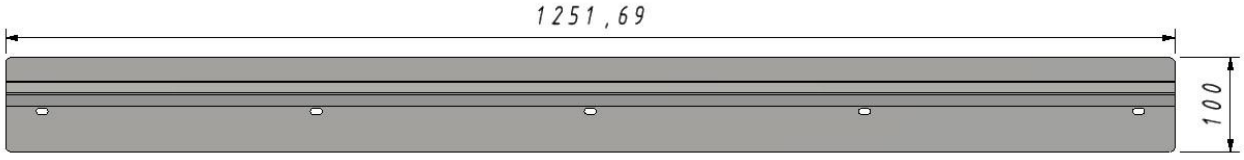
1,25 kg

CR-K5



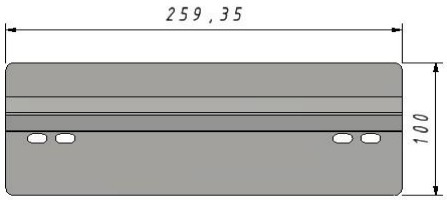
1,37 kg

CR-K6

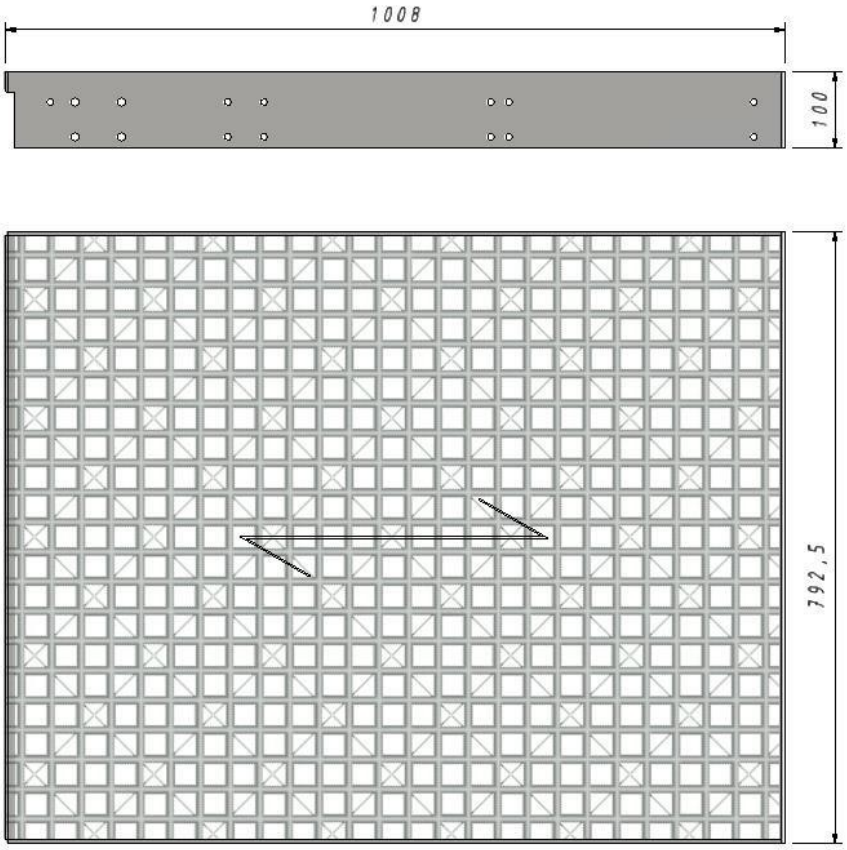


1,48 kg

CR-K7 0,30 kg

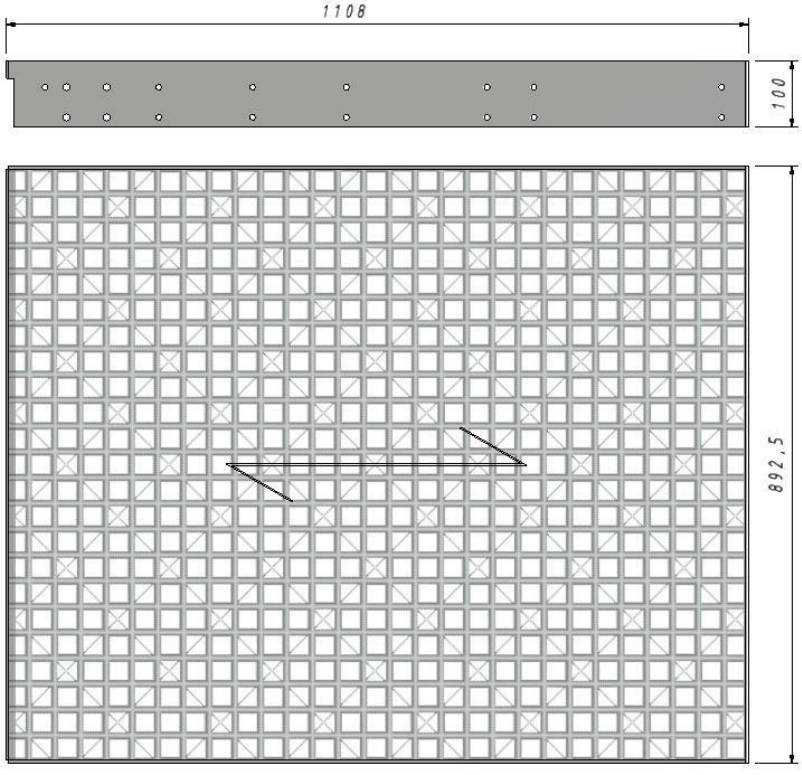


CR-M1A



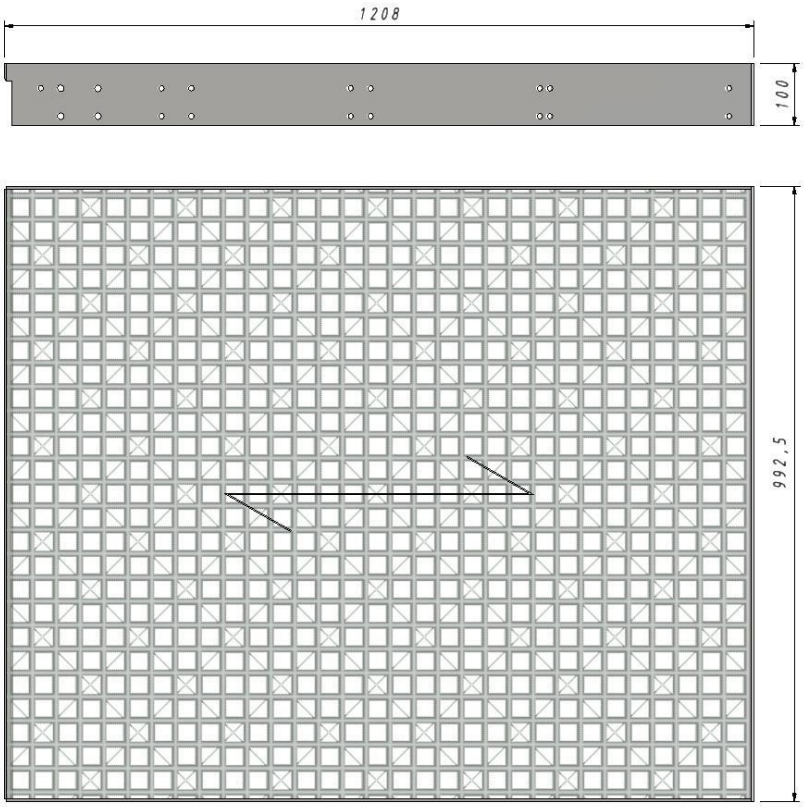
26,44 kg

CR-M1B



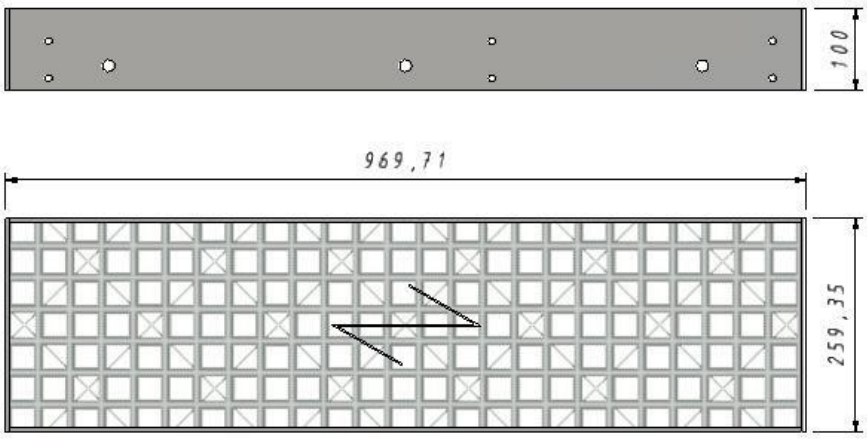
32,54 kg

CR-M1c



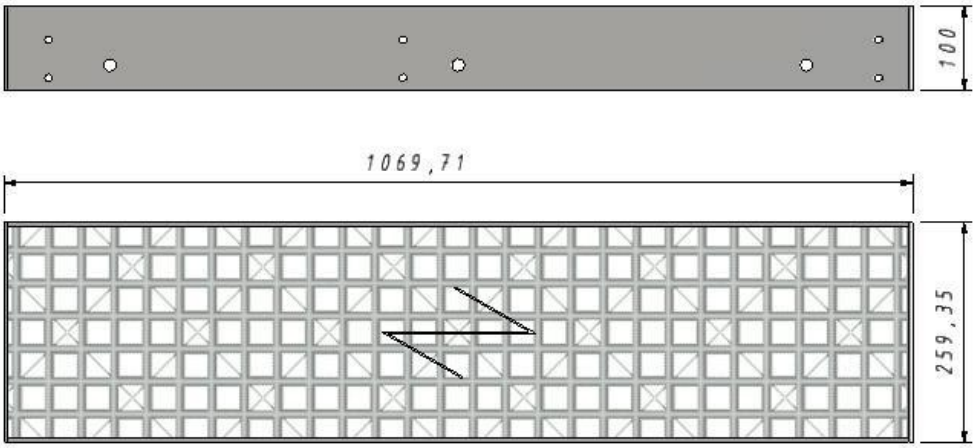
37,37 kg

CR-M2a



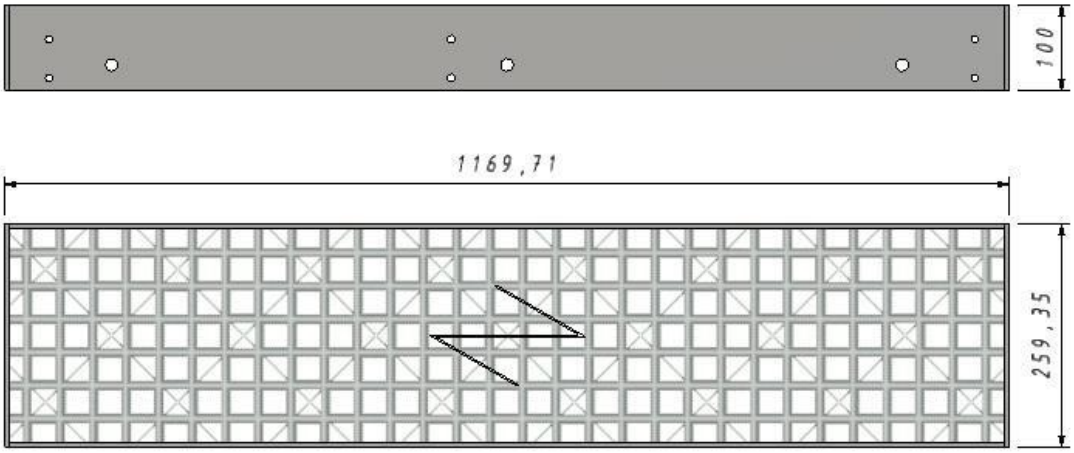
13,19

CR-M2b



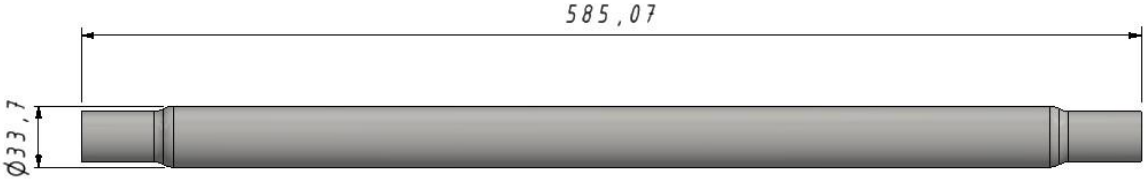
14,79 kg

ASO-M2c



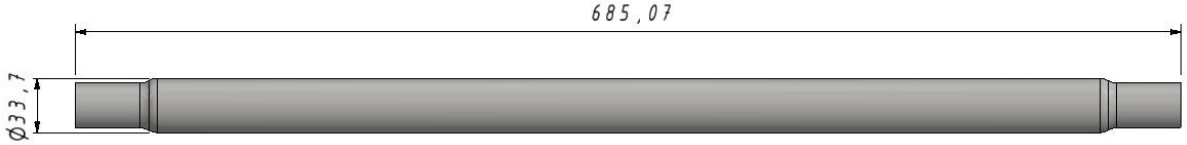
15,92 kg

CR-PP1a



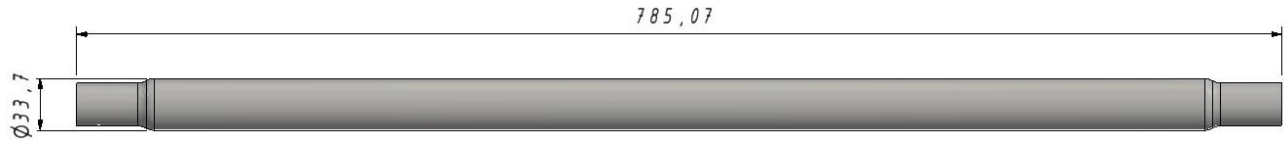
0,89 kg

CR-PP1b



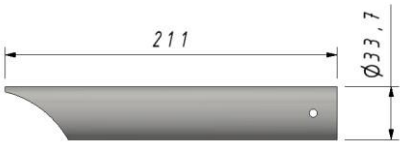
1,05 kg

CR-PP1c



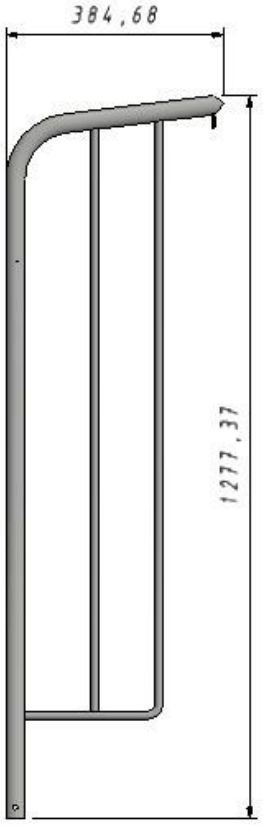
Mass: 1,20 kg

CR-PP2



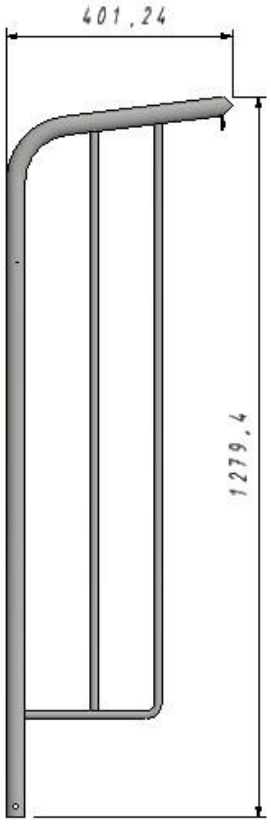
0,29 kg

CR-R1a



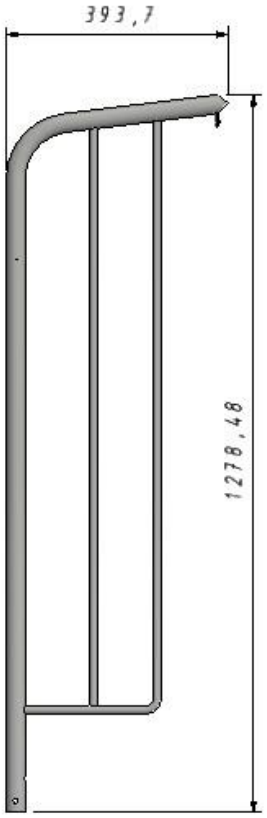
3,78 kg

CR-R1b

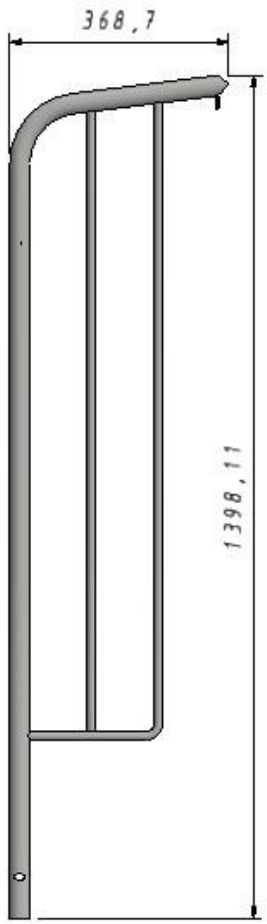
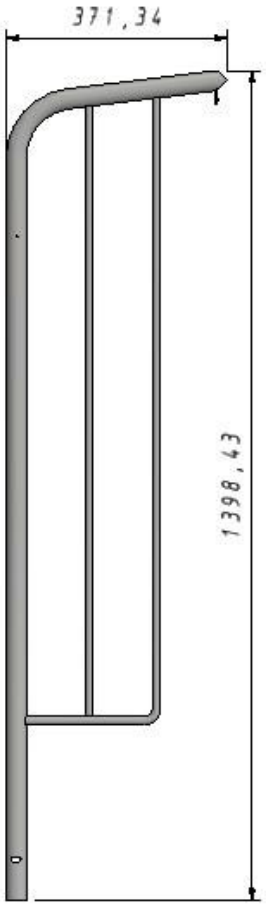
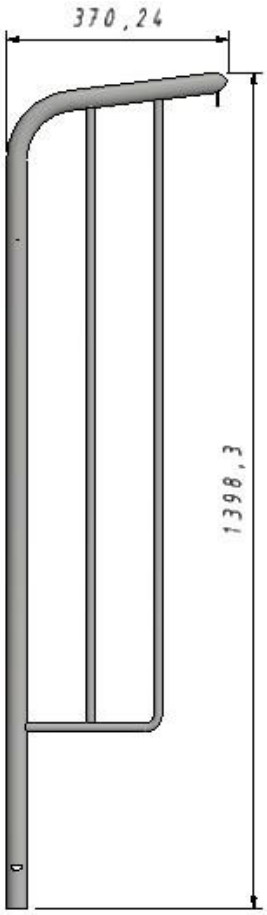


