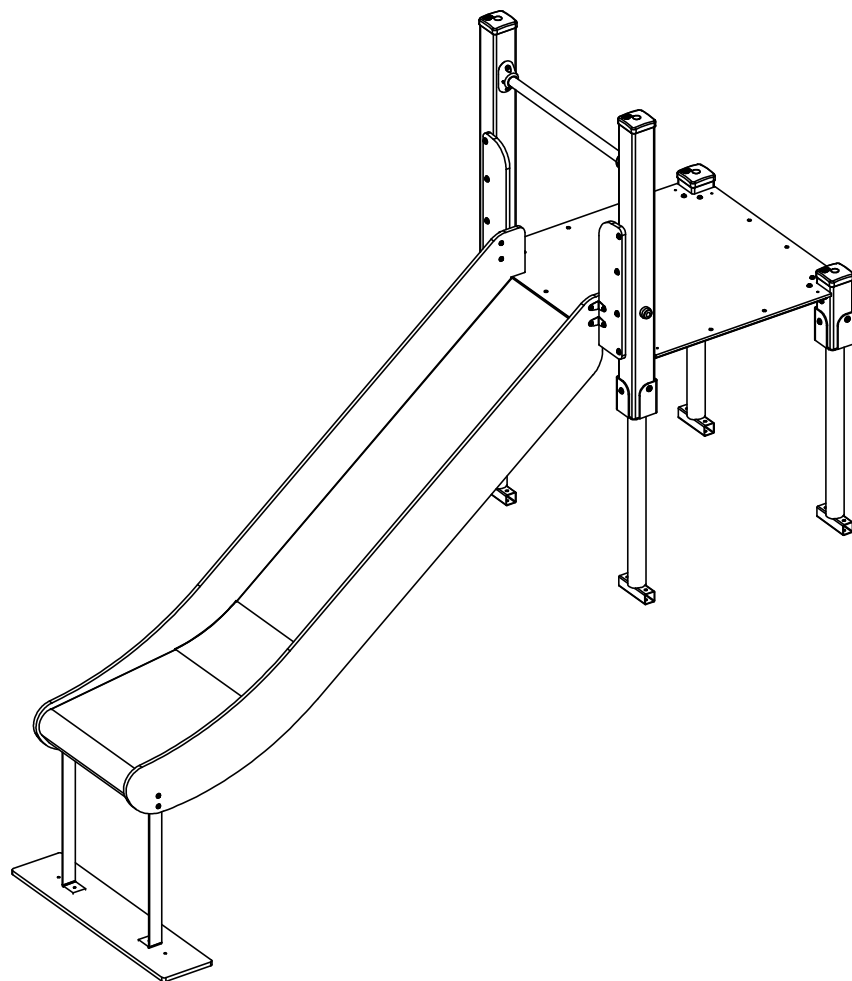
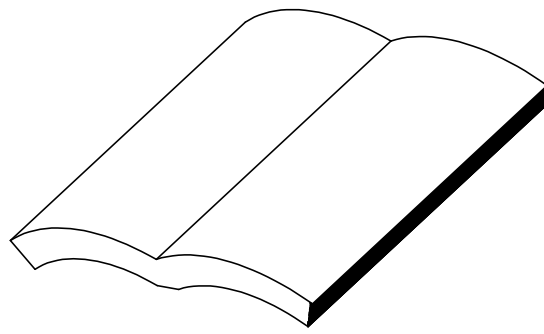
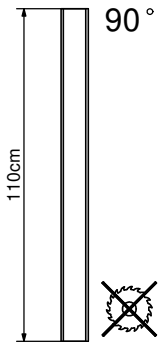


8060N

8060

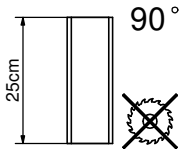
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E1



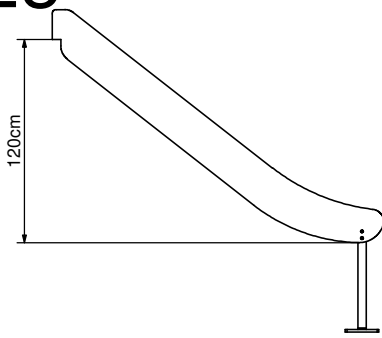
x2

E2



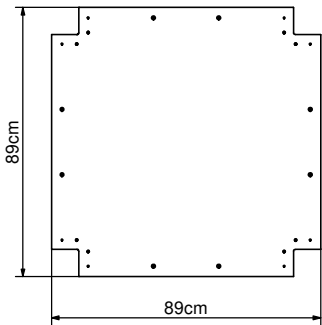
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E3



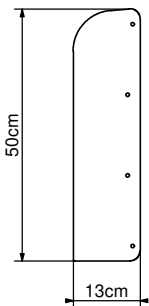
x1

E4



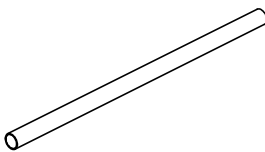
x1

E5



x2

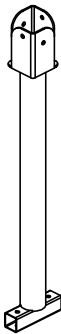
E6



L = 70cm

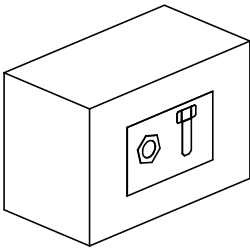
x1

E7

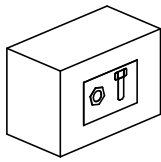


x4

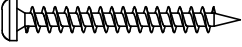
E8

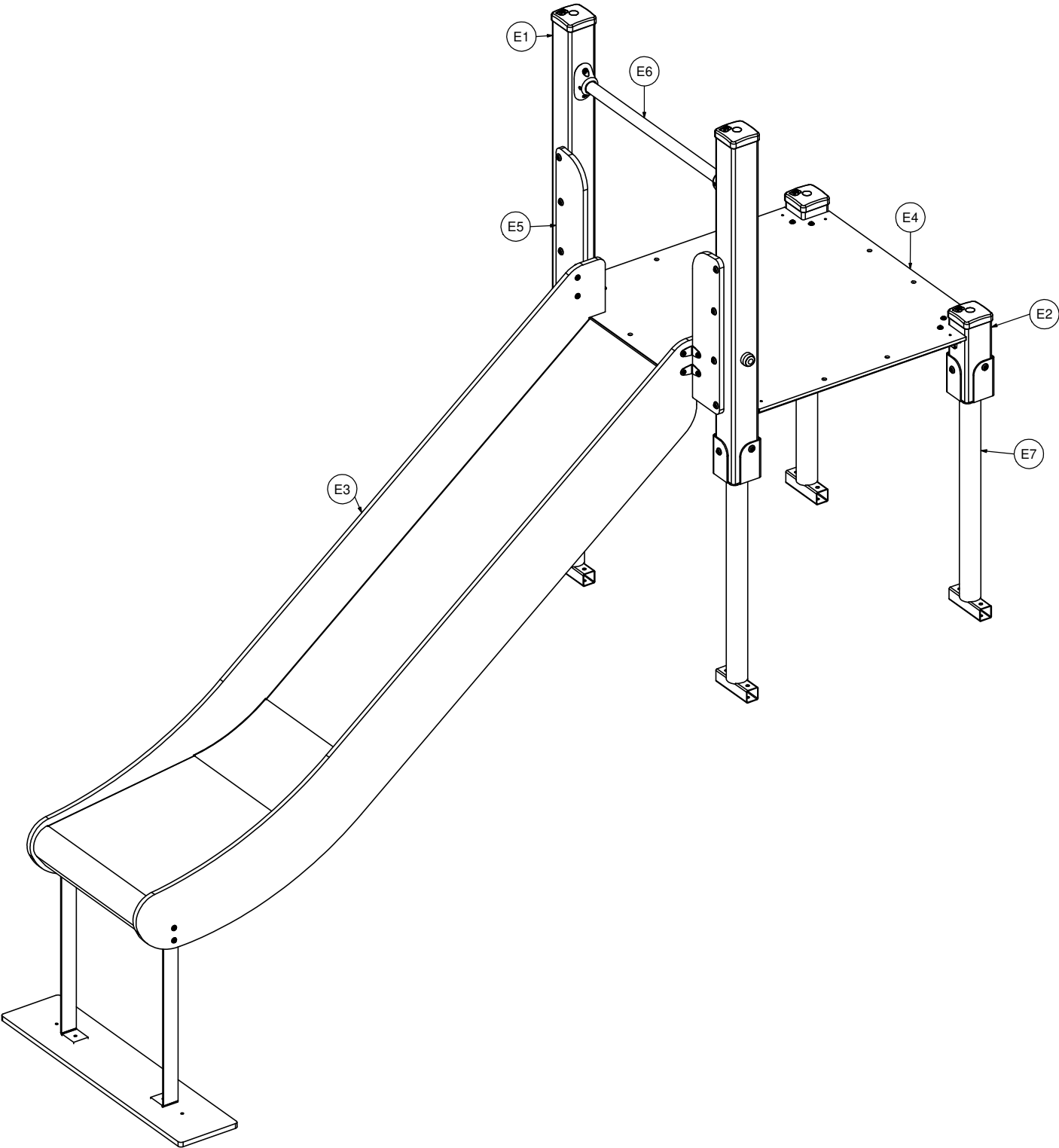


x1



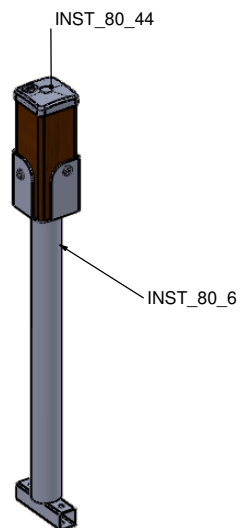
8060N

Nr	Element			Σ
1		-	S6x60	41
2		-	W6x60	32
3		-	K2_d30_B	1
10		DIN 9021	6x18	4
21		DIN 125	8x16	21
22		DIN 125	6x12	8
24		ISO 7380	M6x16	8
29		-	K_5_A2_g2_ G_v2	4
58		-	LOCTITE	1
109		DIN 913	10x10	4
146		DIN 7991	M6x12	8
147		-	M6x10	16
148		-	CONET ECO	4
149		-	ALUZ SD	2
179		-	Z_ECO_1	4
180		-	K_ECO_1	4
213		-	Z_NA_1	1
214		-	Z_NA_2	1