3,81 kg

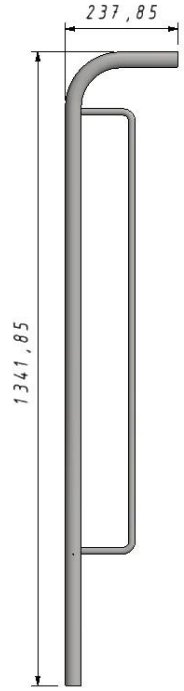
CR-R1c



3,79 kg

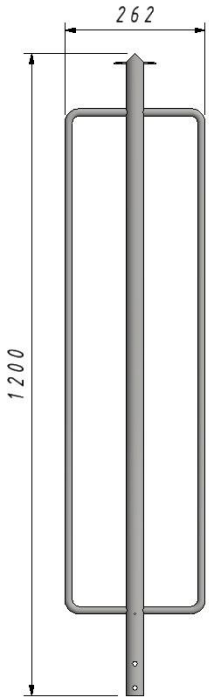
CR-R2a	CR-R2b	CR-R2c
		
3,30 kg	3,31 kg	3,31 kg

CR-R3



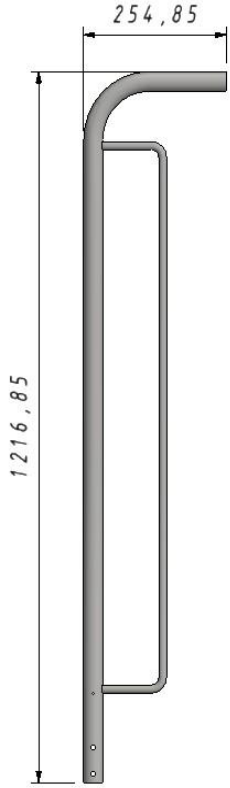
2,71 kg

CR-R4



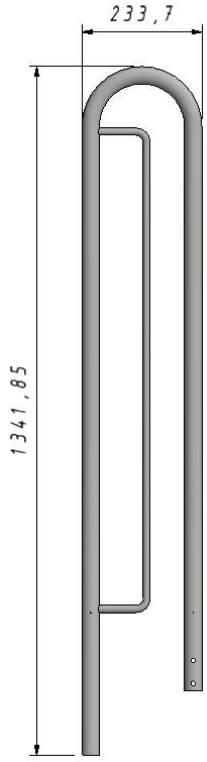
2,59 kg

CR-R5



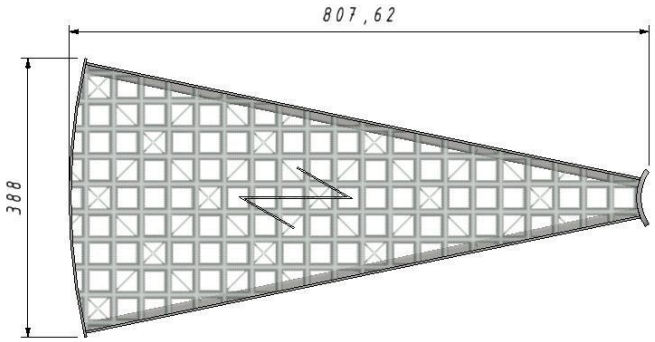
2,54 kg

CR-R6



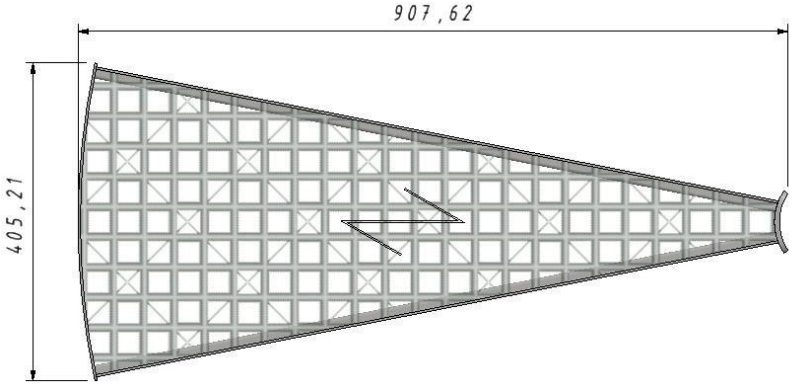
4,49 kg

W-S-SP-900-KR-34x38



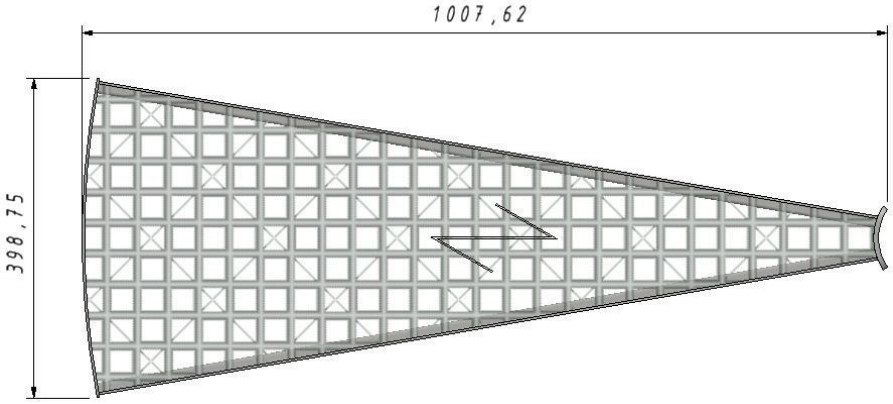
7,65 kg

W-S-SP-1000-KR-34x38

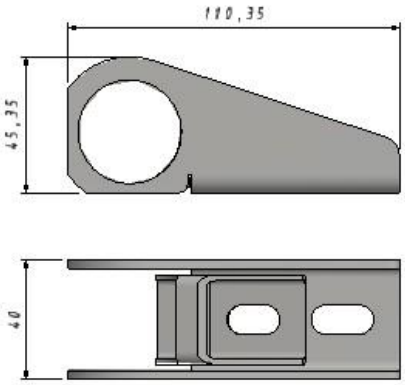
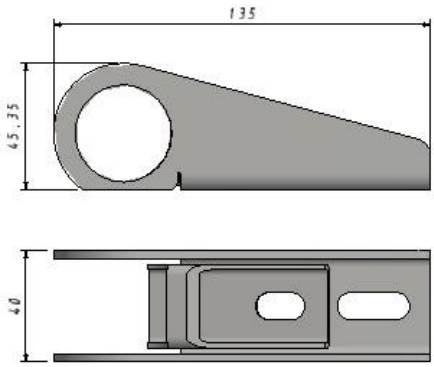


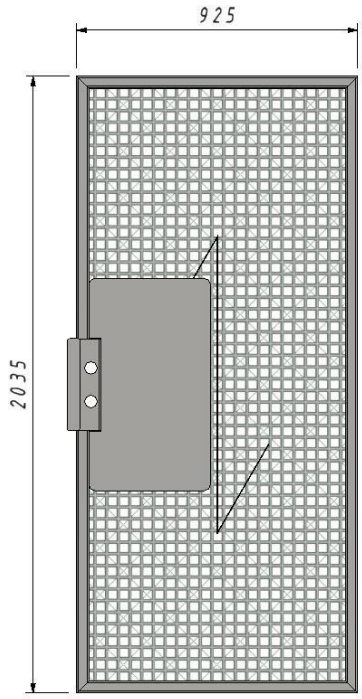
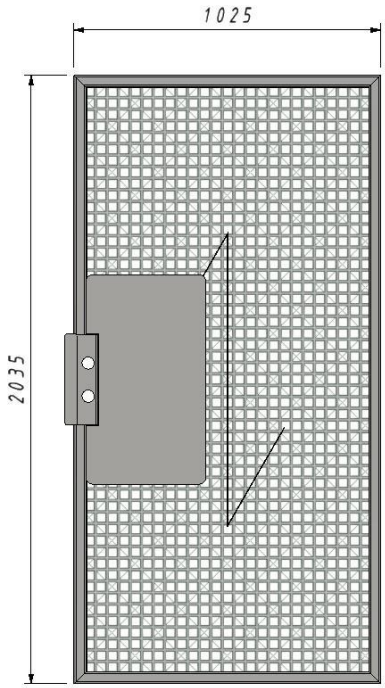
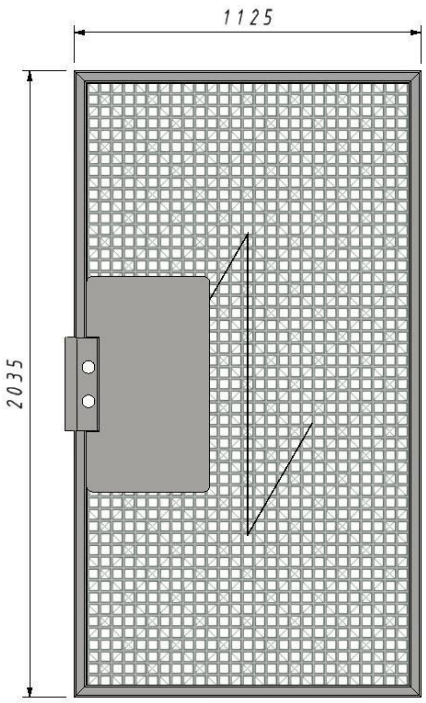
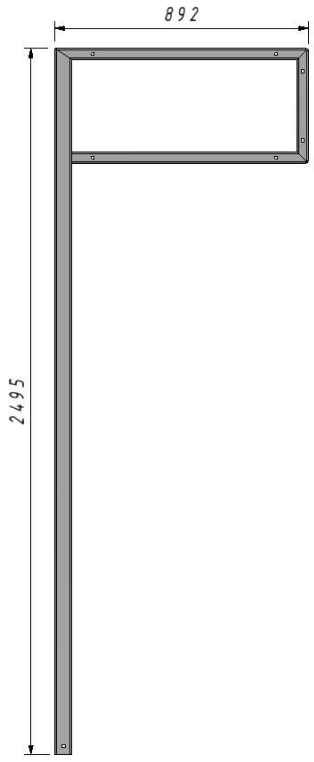
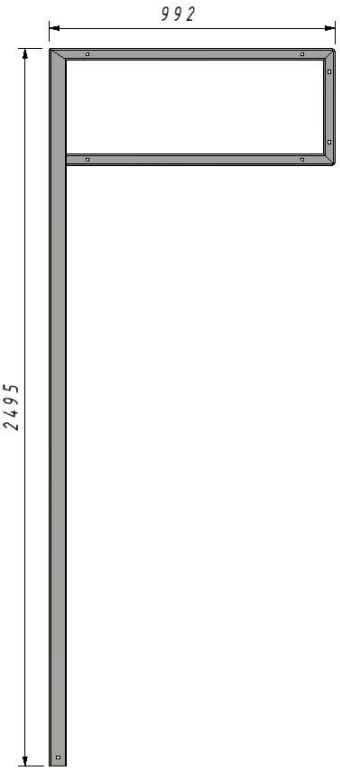
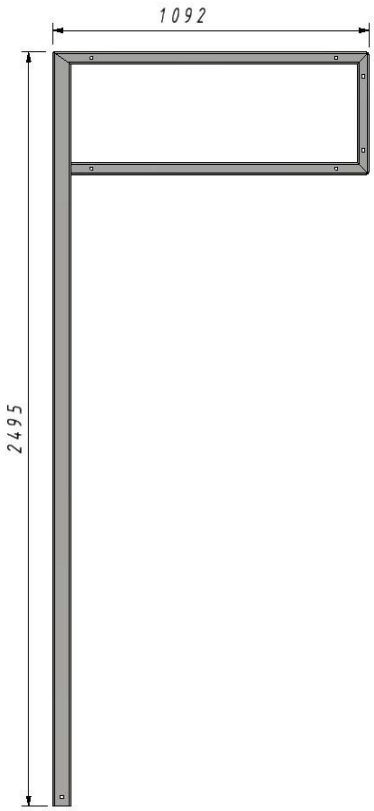
8,60 kg

W-S-SP-1100-KR-34x38



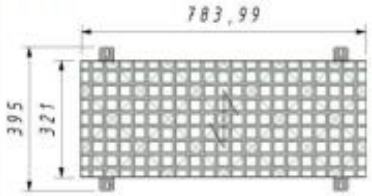
9,38 kg

CR-A2  0,22 kg	CR-A3  0,27 kg

CR-D1a  48,20 kg	CR-D1b  51,50 kg	CR-D1c  54,80 kg
CR-RD1a  16,98 kg	CR-RD1b  Mass: 17,64 kg	CR-RD1c  18,30 kg

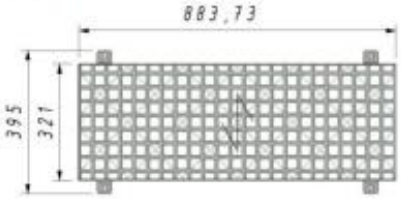
Easy Stairs
NEXT LEVEL SAFETY

CR-GD1a



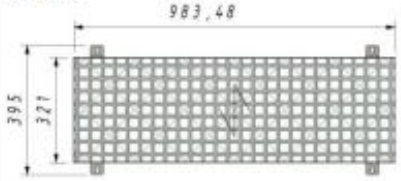
4,43 kg

CR-GD1b



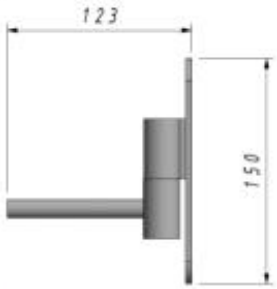
4,97 kg

CR-GD1c



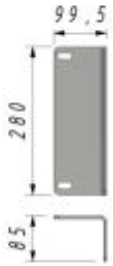
5,52 kg

M-D-Z-3



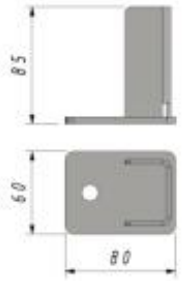
0,54 kg

CR-A8



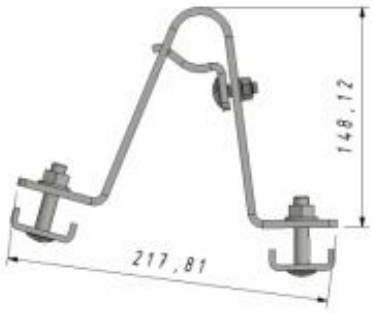
1,87 kg

CR-A6



0,37 kg

CR-L1



0,75 kg

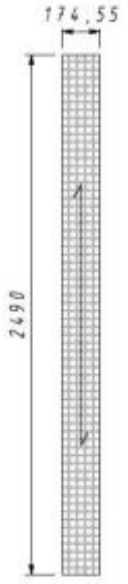
CR-L2

0,49 kg

CR-L4

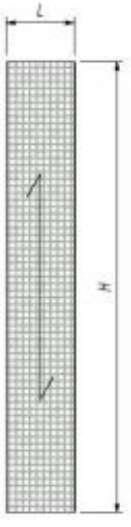
0,39 kg

CR-GU1

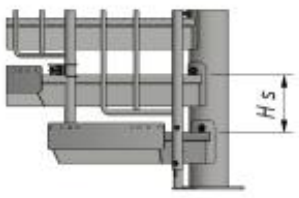


5,9kg

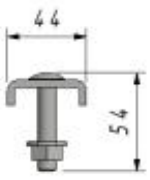
R900: CR-G_a - *L=373,3*
R1000, R1100: CR-G_b - *L=368,7*



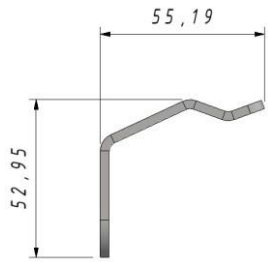
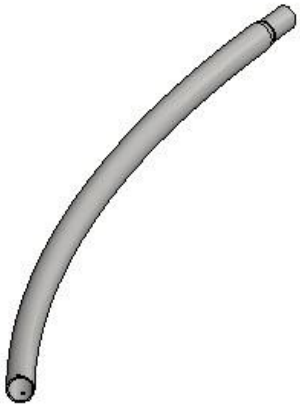
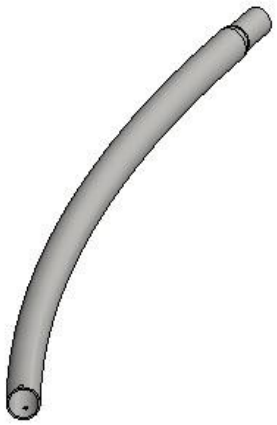
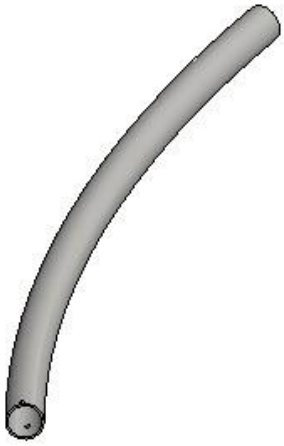
CR-G1: L=2490
CR-G2: L=2490-Hs
*CR-G3: L=2490-(2*Hs)*
*CR-G4: L=2490-(3*Hs)*
*CR-G5: L=2490-(4*Hs)*
*CR-G6: L=2490-(5*Hs)*
*CR-G7: L=2490-(6*Hs)*
*CR-G8: L=2490-(7*Hs)*
*CR-G9: L=2490-(8*Hs)*
*CR-G10: L=2490-(9*Hs)*
*CR-G11: L=2490-(10*Hs)*
*CR-G12: L=2490-(11*Hs)*



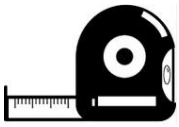
M-KR-UK-G11-34x38



0,1kg

CR-GU1  0,05 kg	CR-PW1a/b/c  1,40 kg	CR-PW2a/b/c  1,20 kg
CR-PW3a/b/c  1,10 kg		

Tools

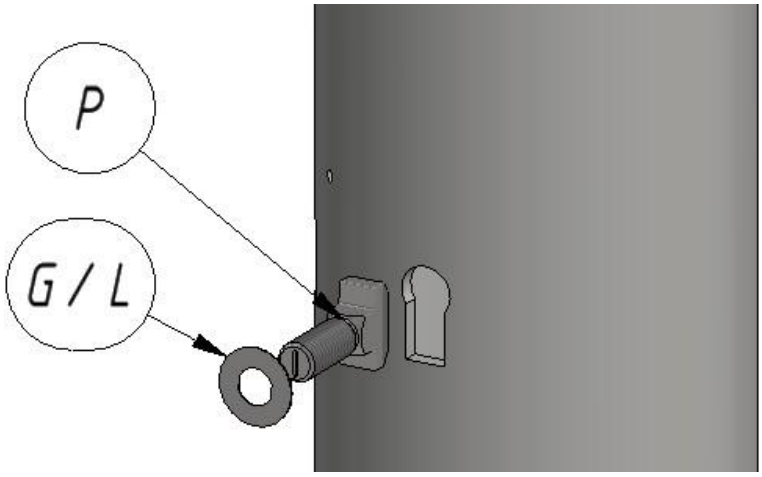
	Wrenches: 13, 17, 19
	Level
	Screwdriver
	Measuring tape
	Hammer drill Concrete drill 13 mm
	Lifting crane min. 1 t (when assembling higher staircases)

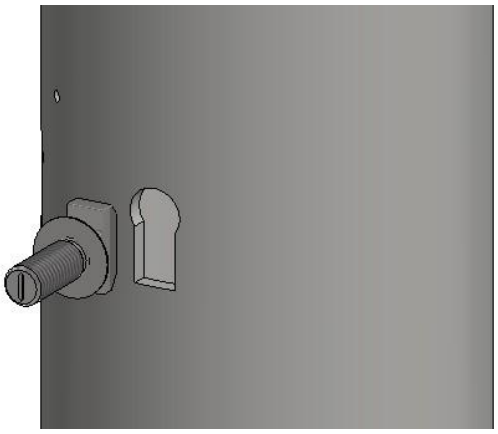
Assembly

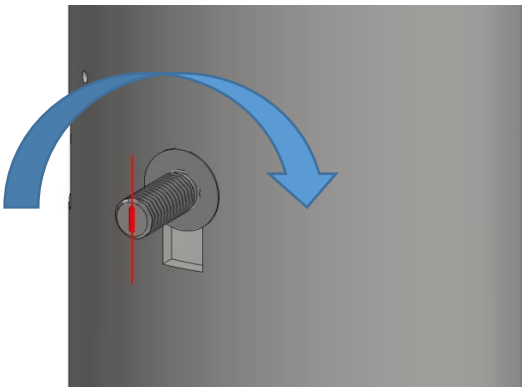
The stairs should be installed with the participation of at least two qualified personnel and a lifting device.

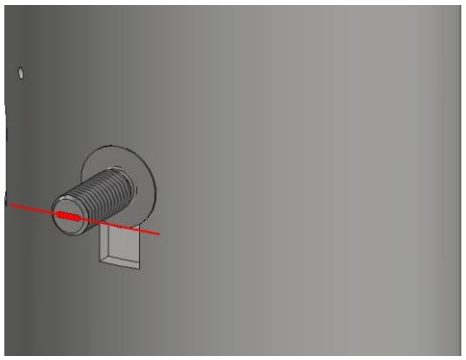
1. Before starting the assembly, determine the location of the stairs and designate the assembly zone so that it does not interfere with ongoing construction works, and staying in it will not pose a threat.
2. Prepare the place for the foundation of the stairs.
3. Tighten all bolted connections with the tightening torque approximately 60% of the nominal torque for the given size and class of the fastener.
4. The stairs should be anchored to the ground and to the structure using M12 anchors or, in the case of anchoring to steel structures, M12 bolts of min. 8.8 class.

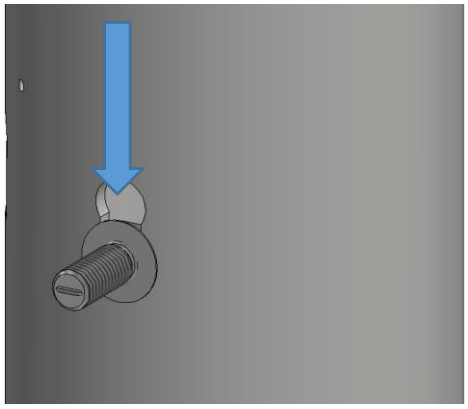
Hammer bolts installation procedure.



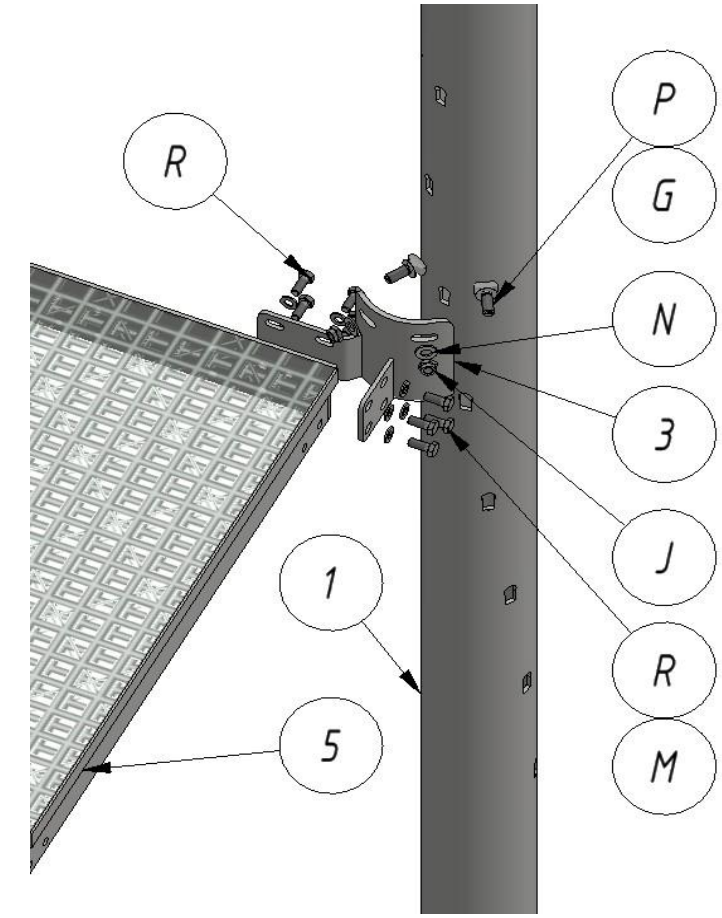


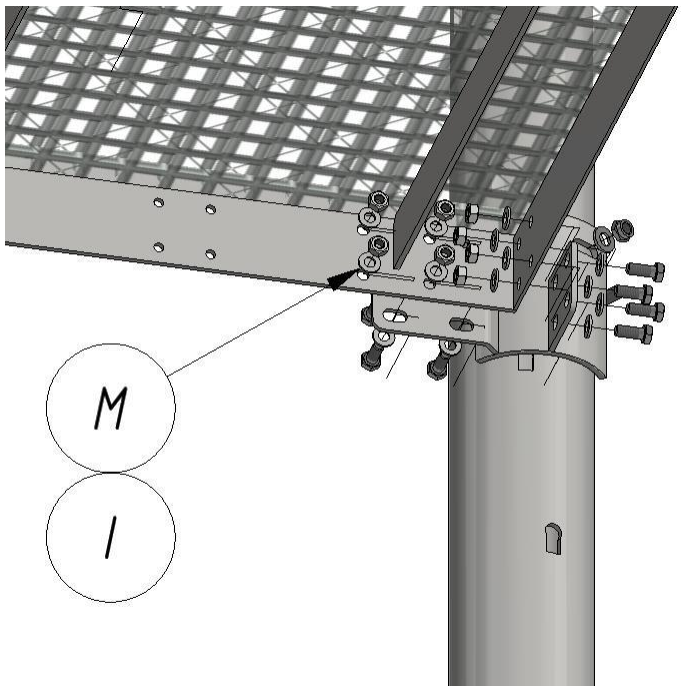




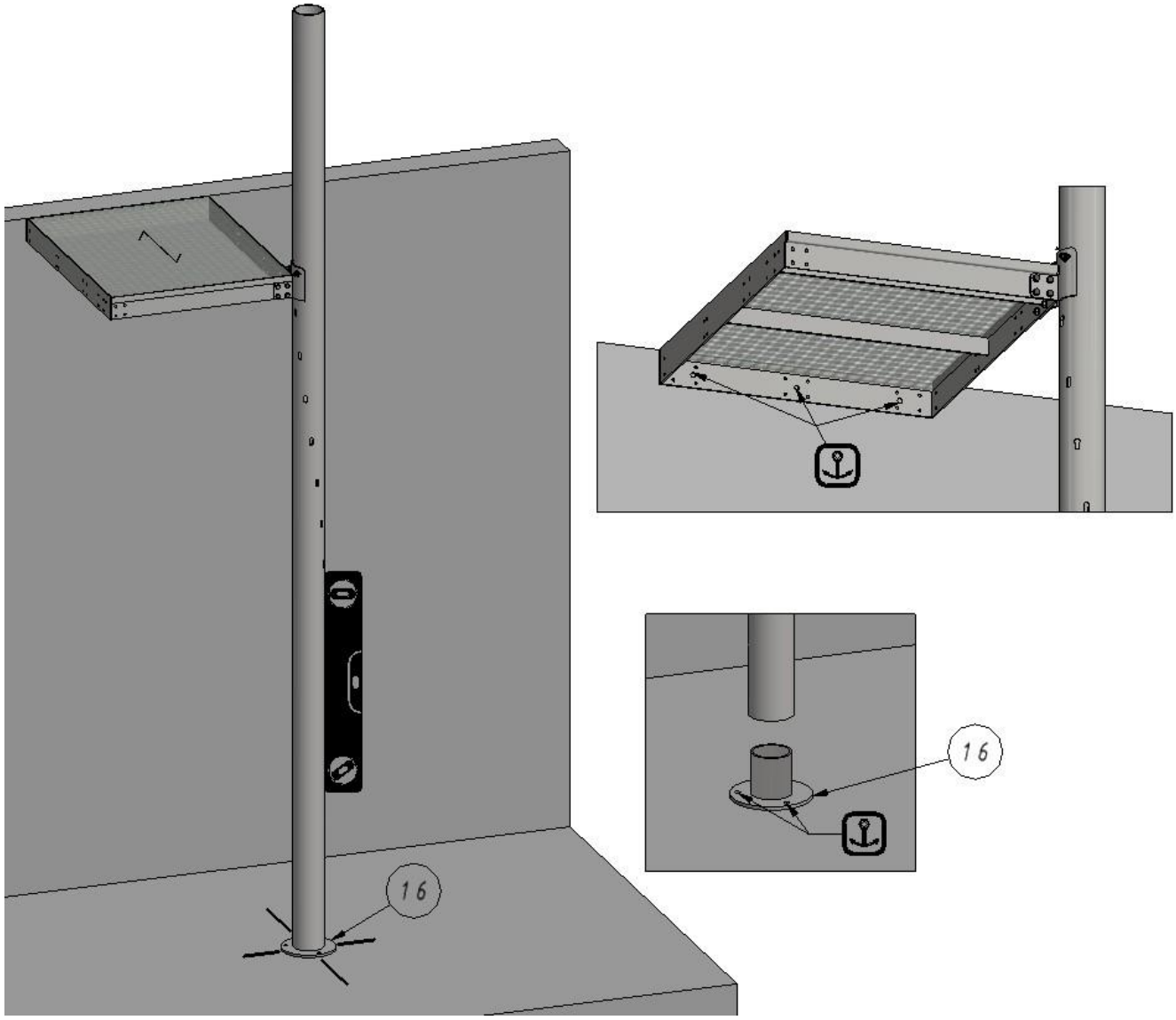


Landing installation.