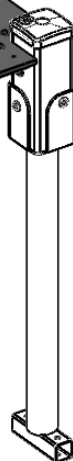
1

8060N



2

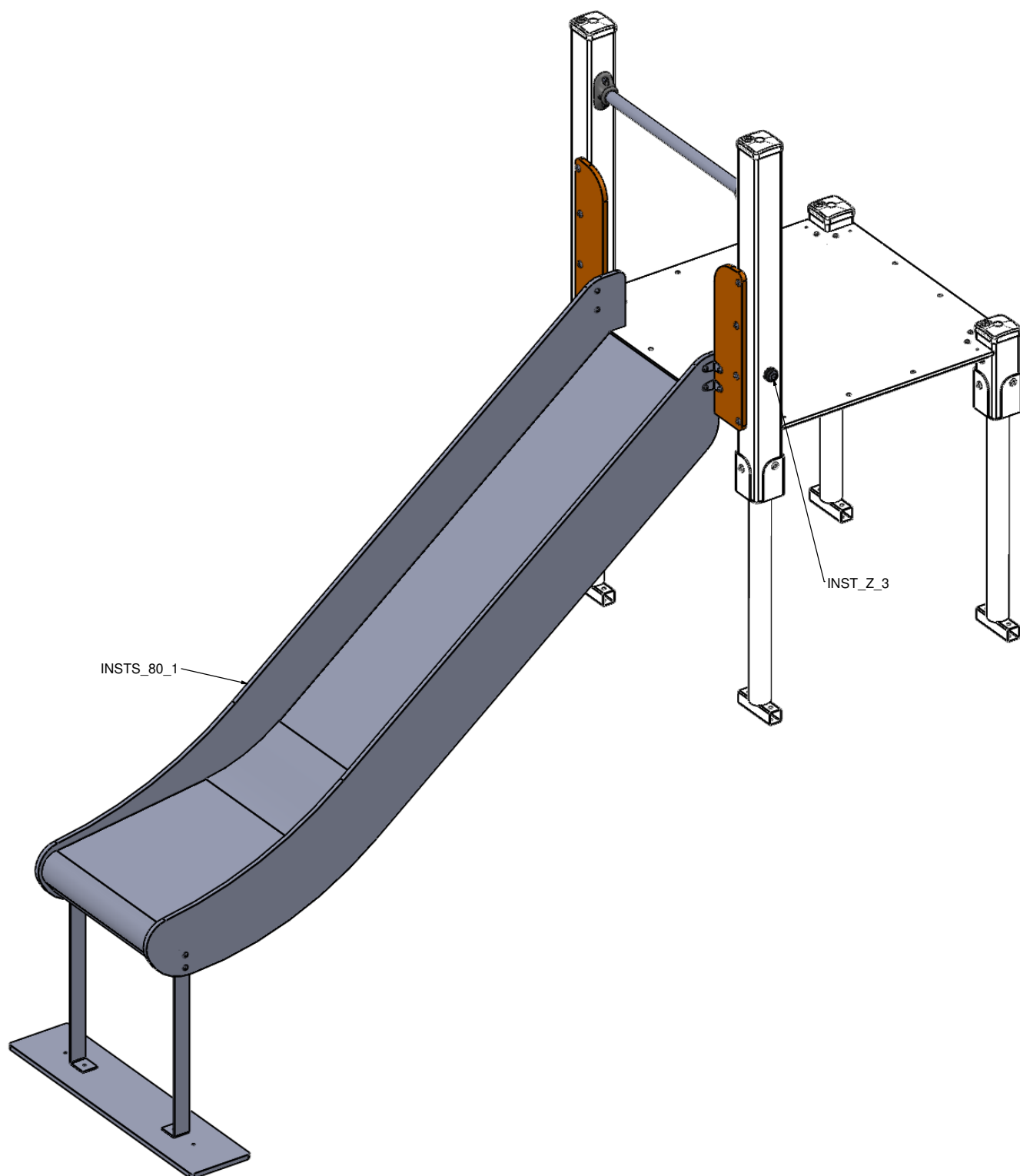
8060N



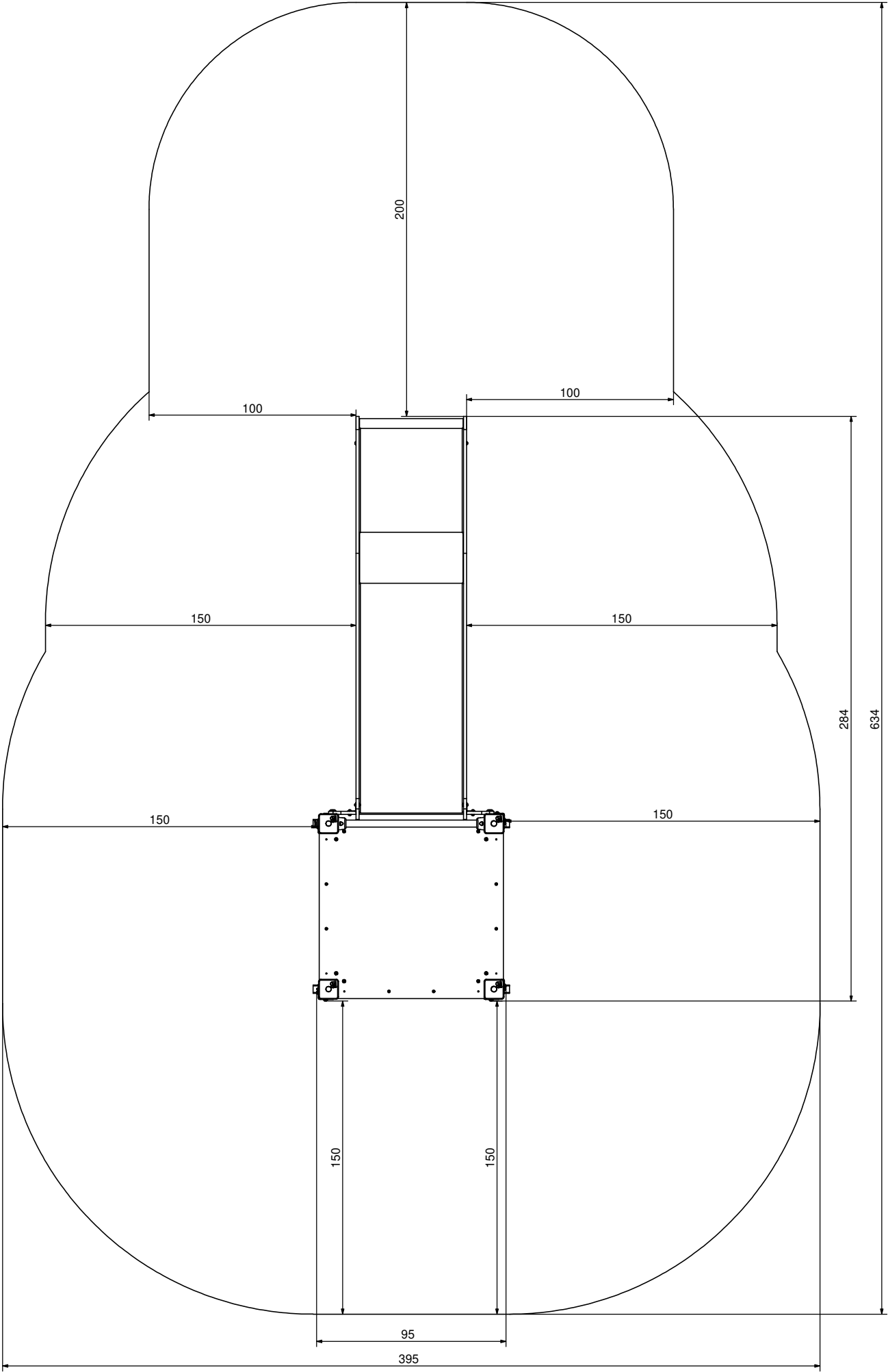
INST_80_2

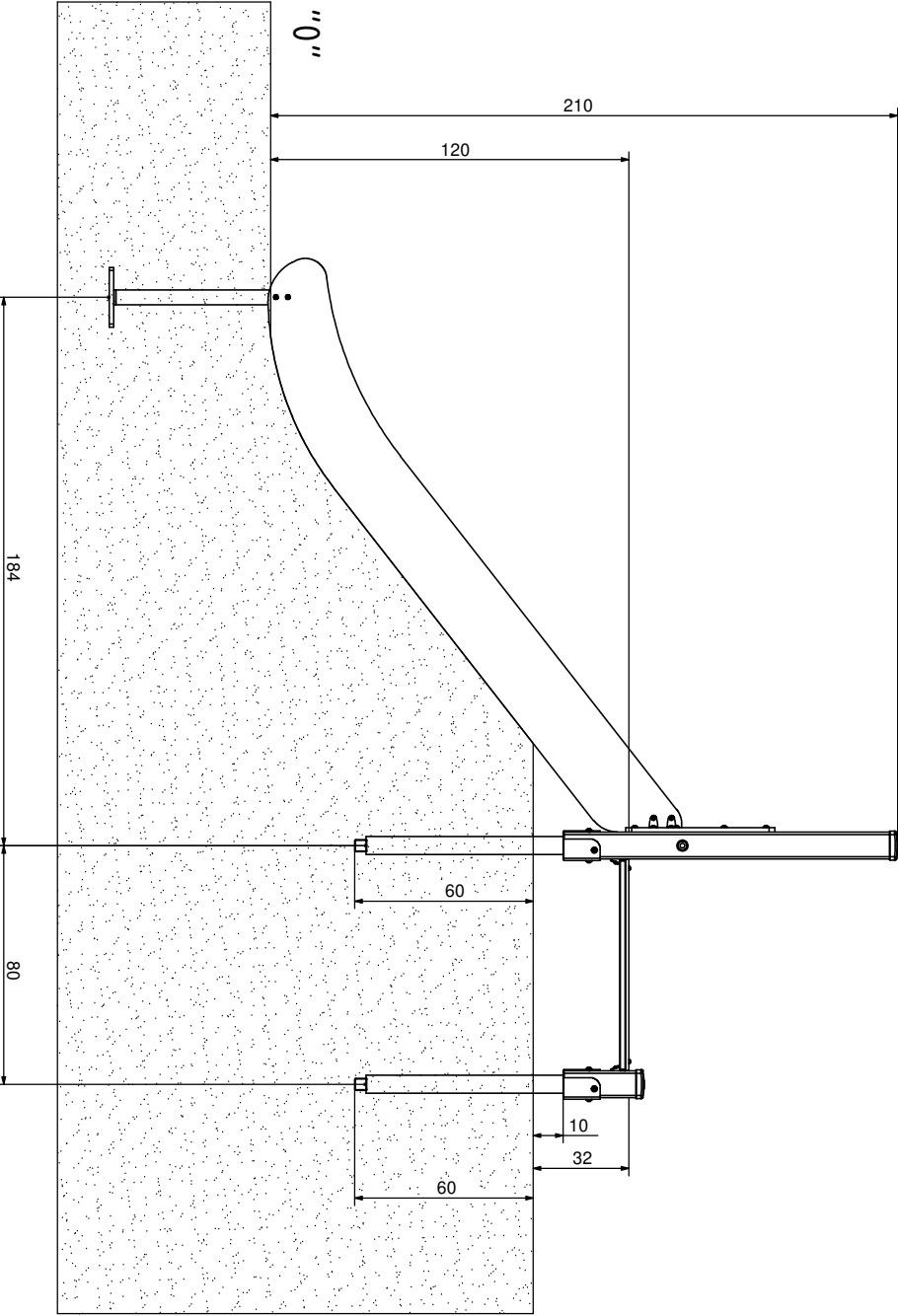
3

8060N

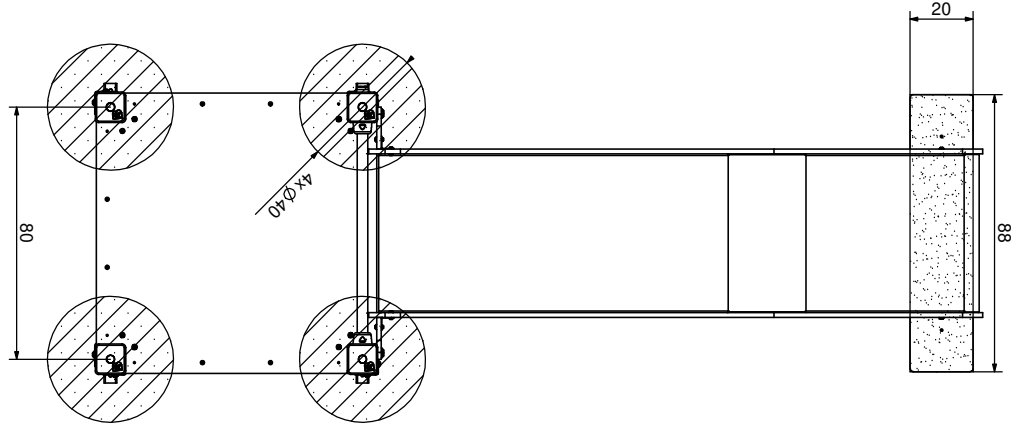


8060N





8060N

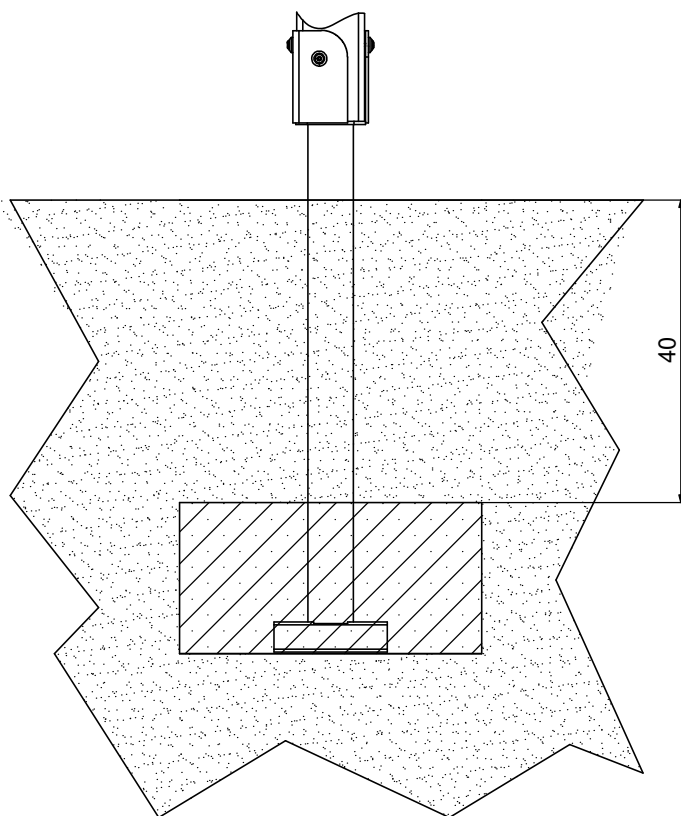
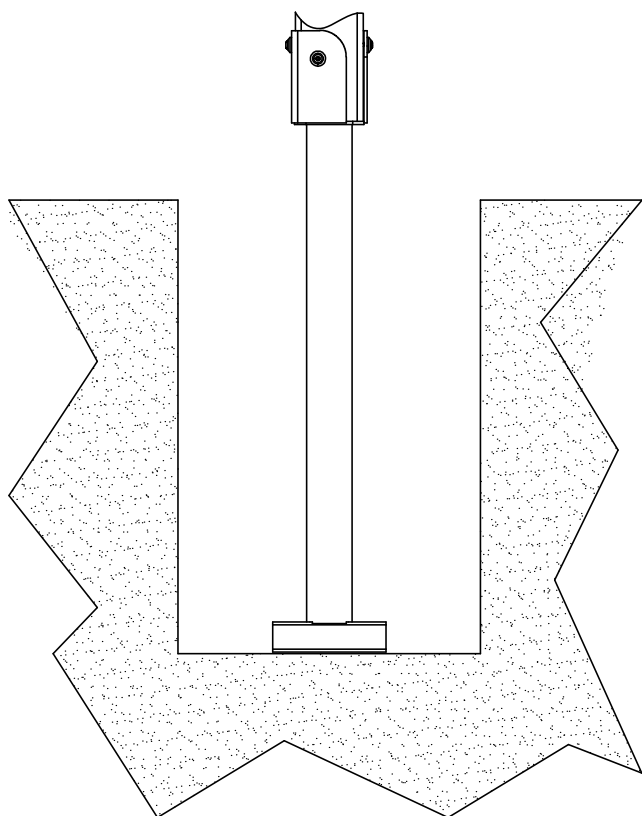
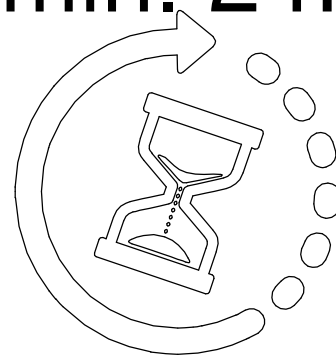
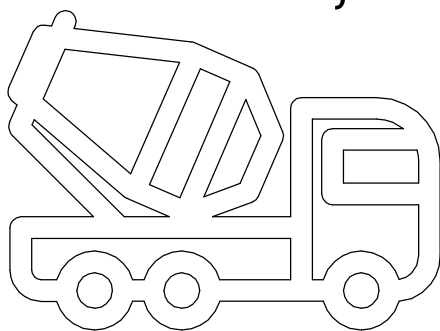
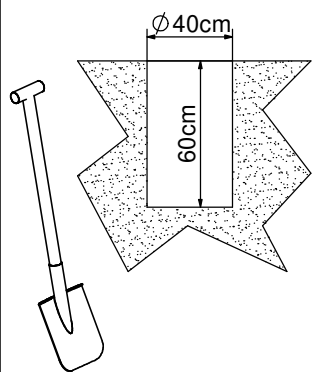