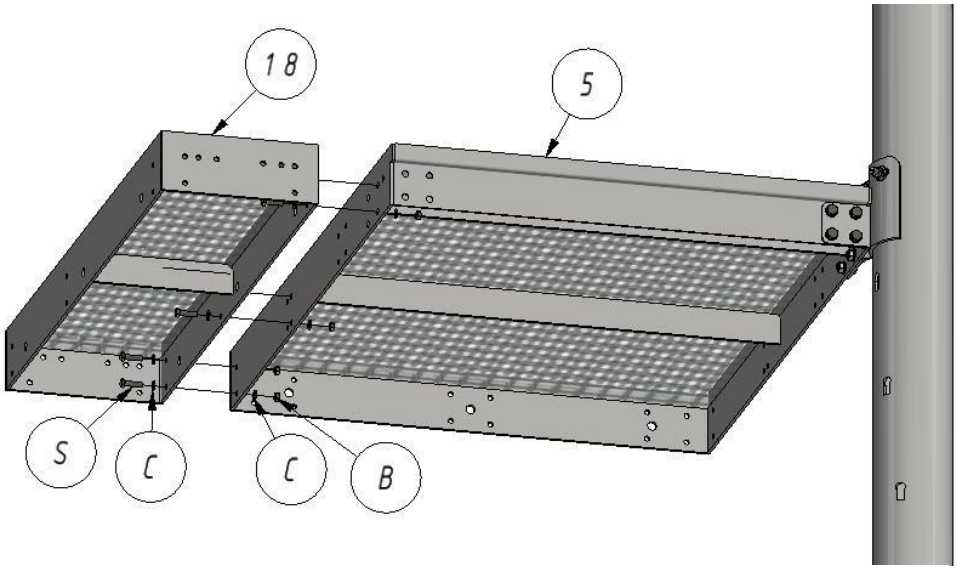


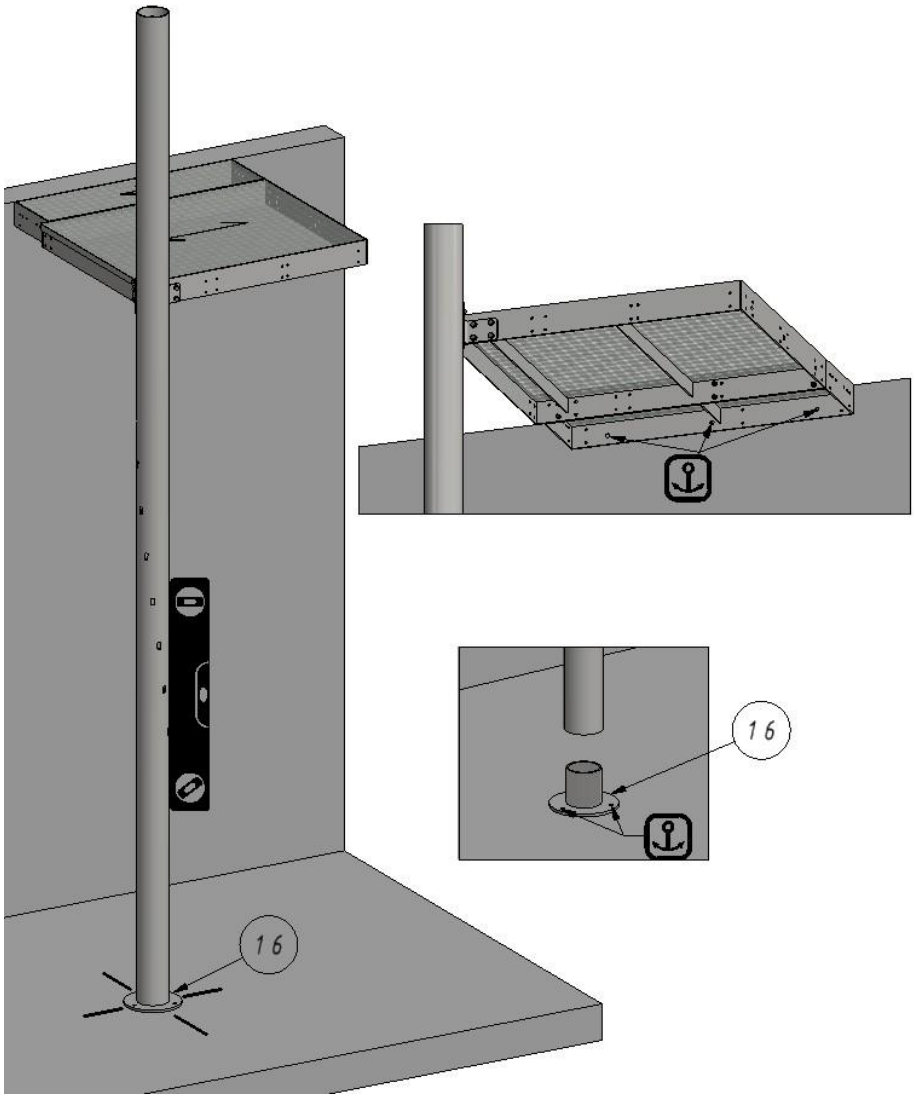


Installation of the platform and the central pipe to the structure – straight exit variant.

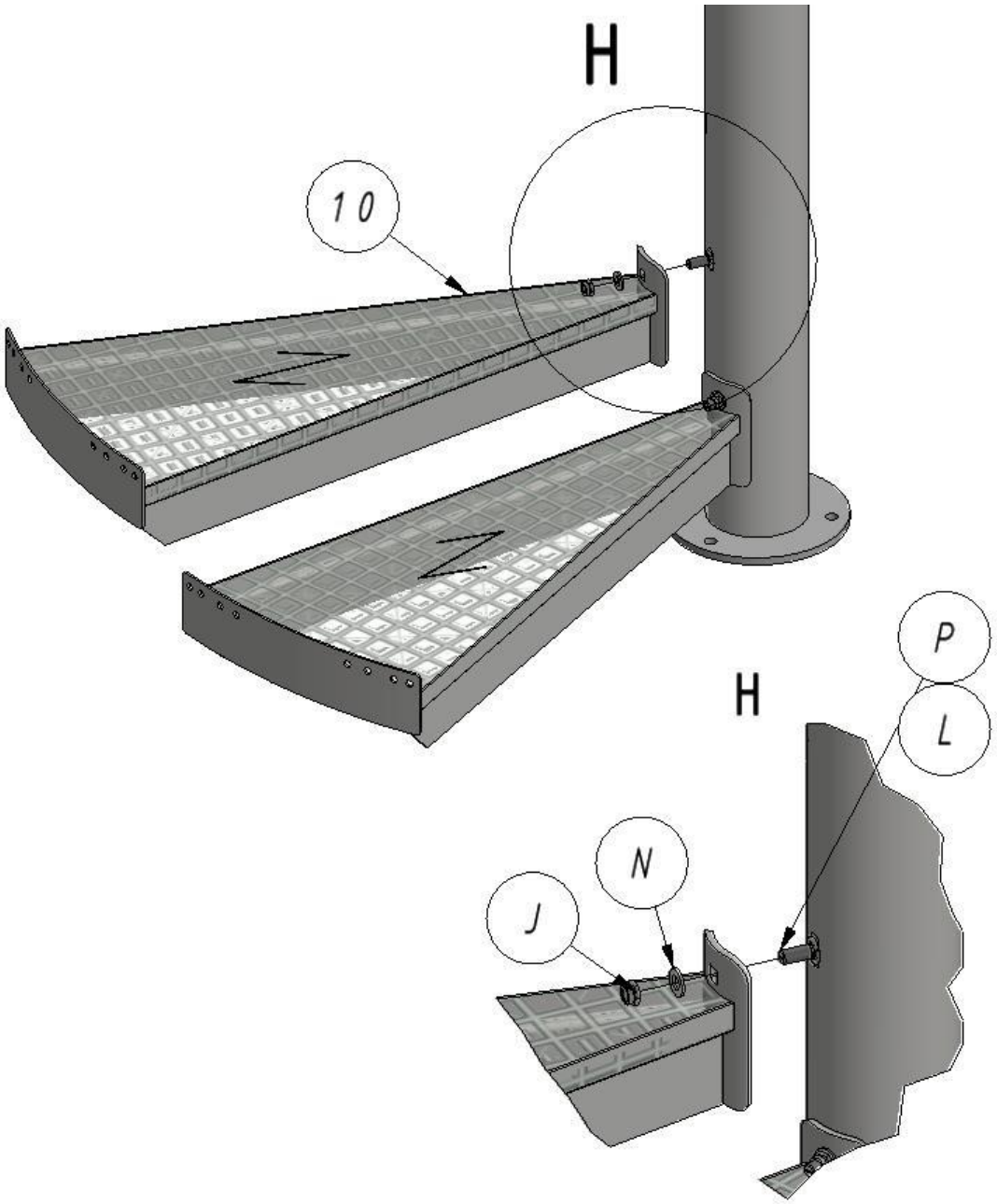


Installation of the platform and the central pipe to the structure – side exit variant.

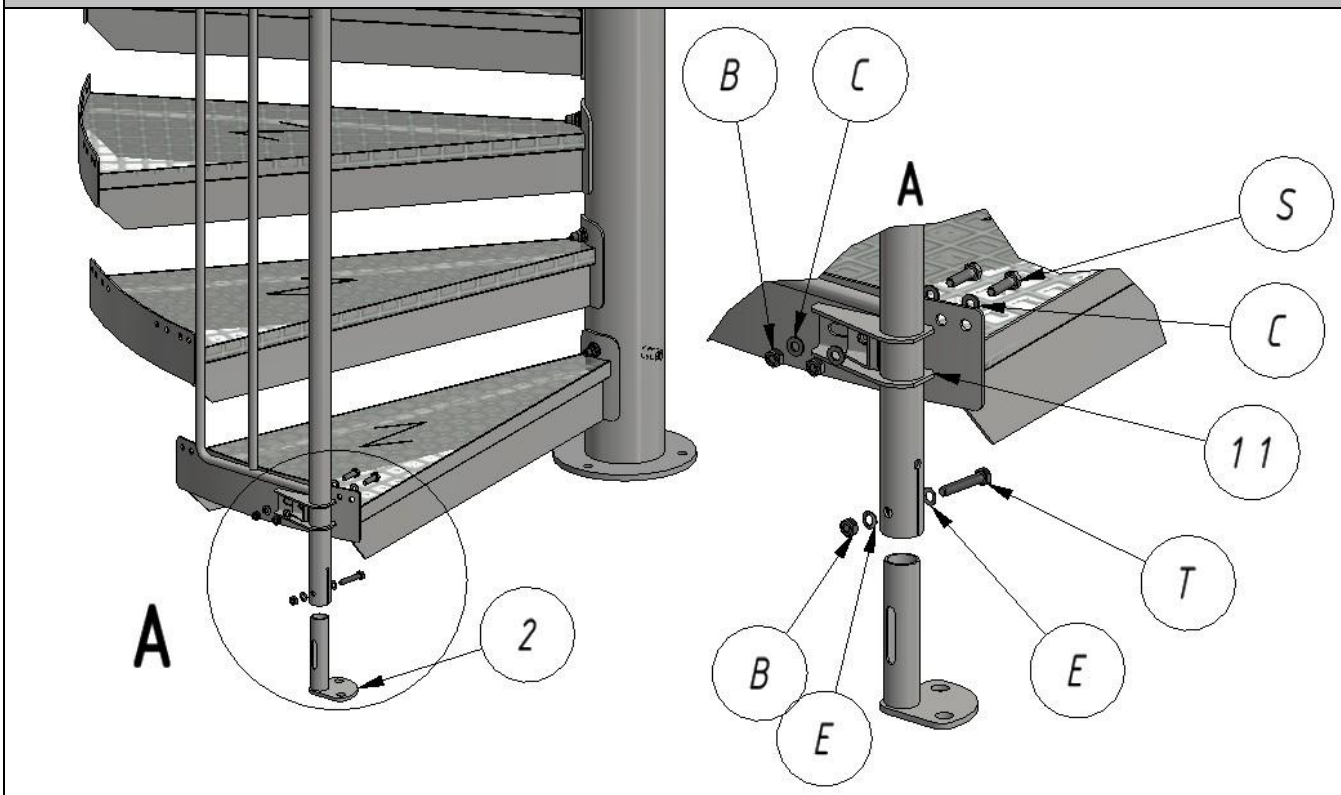




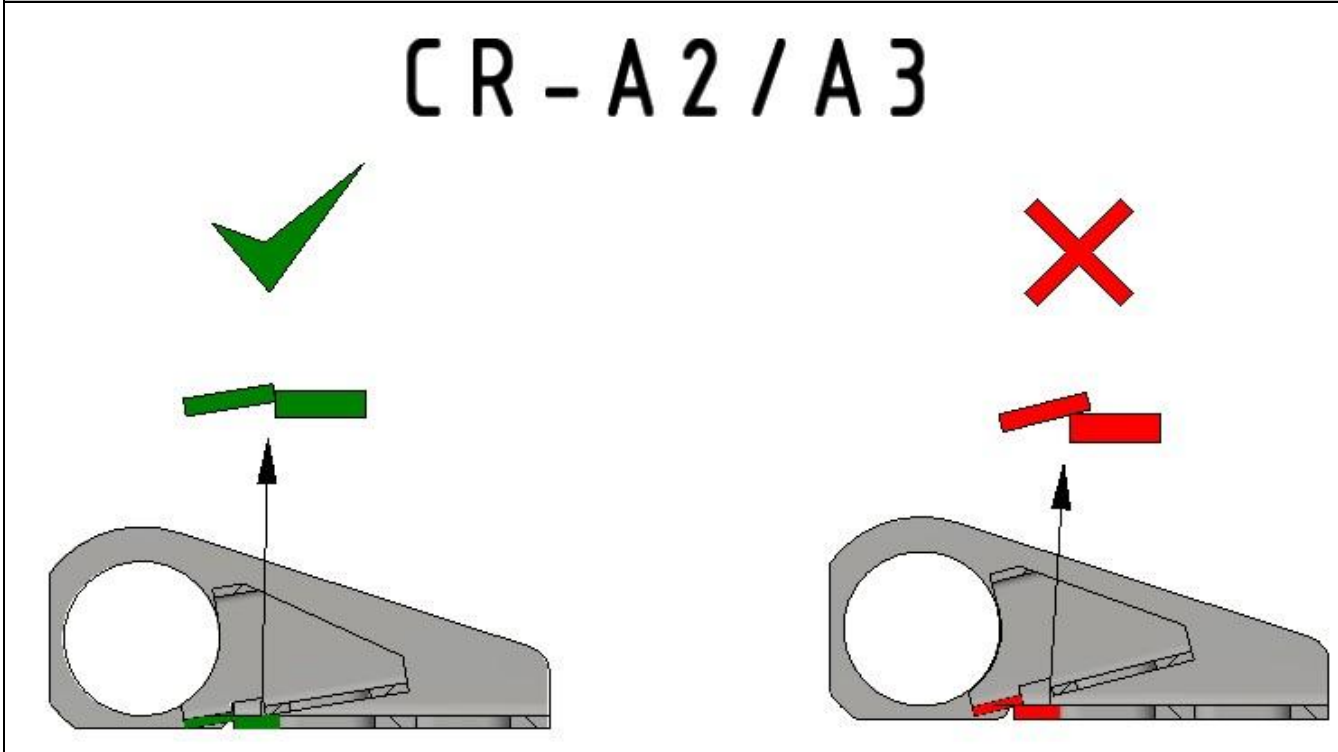
Steps assembly.