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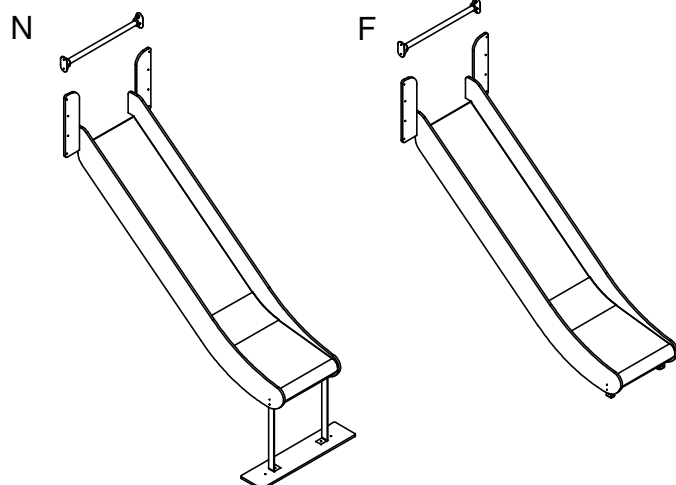
8060N

B15 0,1m³

min. 24H

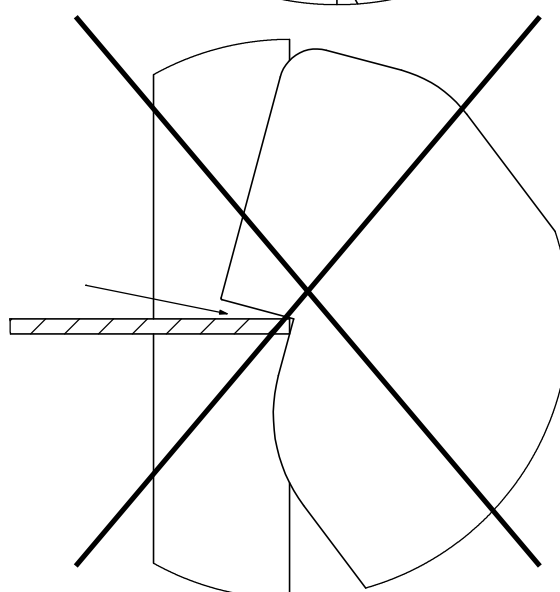
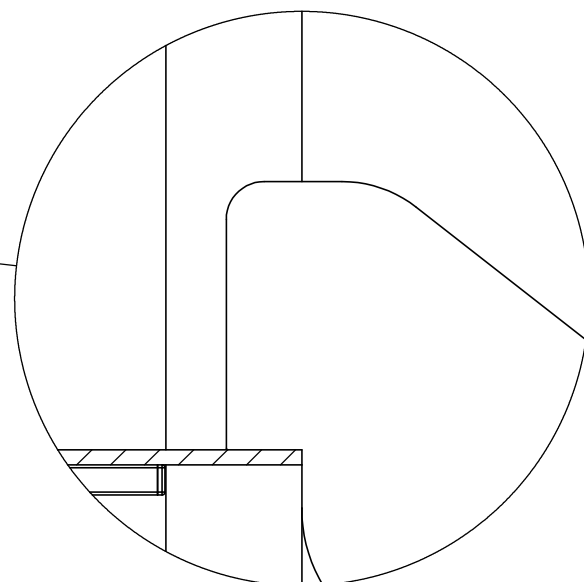
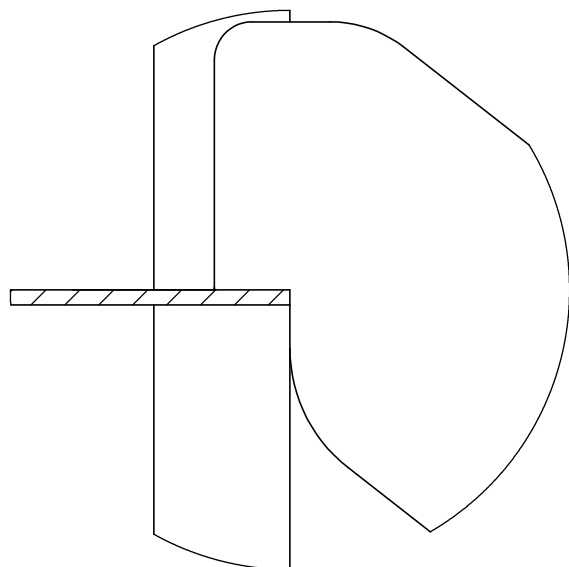
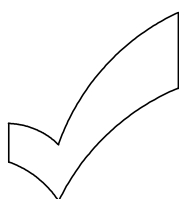
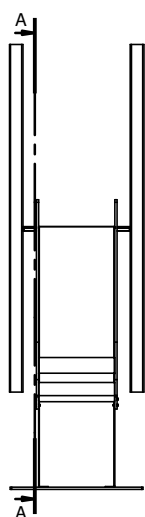


INST_80_1



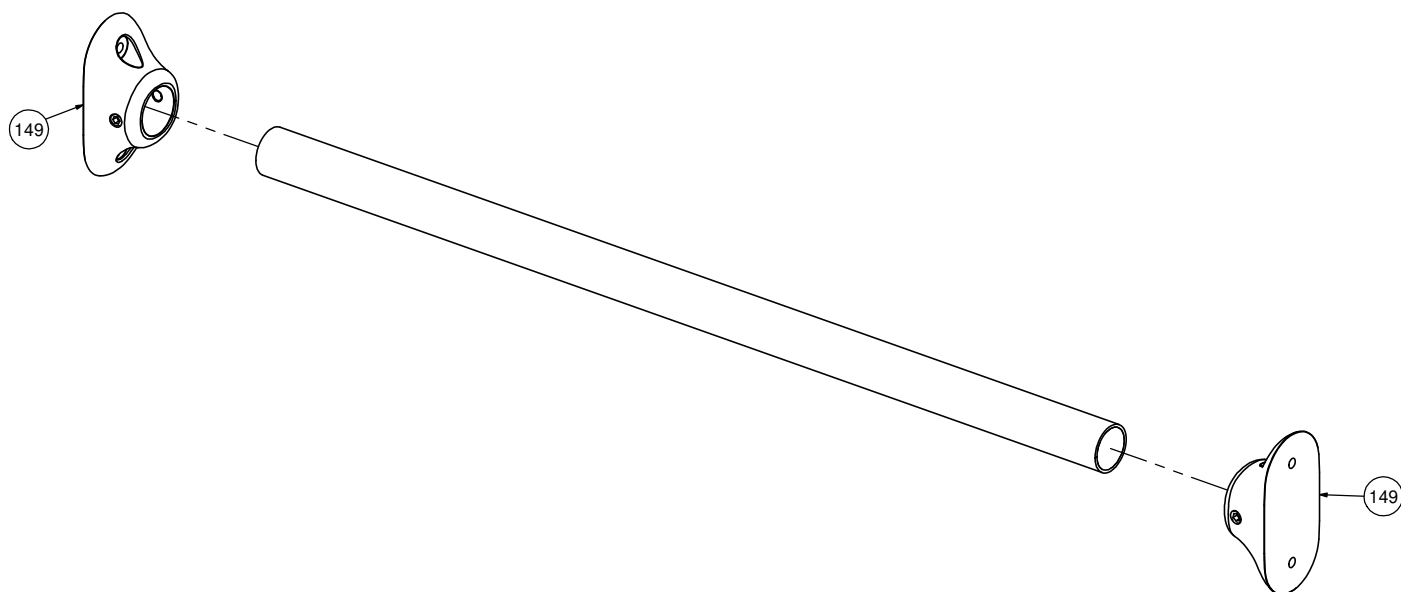
1 N,F

A-A

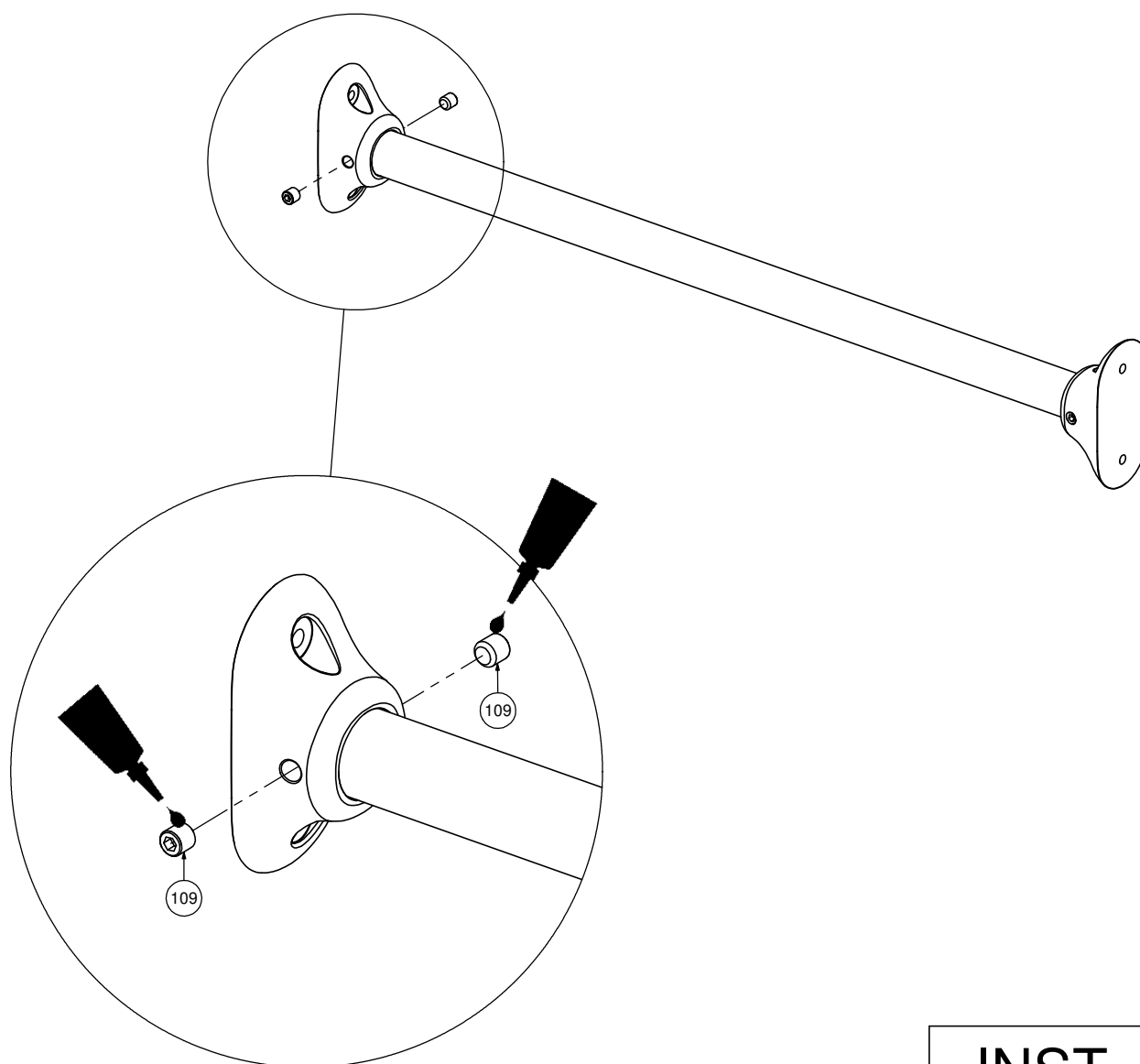


Nr:	Σ	Element:	
1	12x	S6x60	
2	8x	W6x60	
21	12x	DIN 125 - 8x16	
22	8x	DIN 125 - 6x12	
24	8x	ISO 7380 - M6x16	
29	4x	K_5_A2_g2_G_v2	
109	4x	DIN 913 10x10	
147	8x	BN M6x10	
149	2x	ALUZ SD	