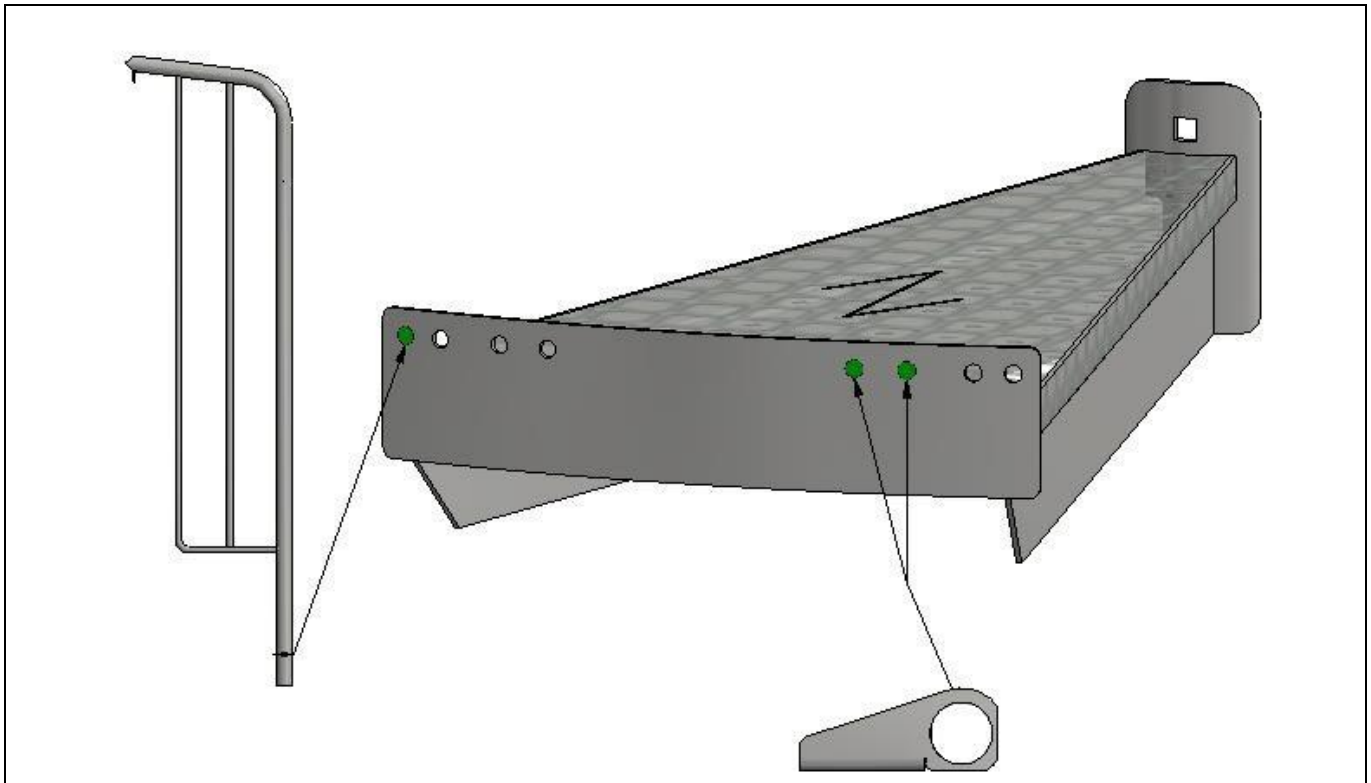


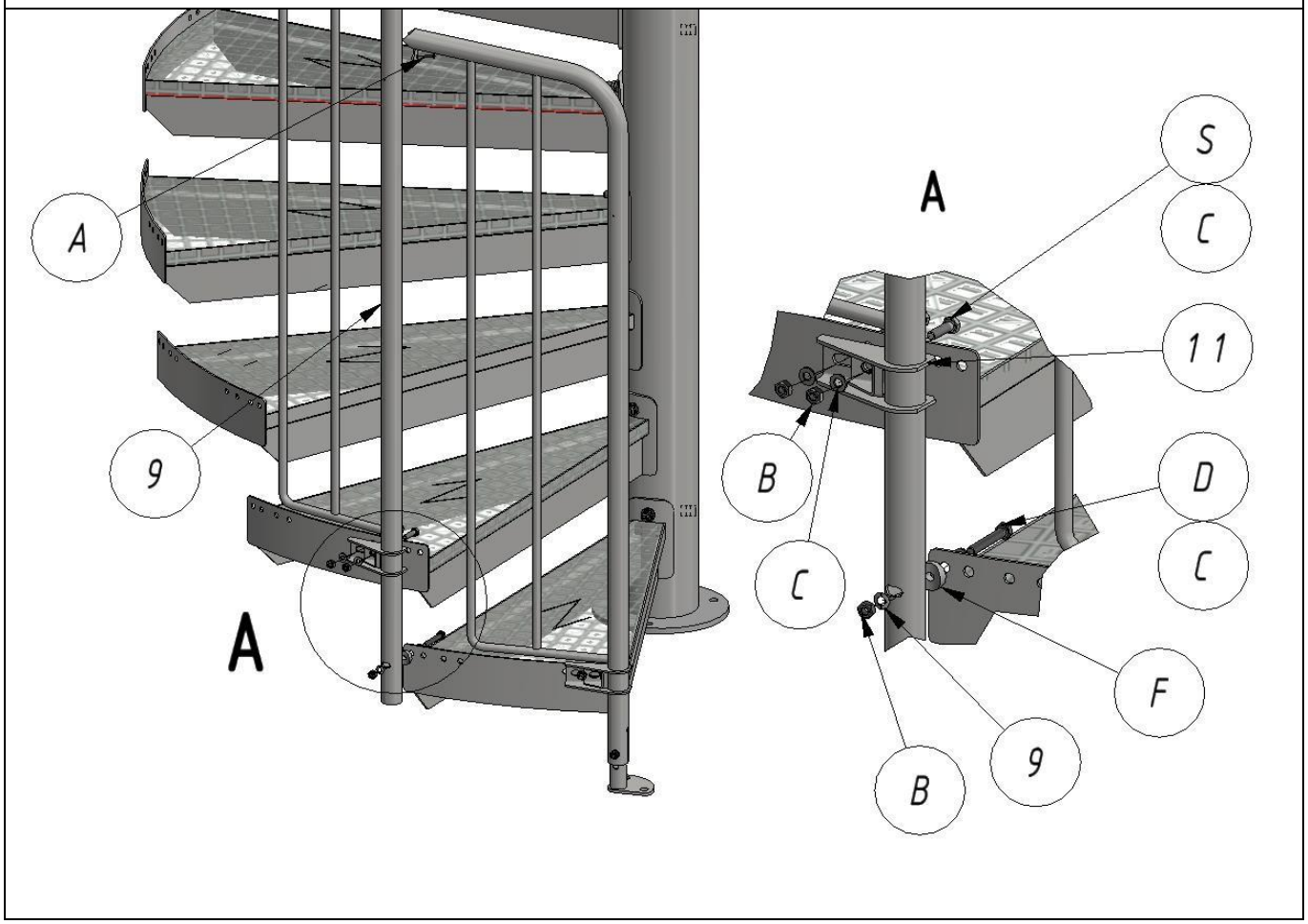
Assembly of railings on stair flight.



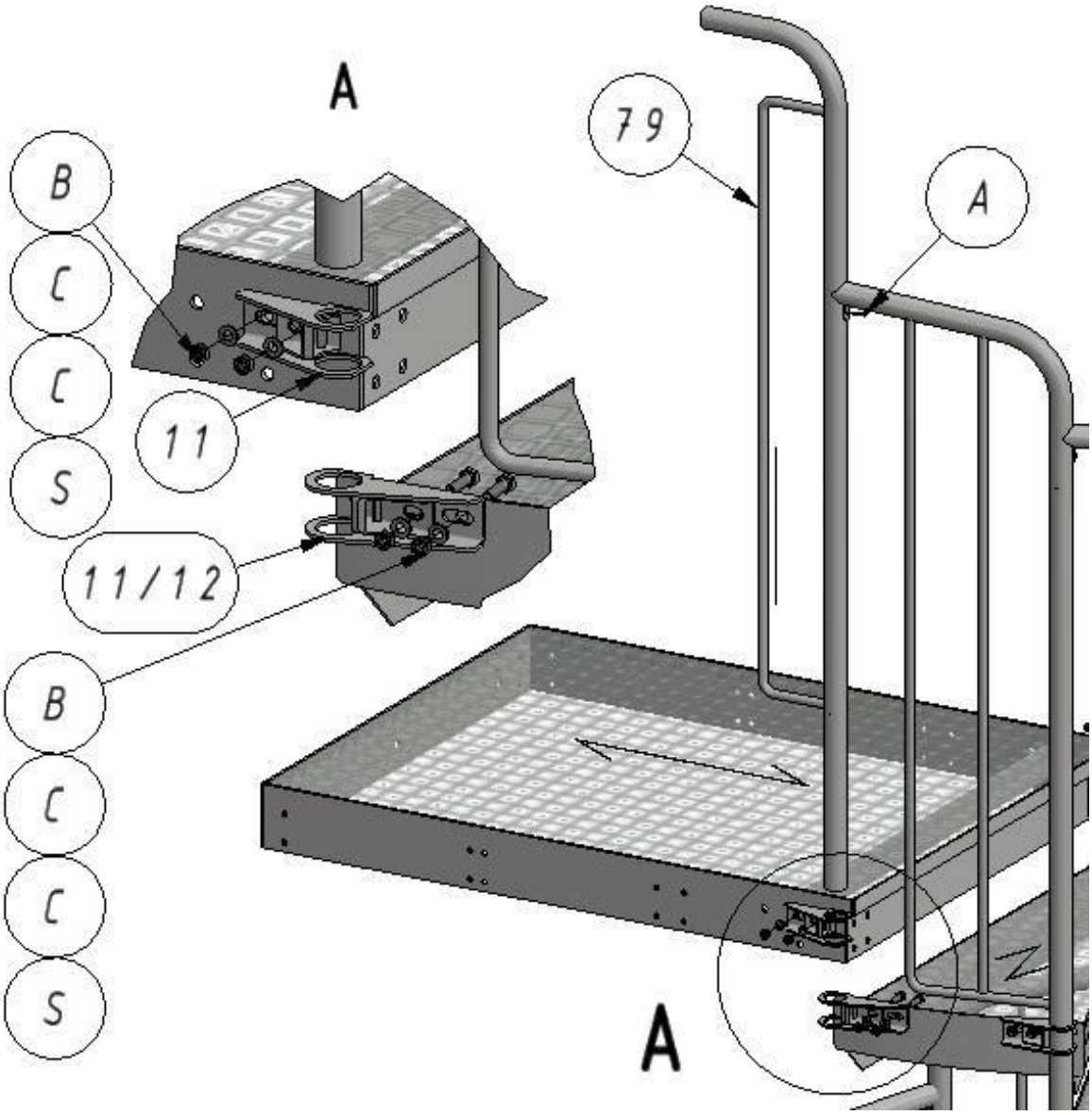
Assembly of railings clamps.



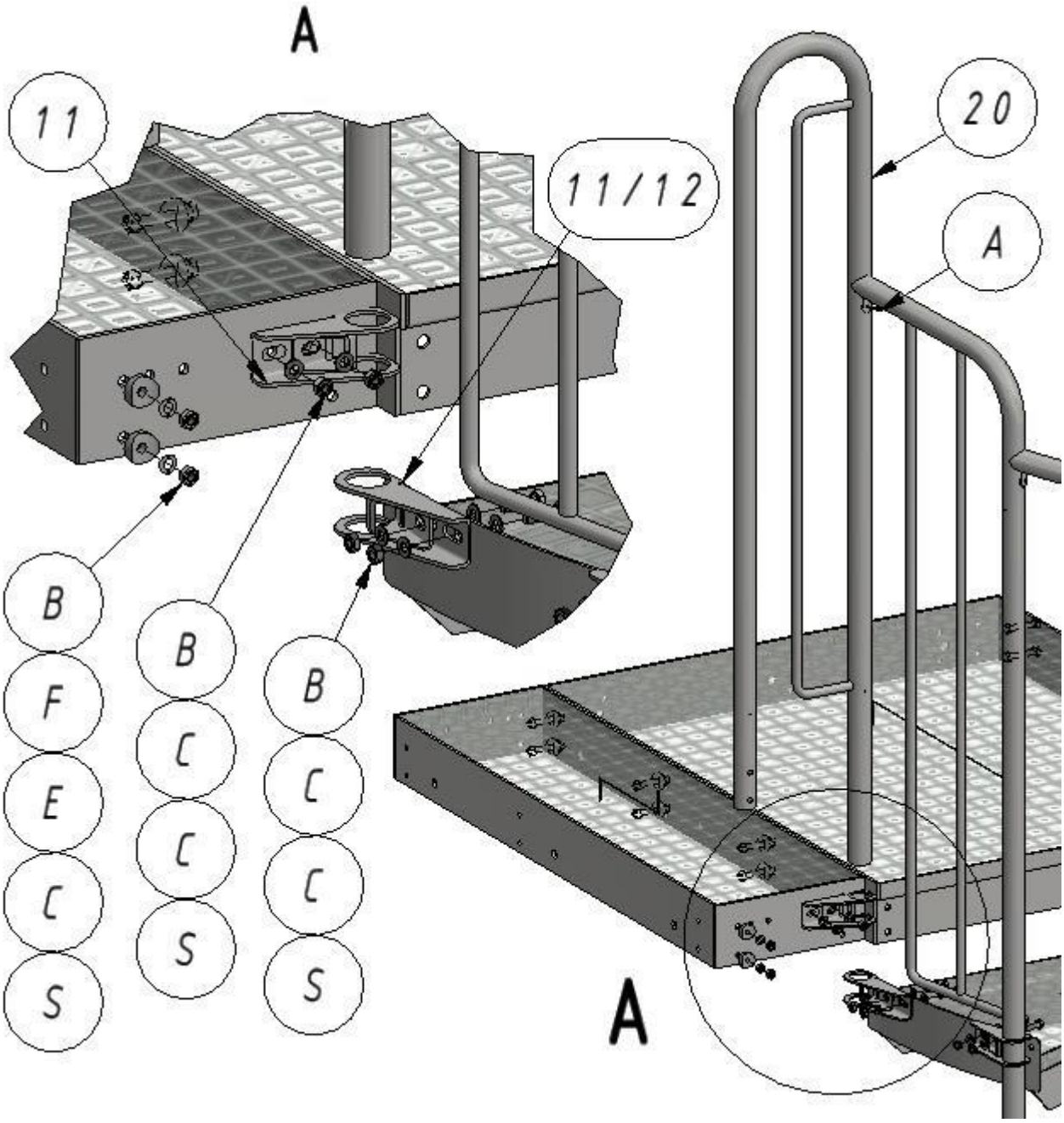



A
9
A
A
S
C
11
B
D
C
C
F
9
B

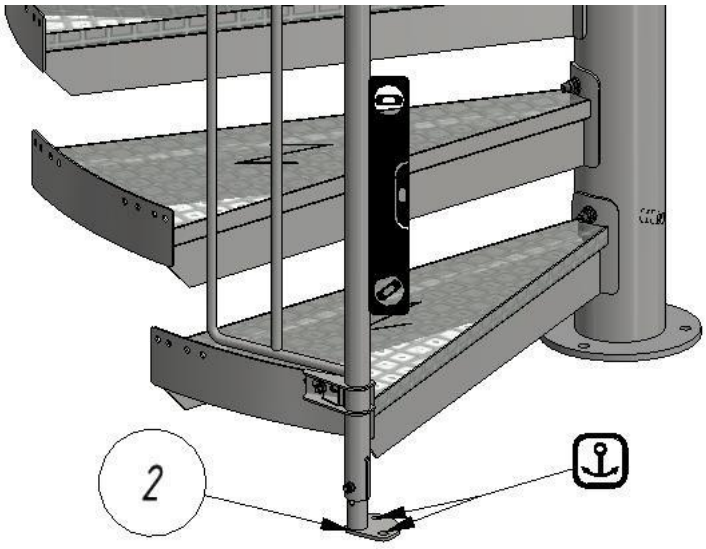
Assembly of railings on landing - straight exit variant.



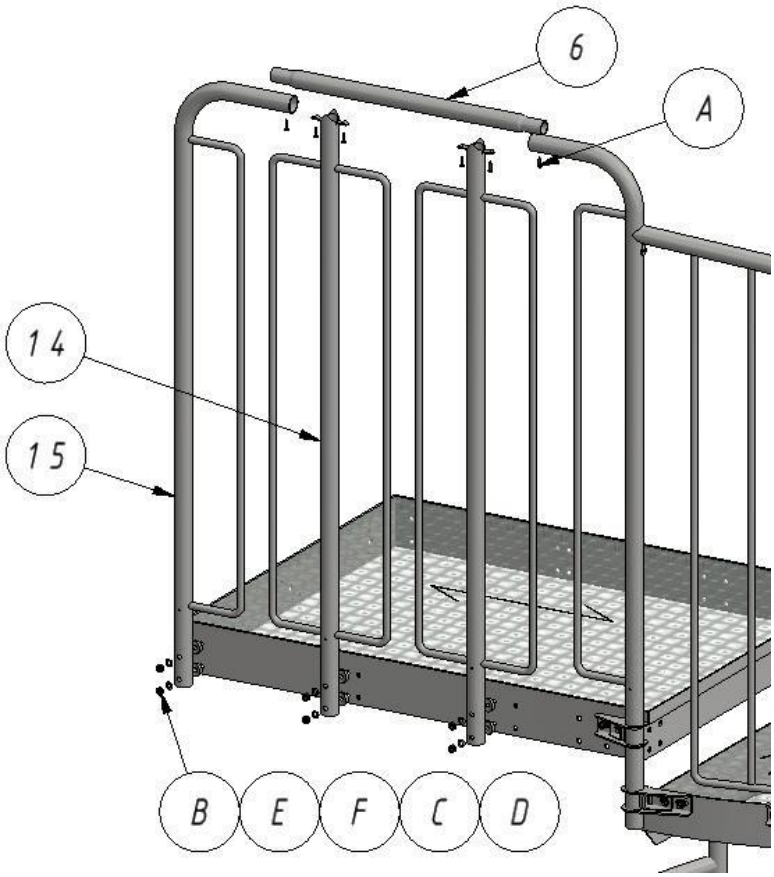
Assembly of railings on landing – side exit variant.