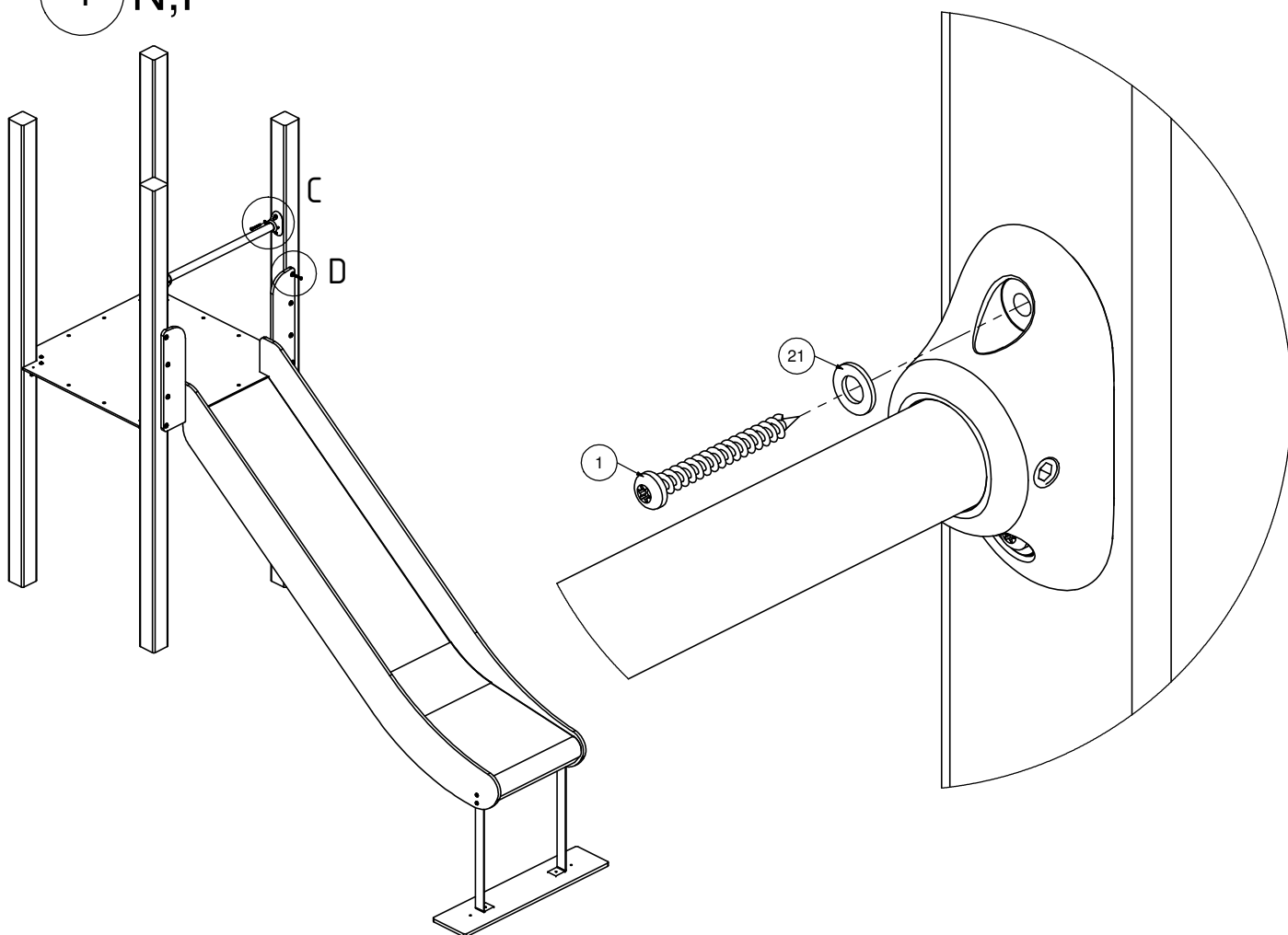
2 N,F



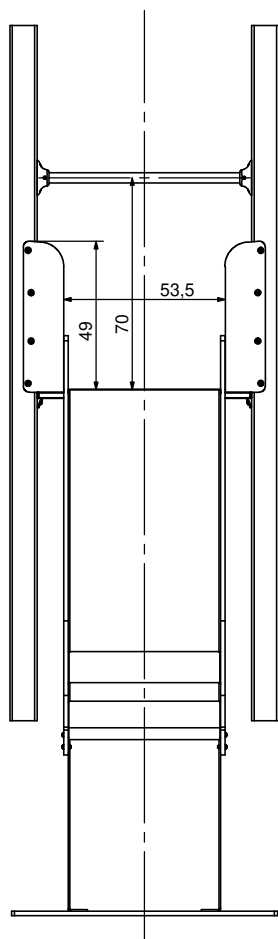
3 N,F



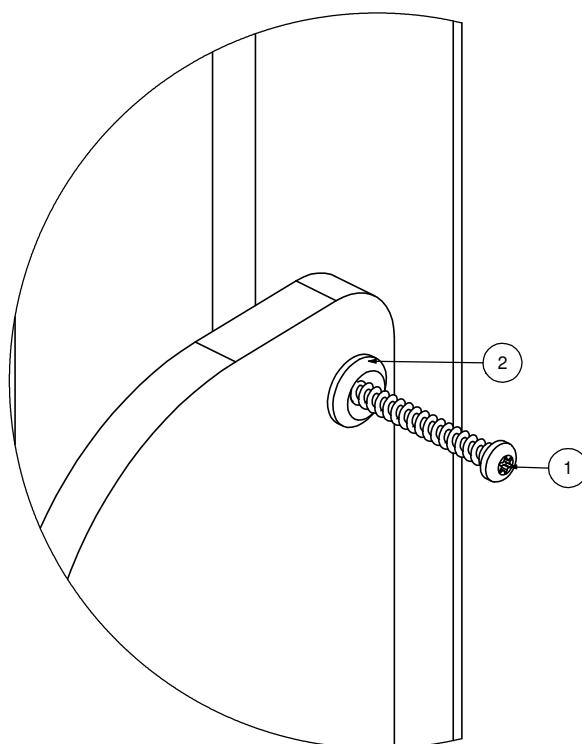
4 N,F



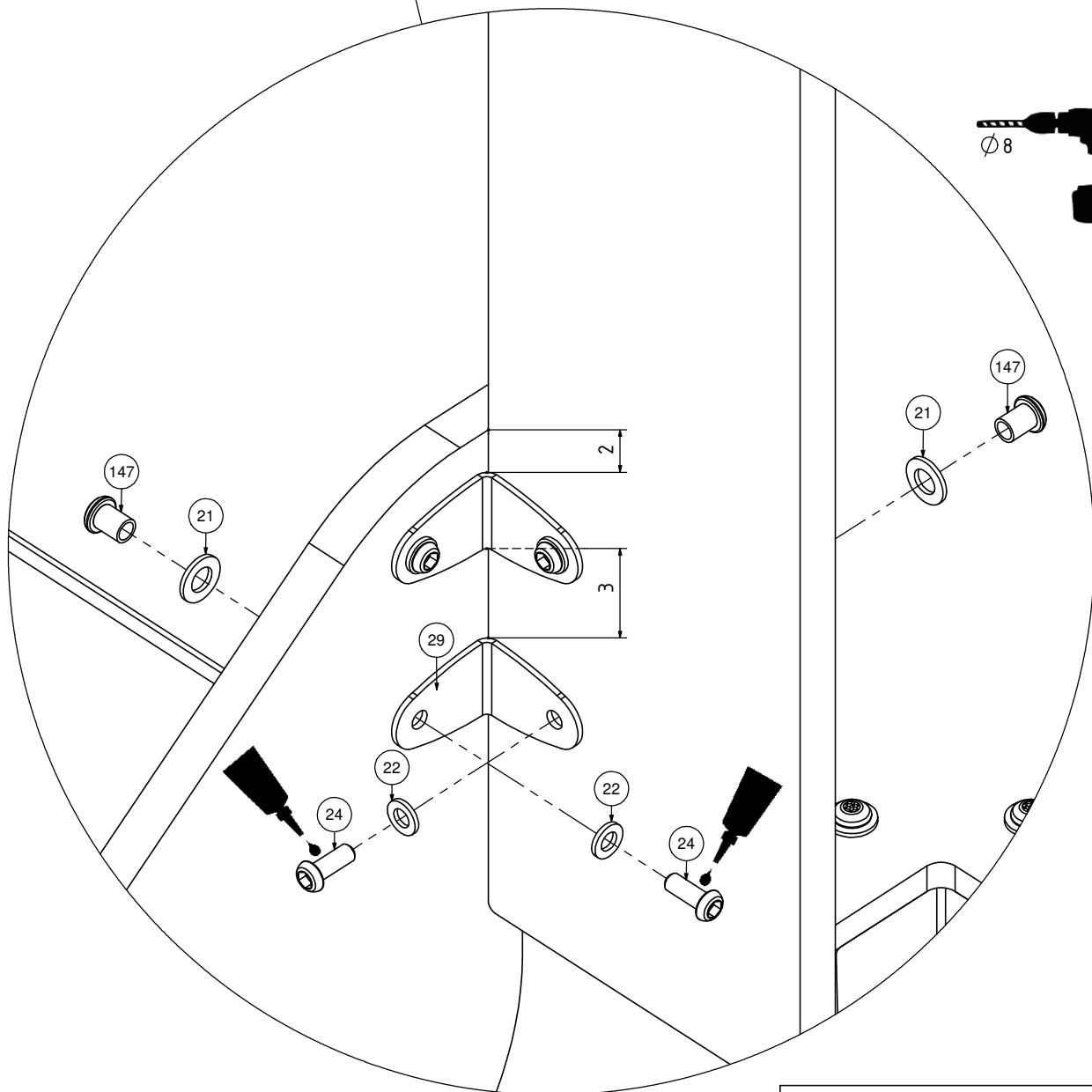
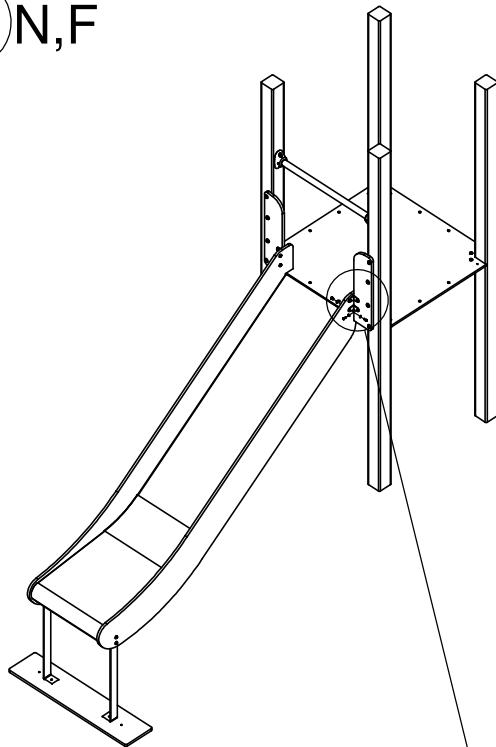
5 N,F



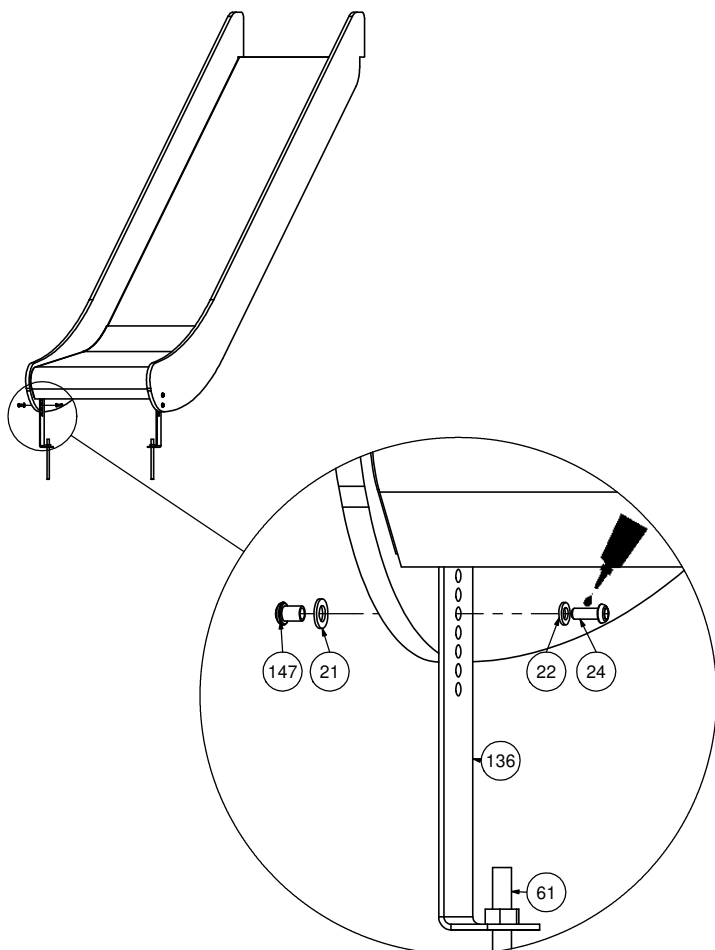
D (1 : 2)



6 N,F

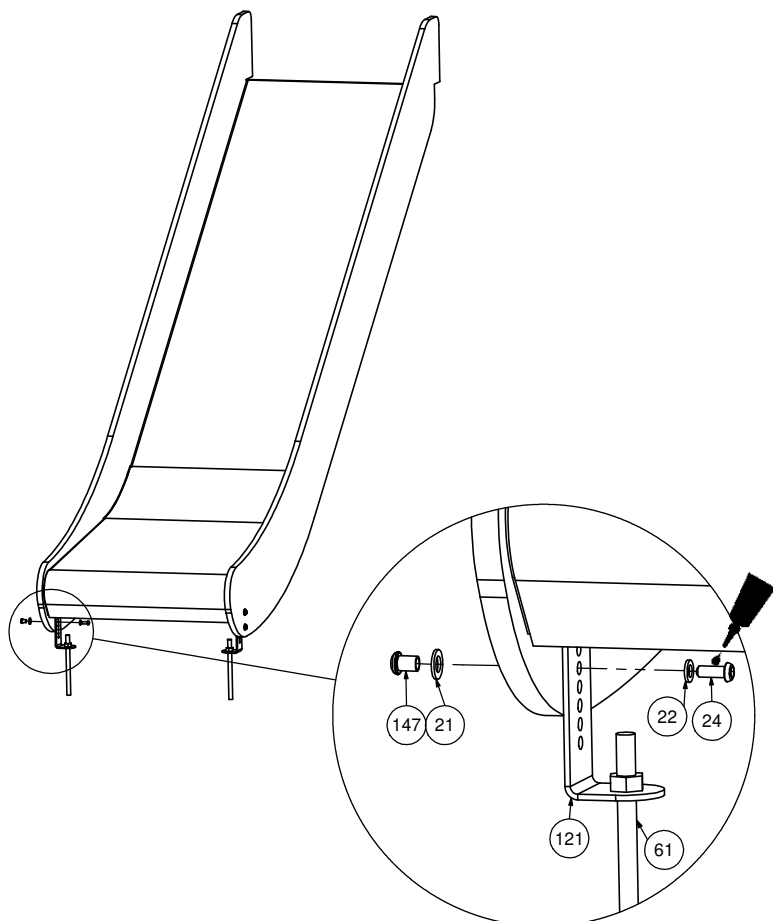


F - SL140

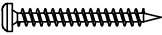
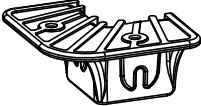


Nr:	Σ	Element:	
21	4x	DIN 125 - 8x16	
22	4x	DIN 125 - 6x12	
24	4x	ISO 7380 - M6x16	
61	2x	KL105	
136	2x	1100_6_A2_g3_G_v1	
147	4x	BN M6x10	

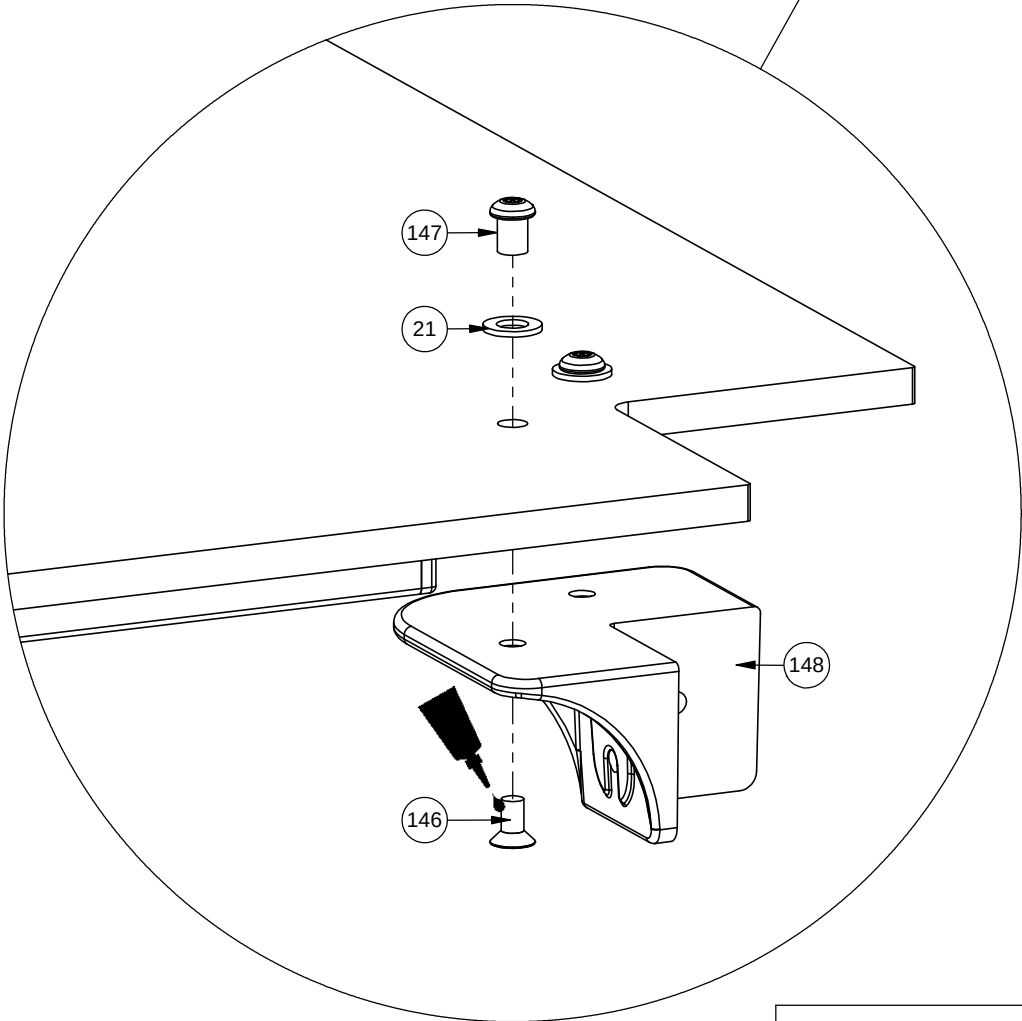
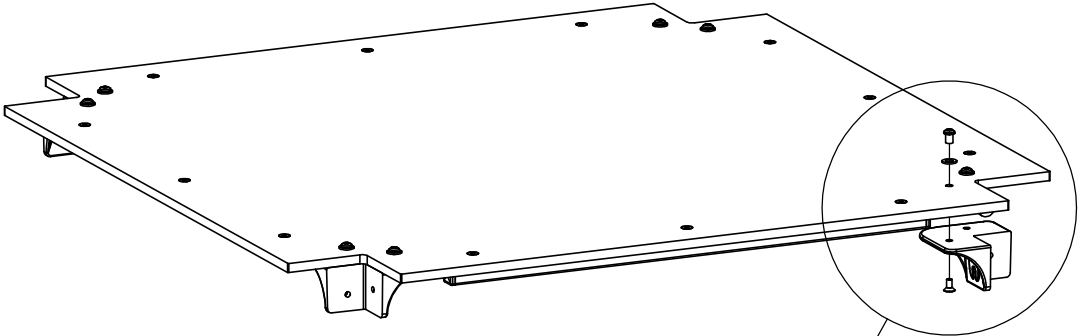
F - SL60, SL90, SL120, SL180



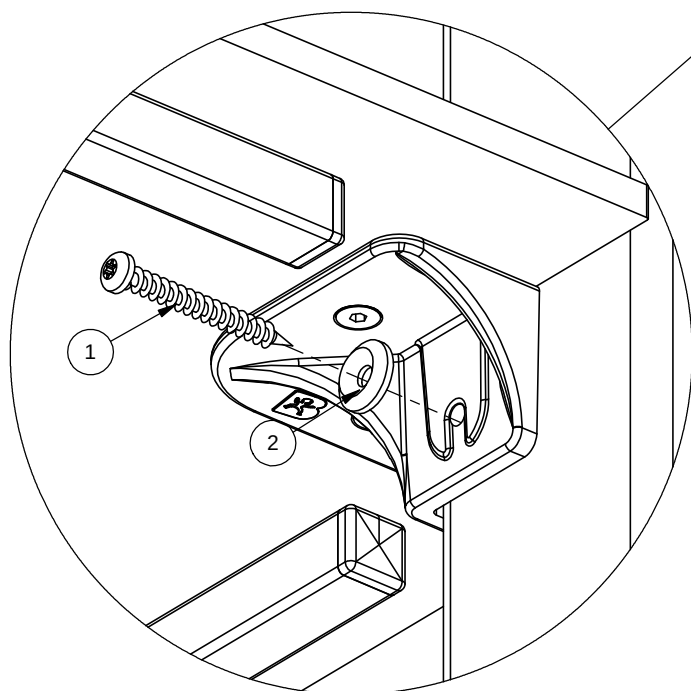
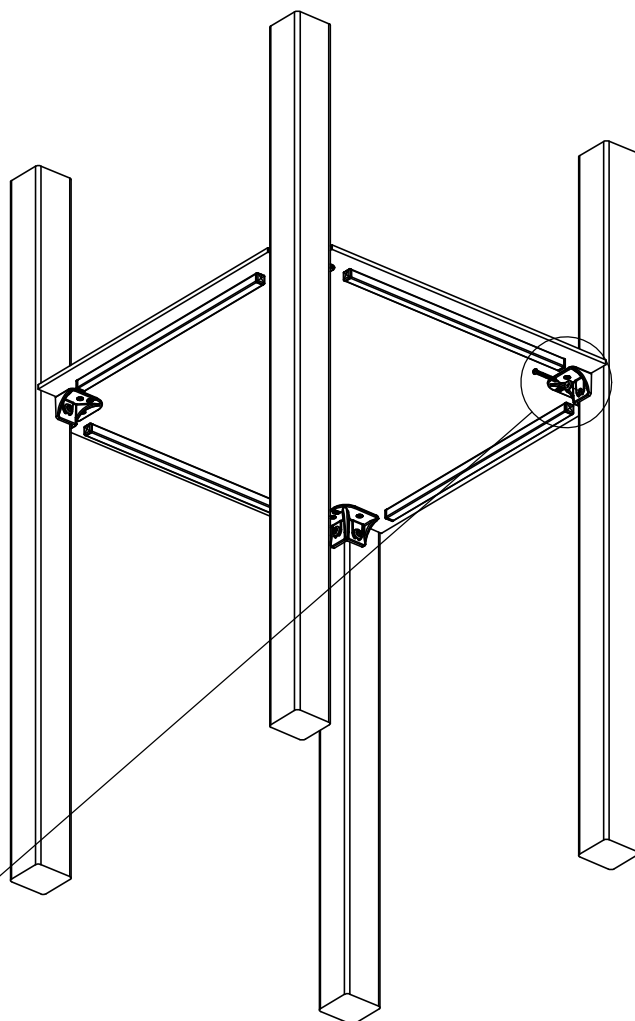
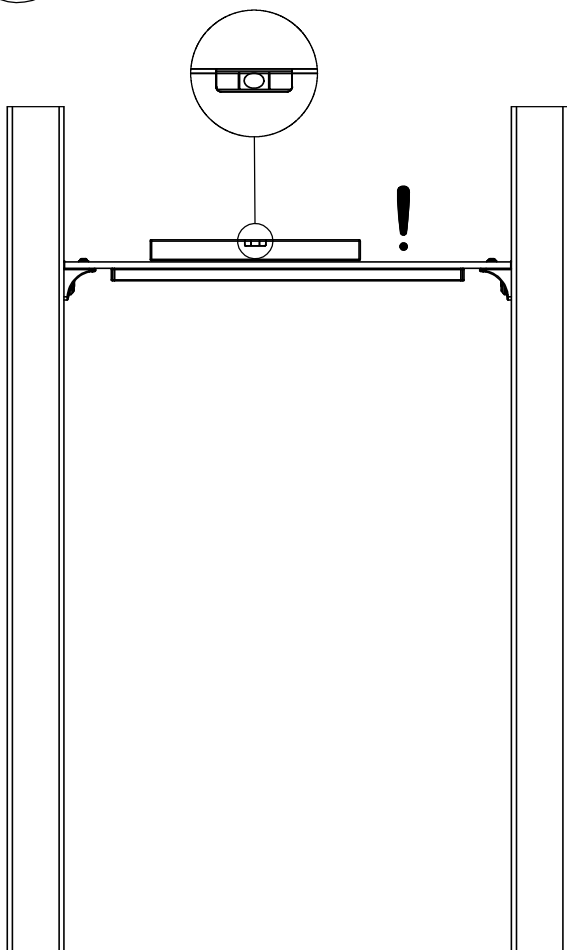
Nr:	Σ	Element:	
21	4x	DIN 125 - 8x16	
22	4x	DIN 125 - 6x12	
24	4x	ISO 7380 - M6x16	
61	2x	KL105	
136	2x	7100_5_A2_g3_G_v1	
147	4x	BN M6x10	