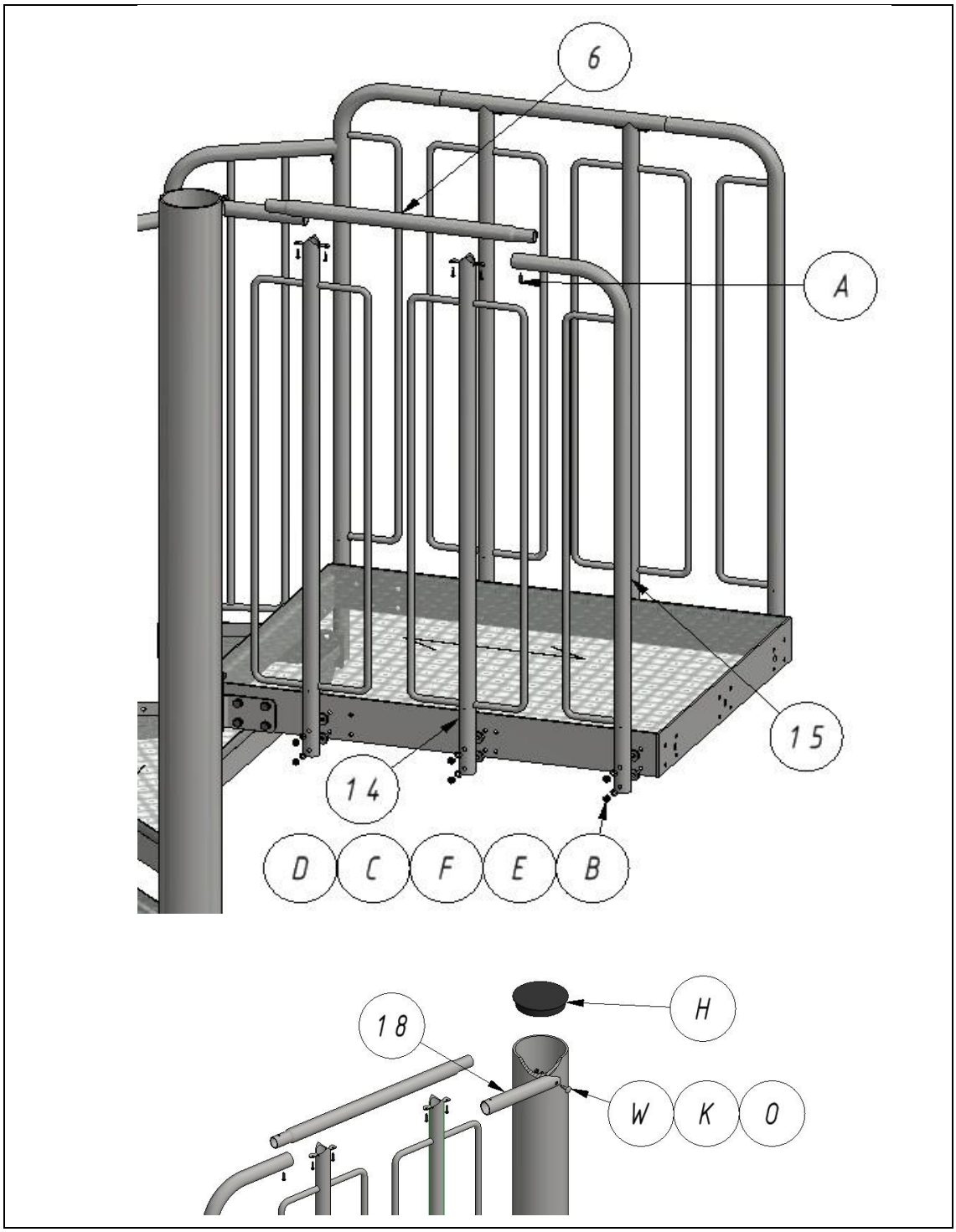


Anchoring of first rail post.

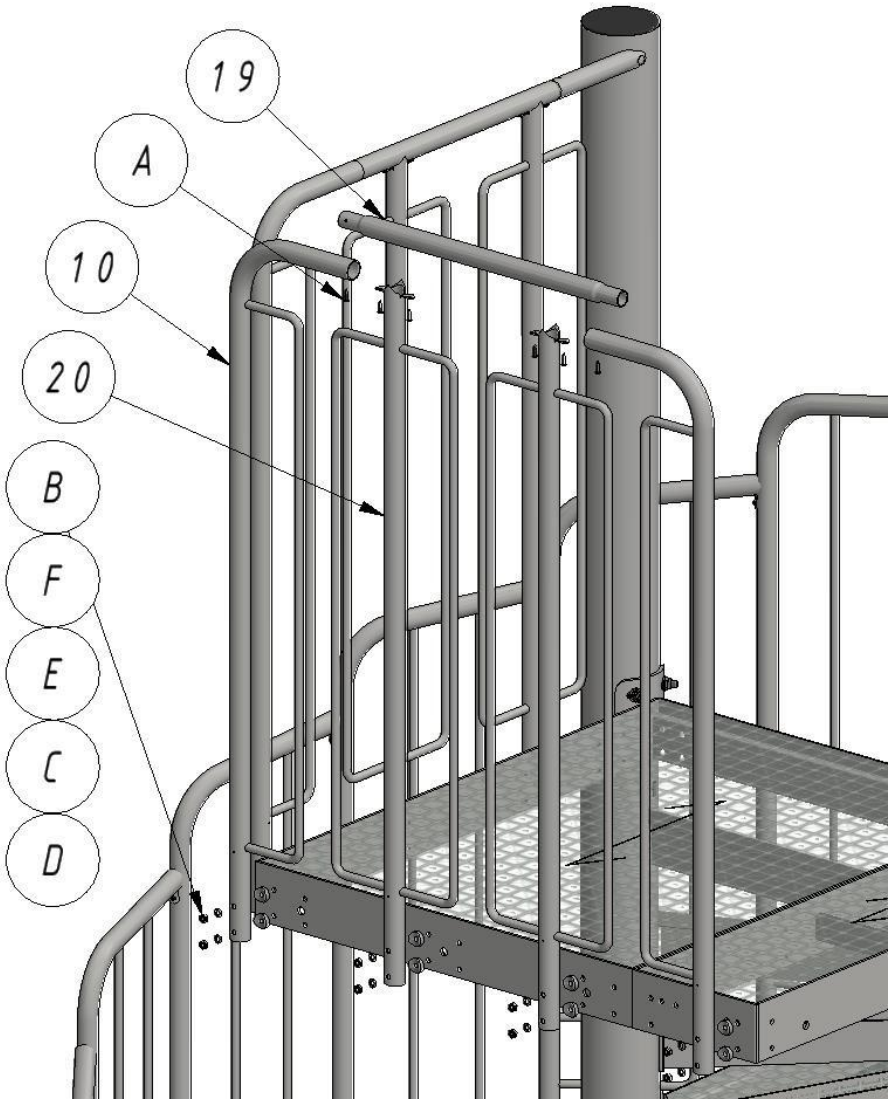


Assembly of intermediate railings on landing - straight exit variant.

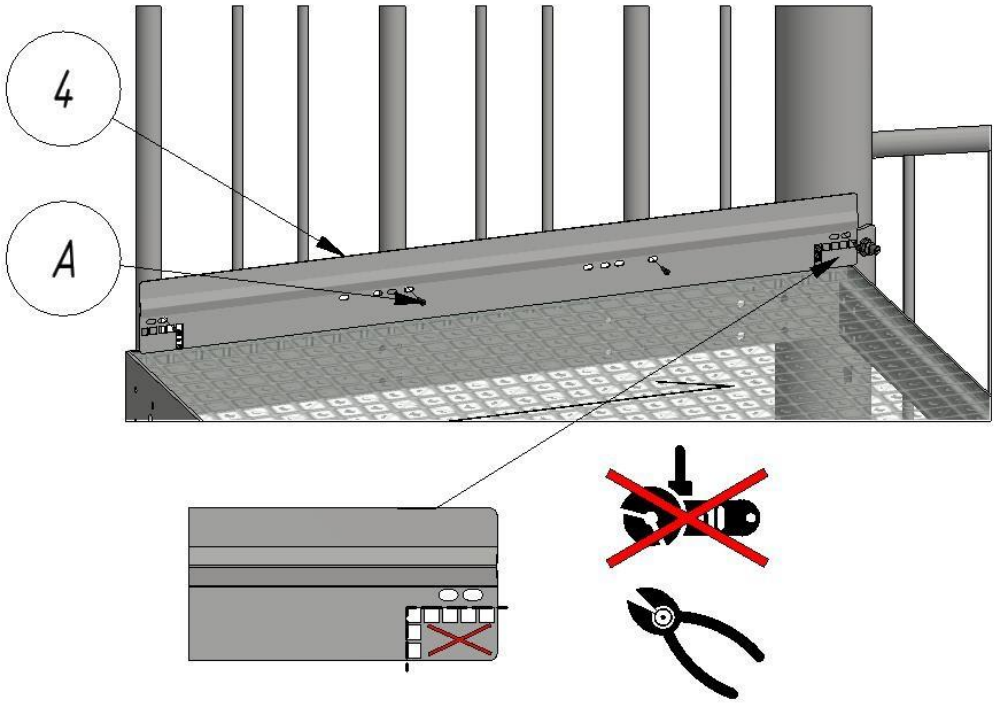


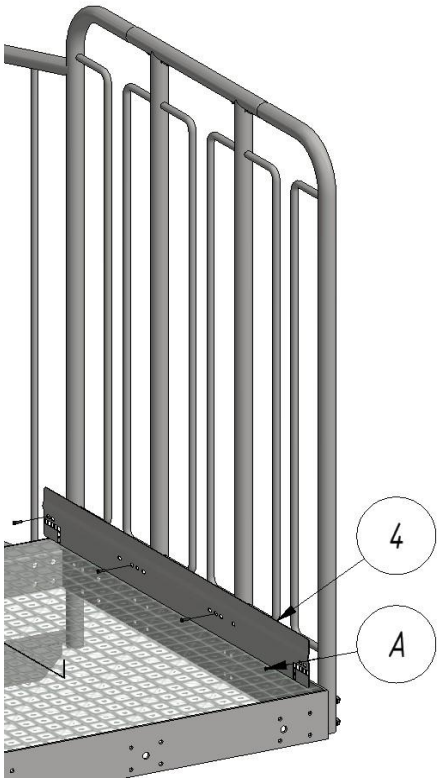

6
A
15
14
D
C
F
E
B
18
H
W
K
O

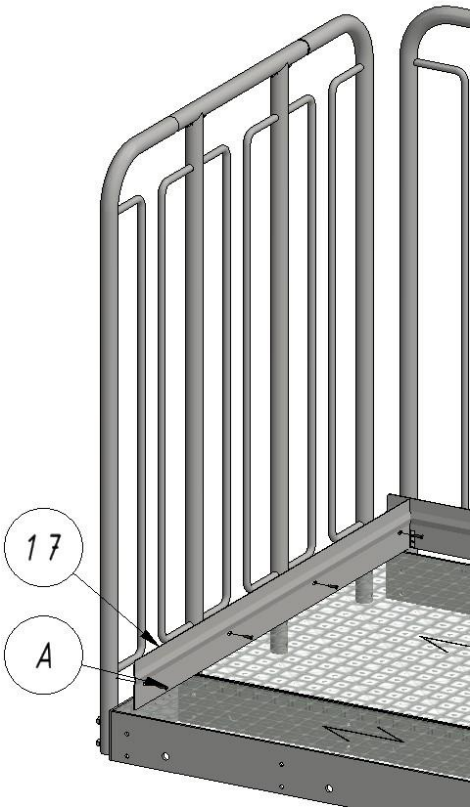
Assembly of intermediate railings on landing - side exit variant.

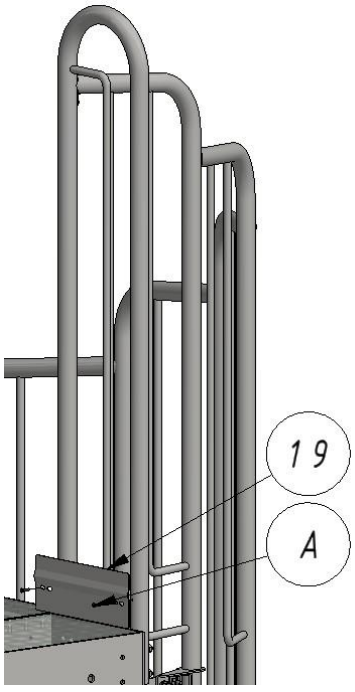


Kickplates assembly.

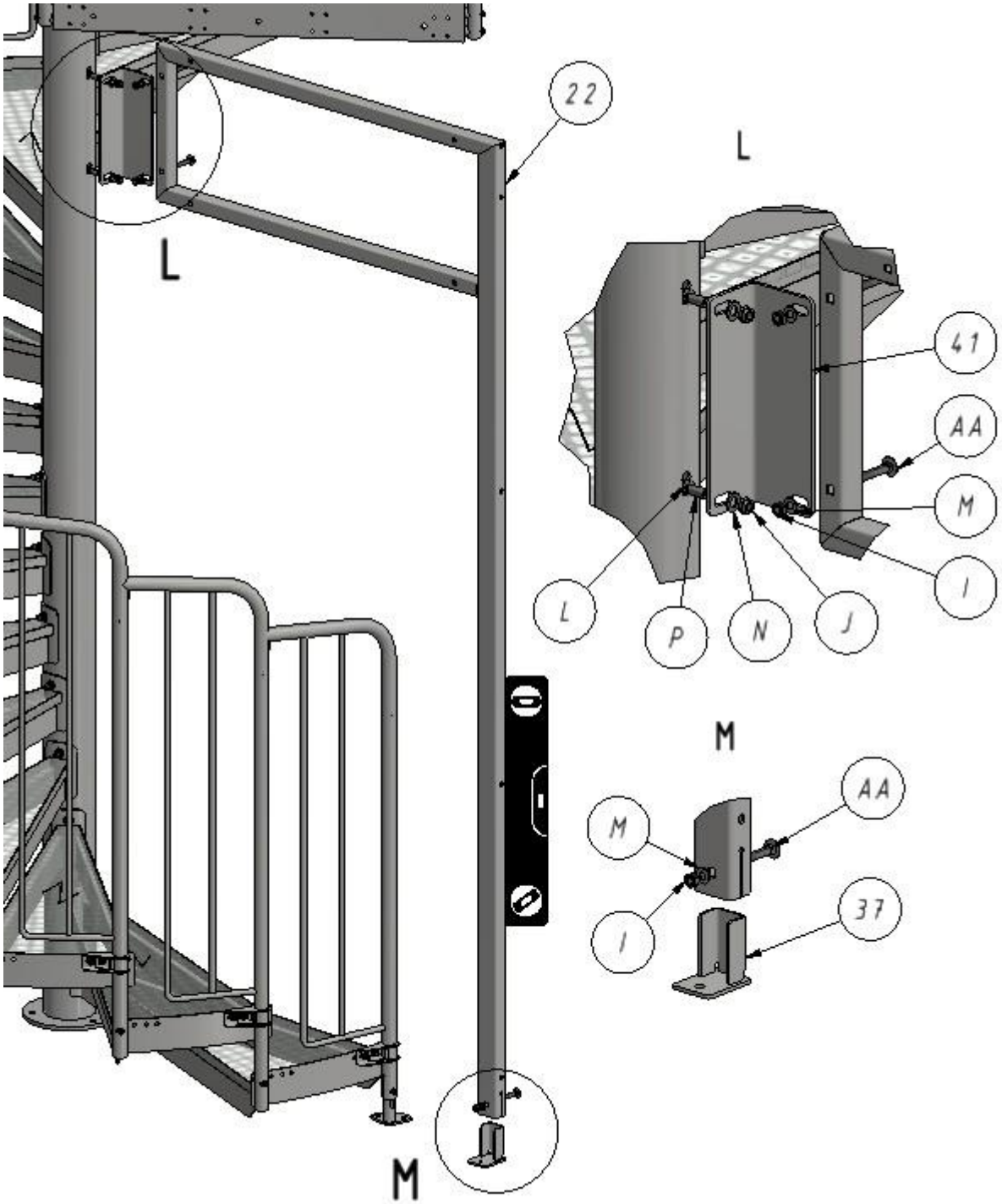


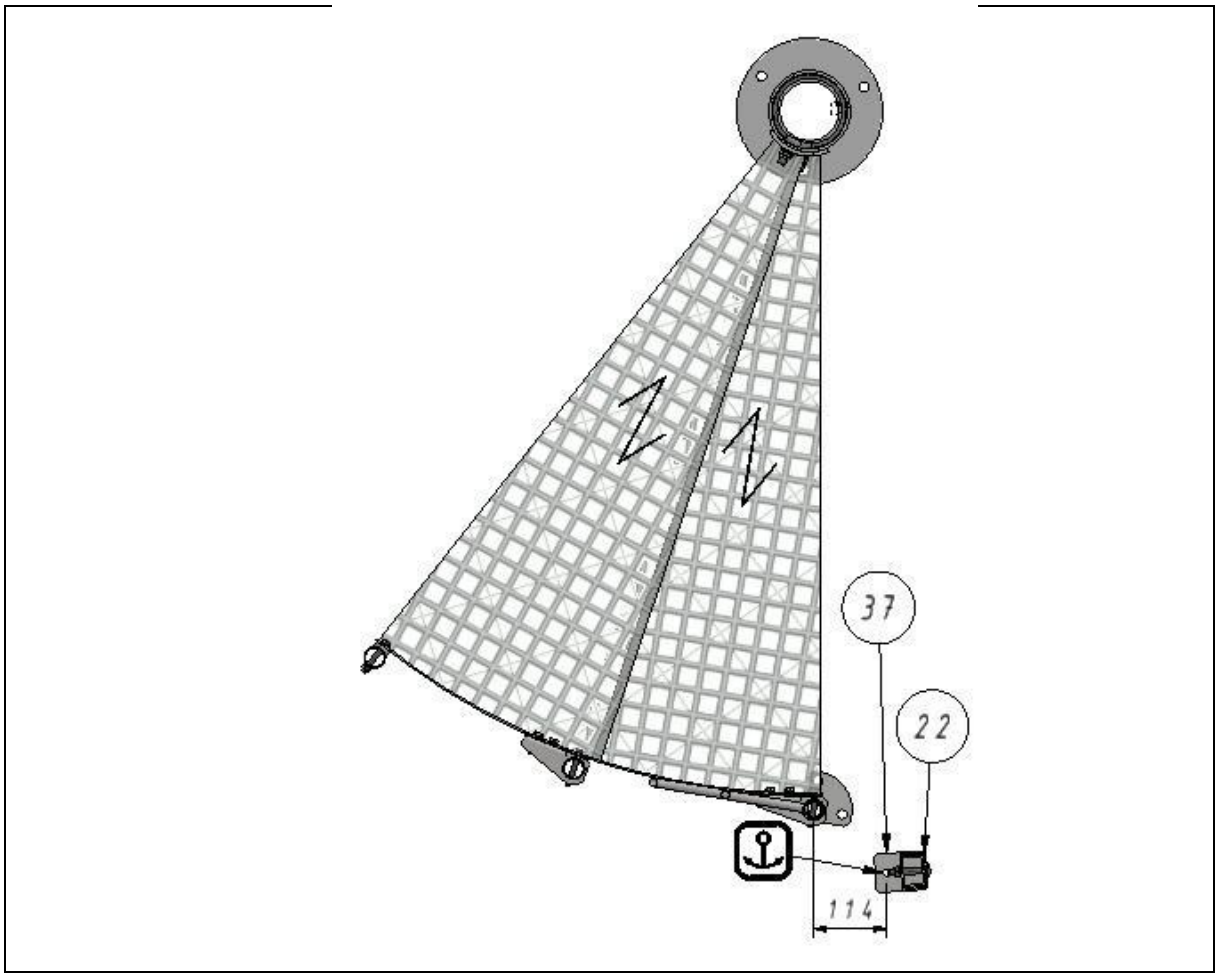


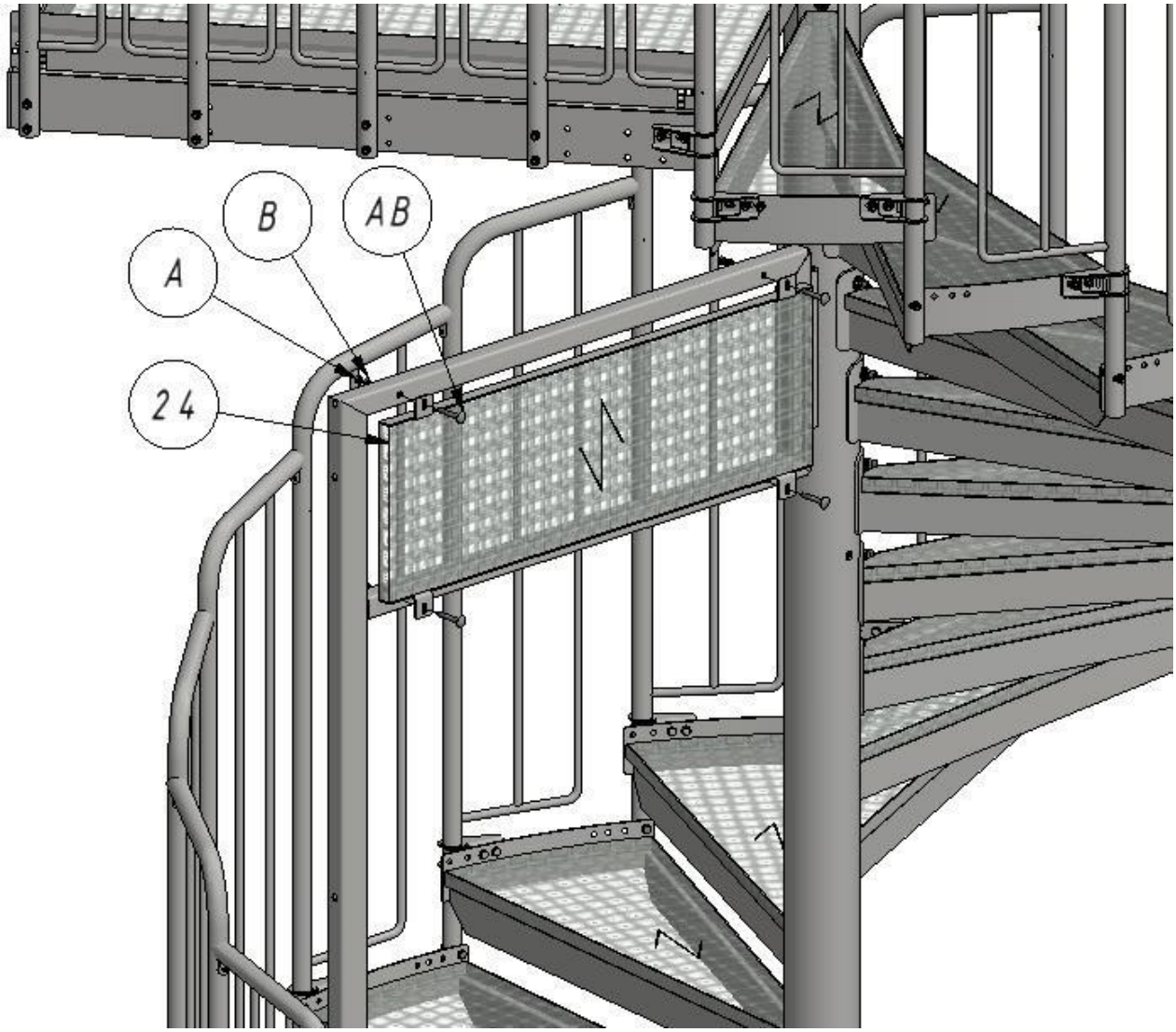

17
A


19
A

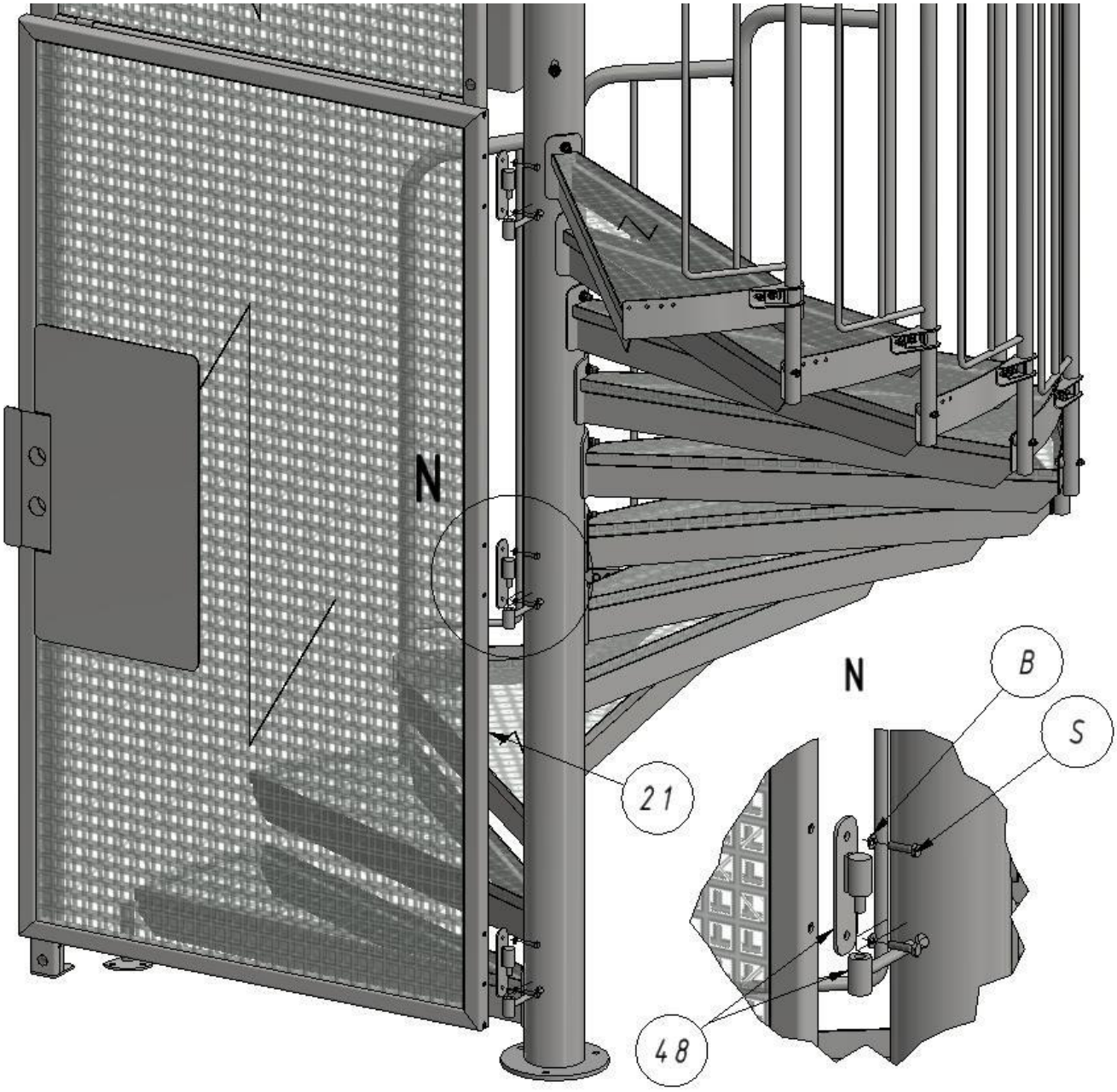
Door frame installation.



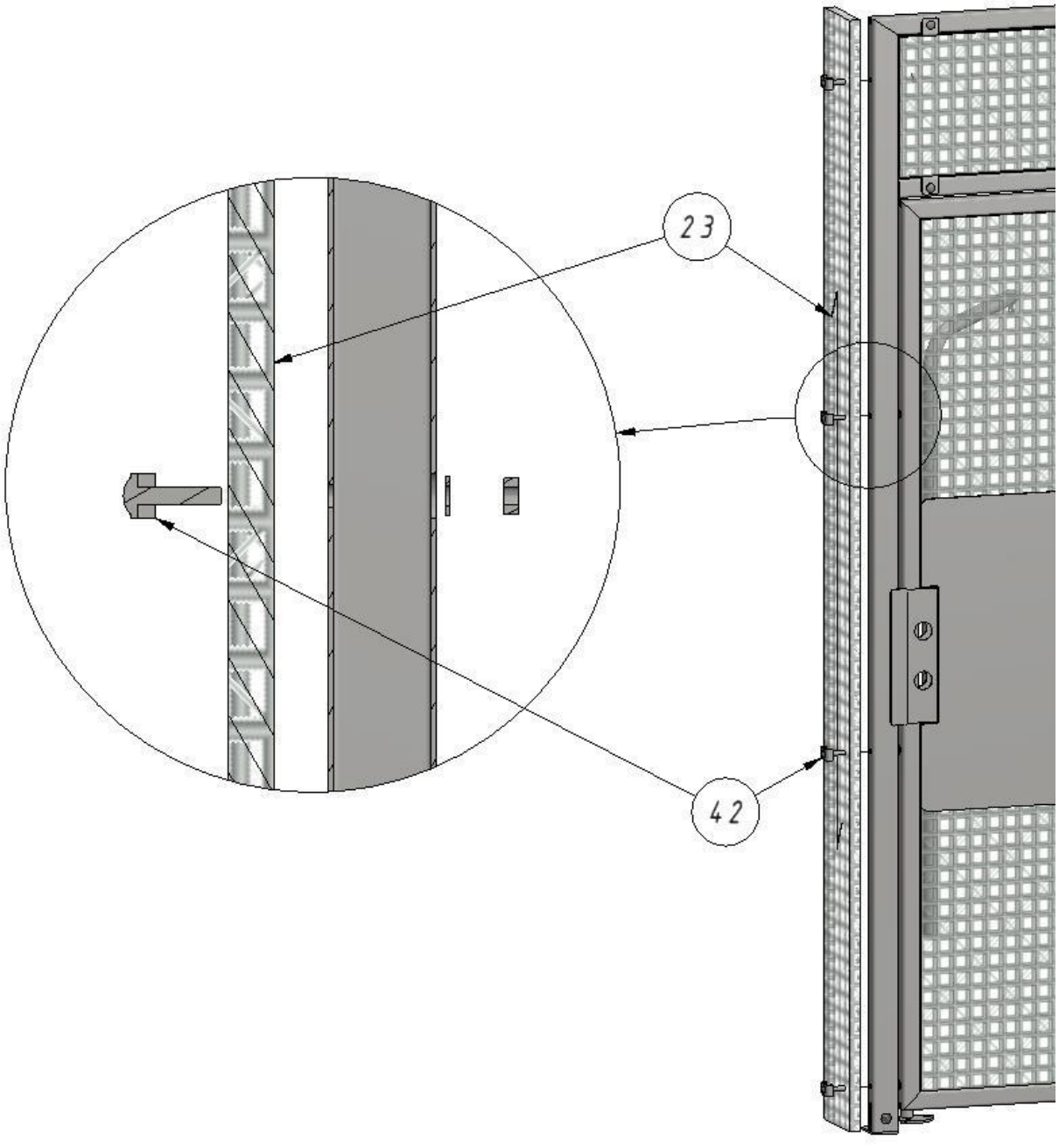

37
22
114


B
AB
A
24

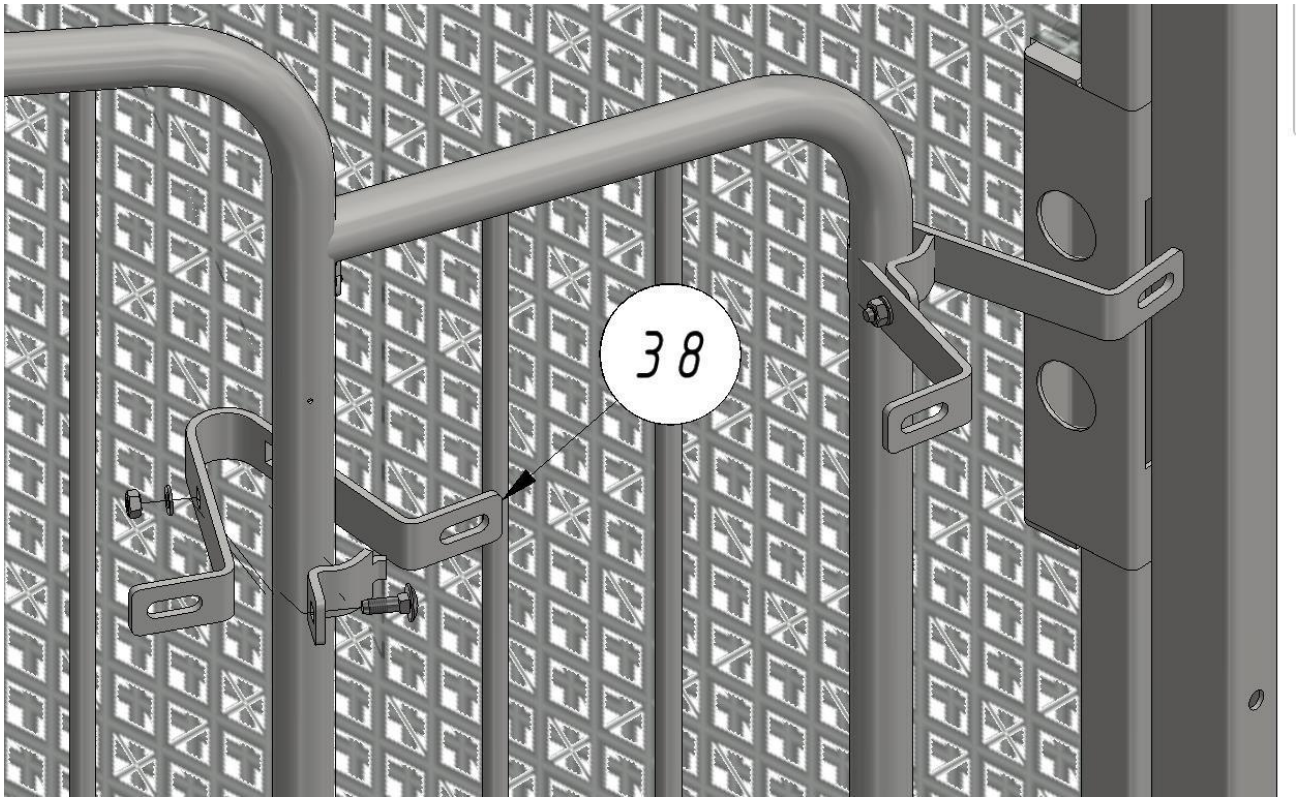
Door leaf installation.



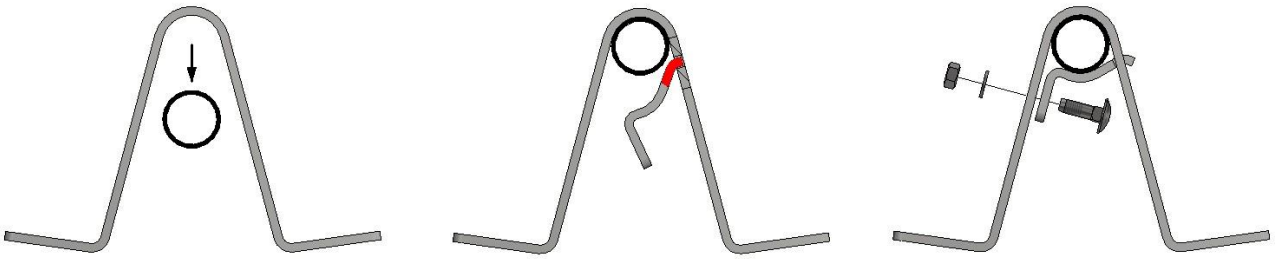
Supplementary grating installation.

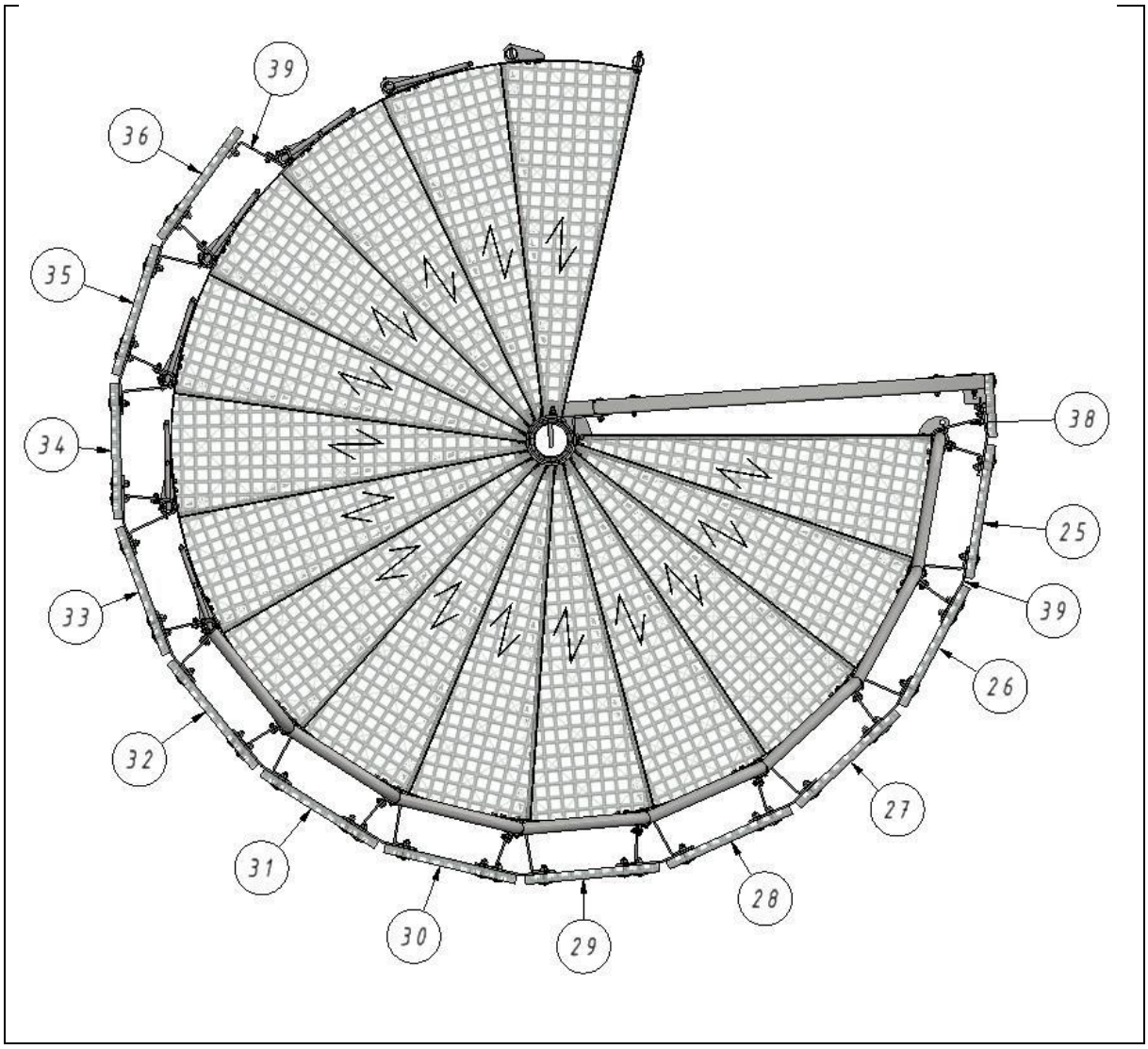


Brackets for gratings installation.



CR-L1/CR-L2




39
36
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32
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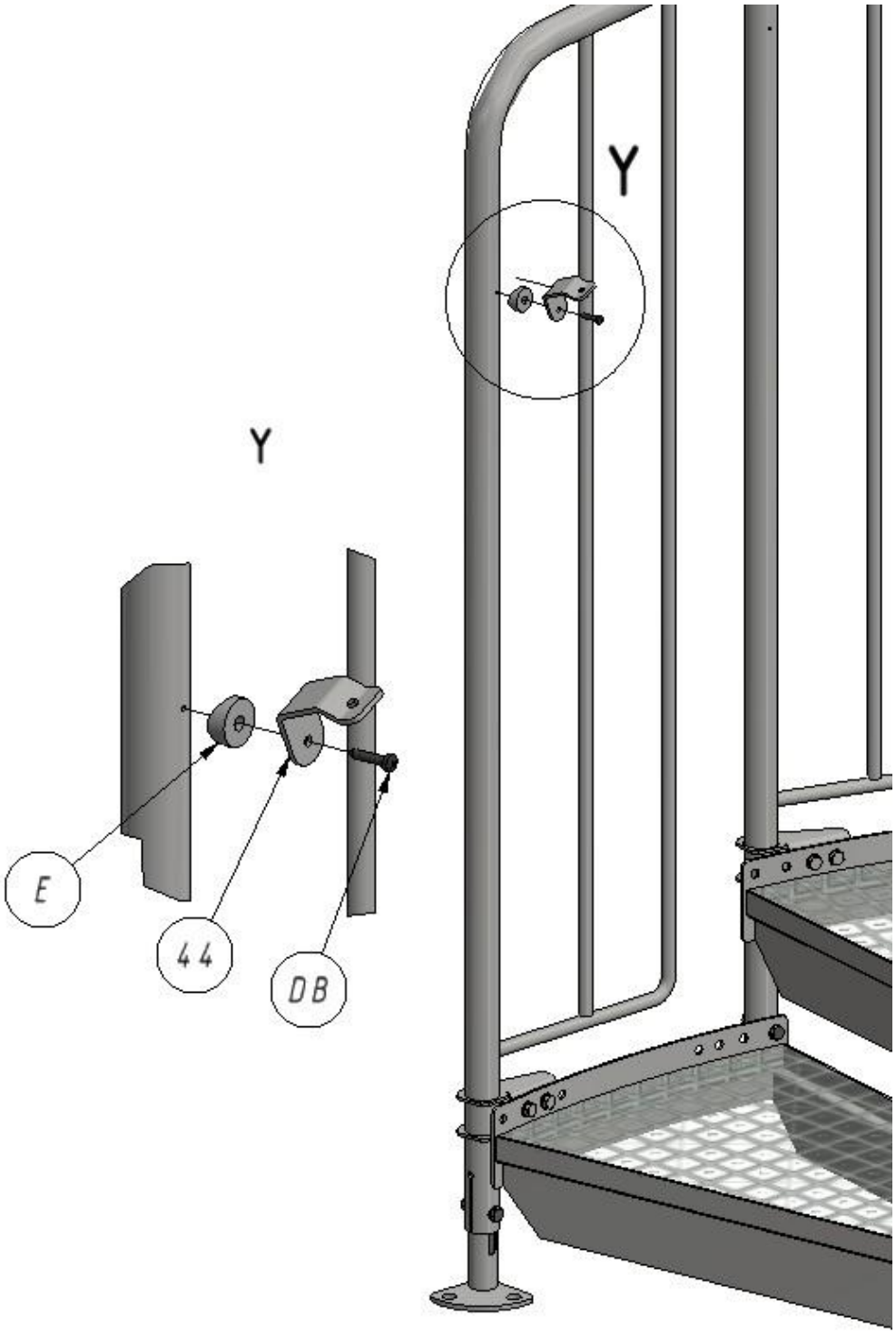
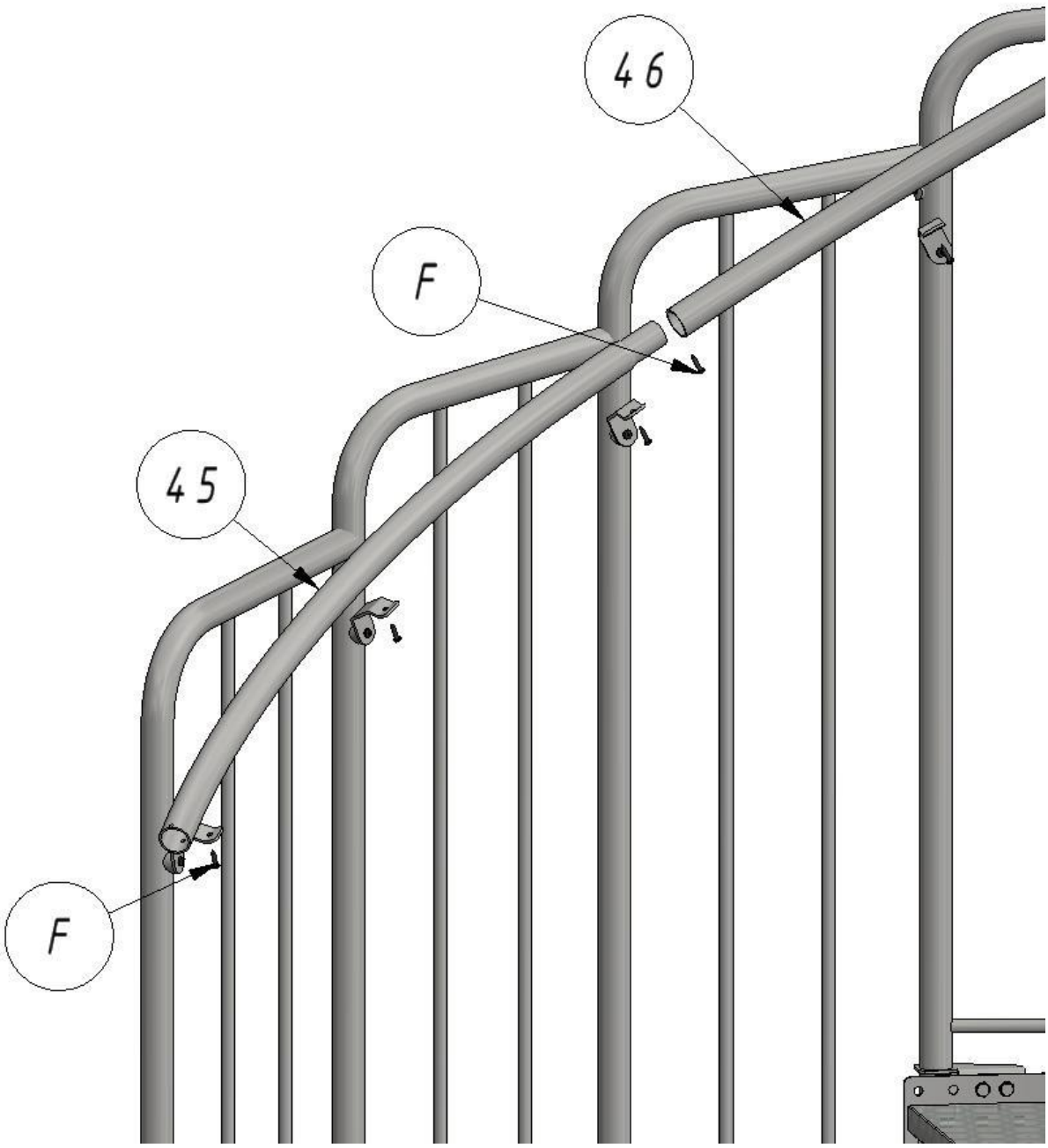
26
39
25
38

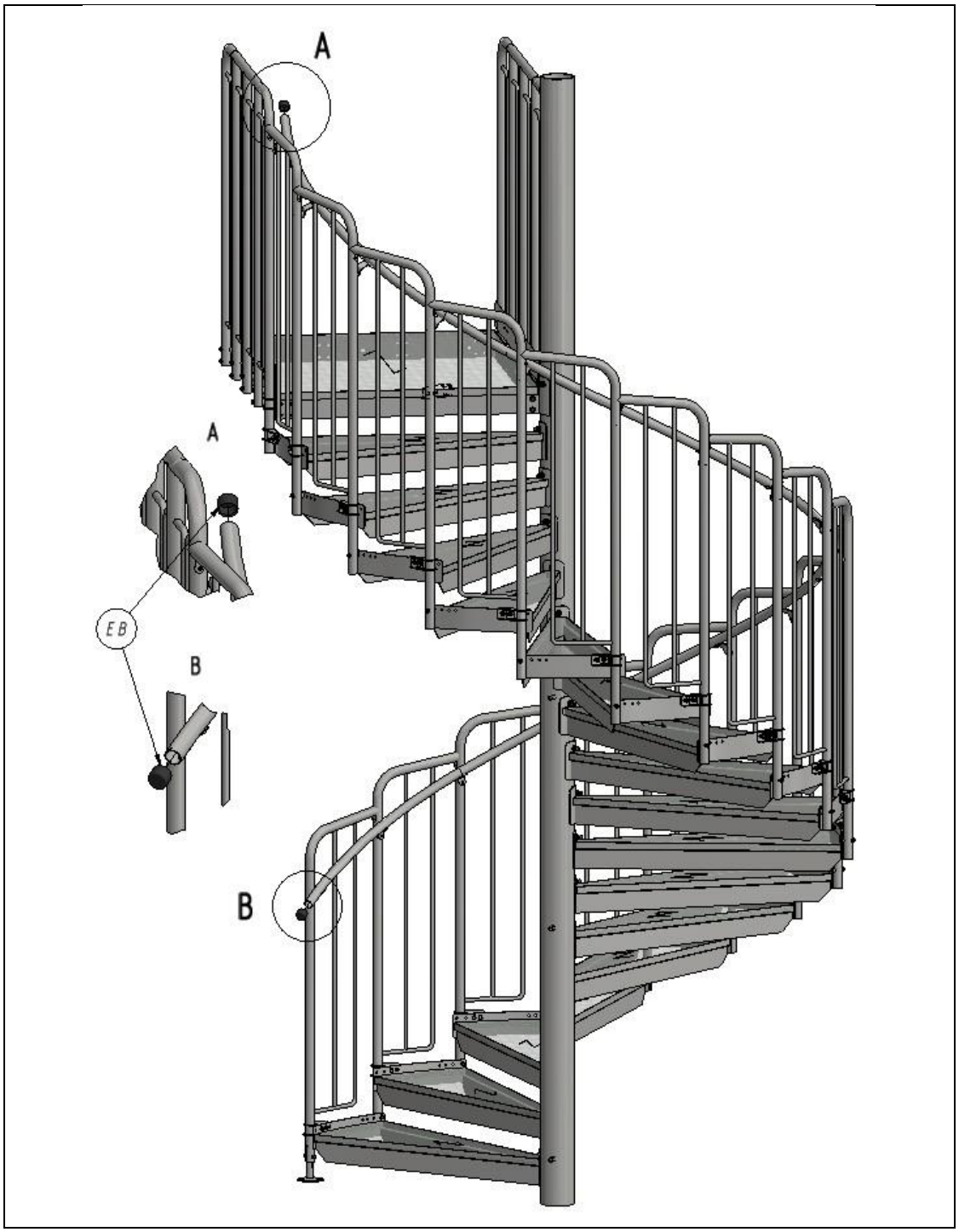
Brackets installation.



Inner handgrip assembly.




47
100
46


A
A
EB
B
B