Nr:	Σ	Element:	
1	8x	S6x60	
2	8x	W6x60	
21	8x	DIN 125 - 8x16	
146	8x	DIN 7991 - M6x12	
147	8x	BN M6x10	
148	4x	CONET ECO	

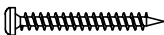
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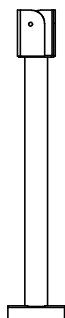
2



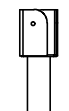
INST_80_6

Nr:	Σ	Element:	
1	4x	S6x60	
2	4x	W6x60	

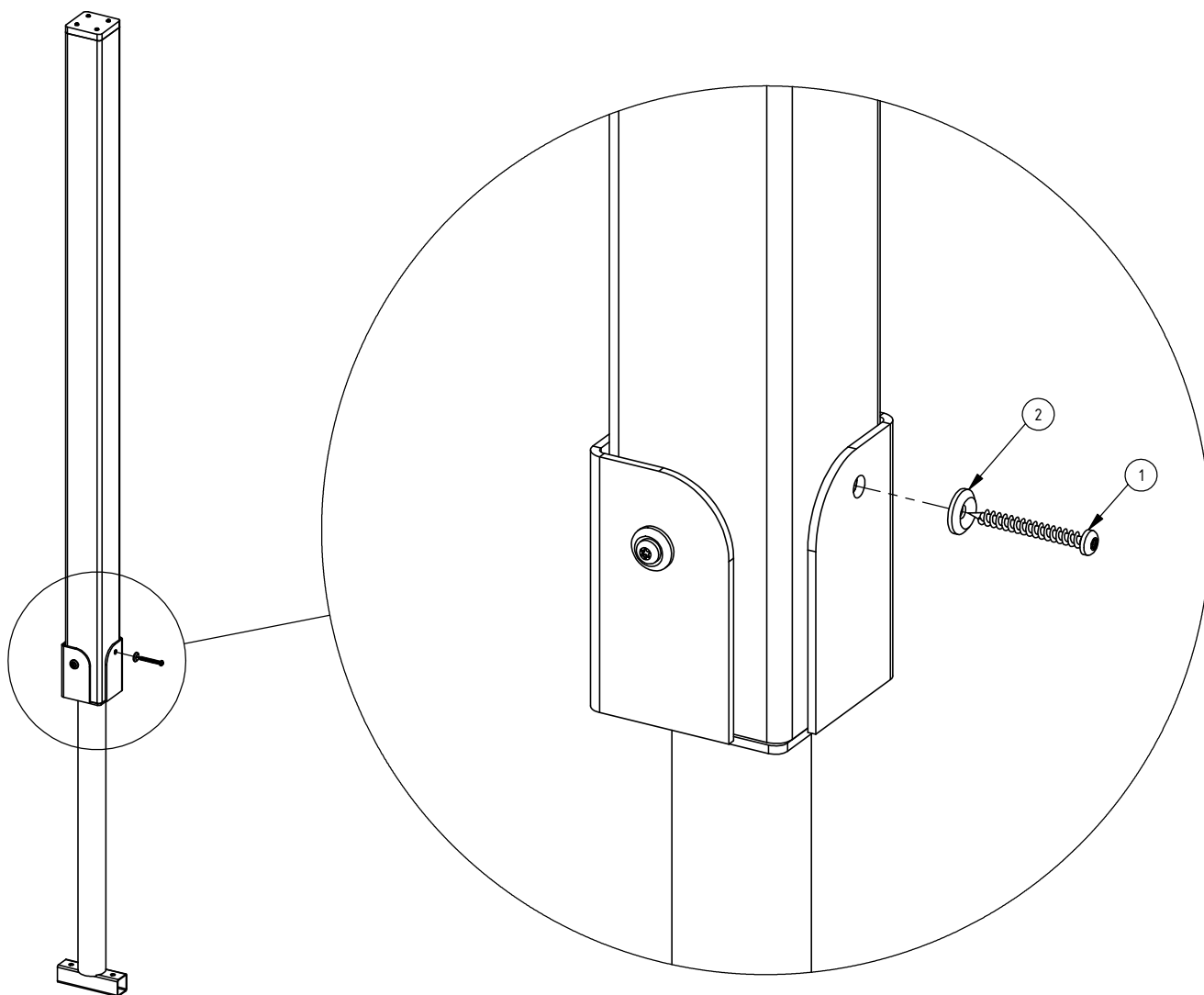
N



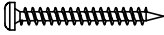
F

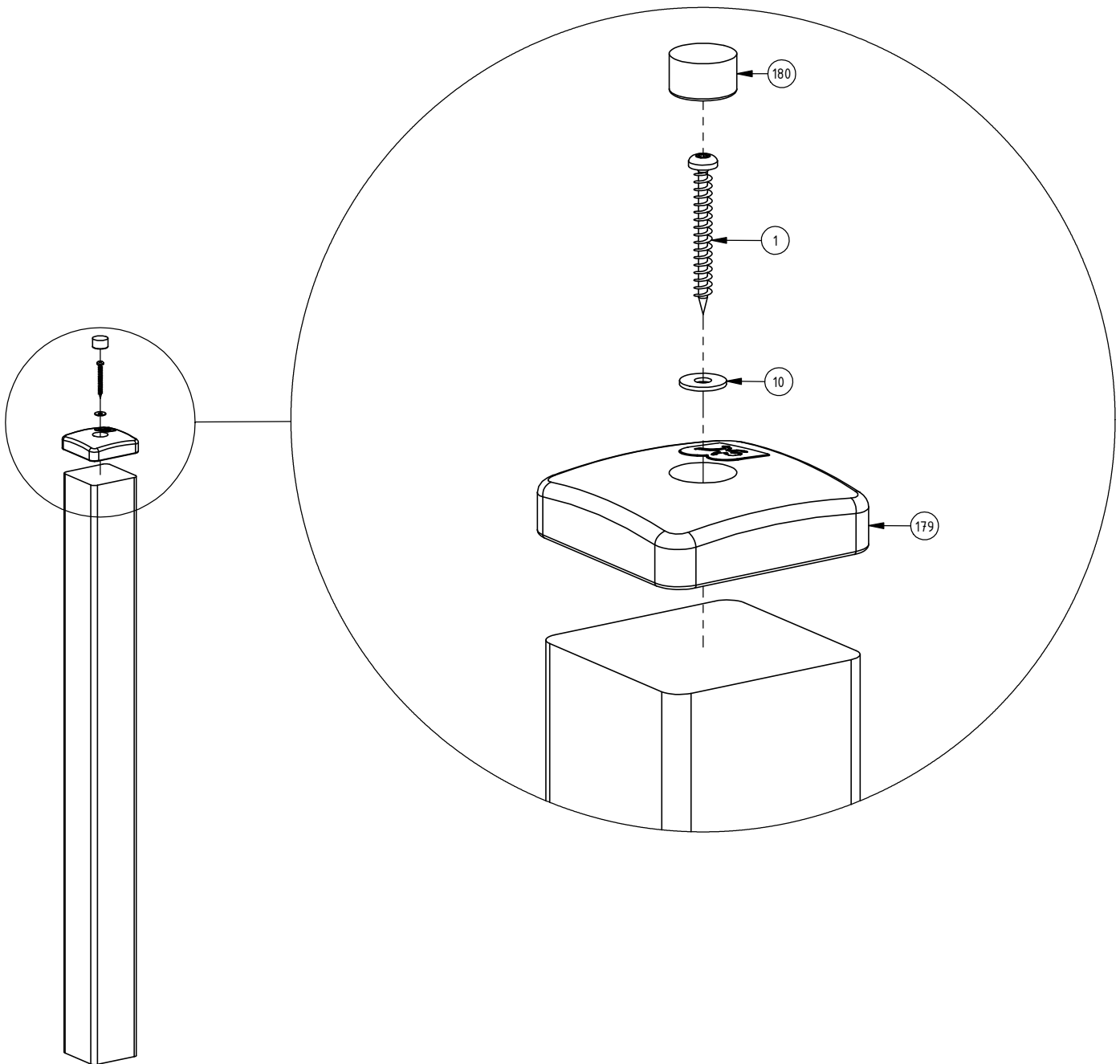


A (1 : 3)



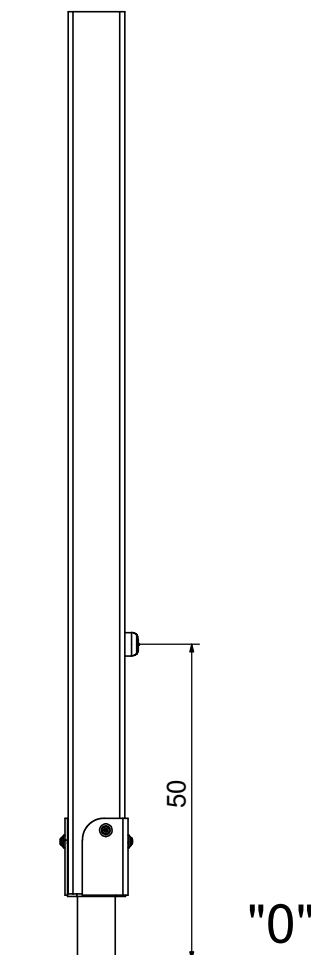
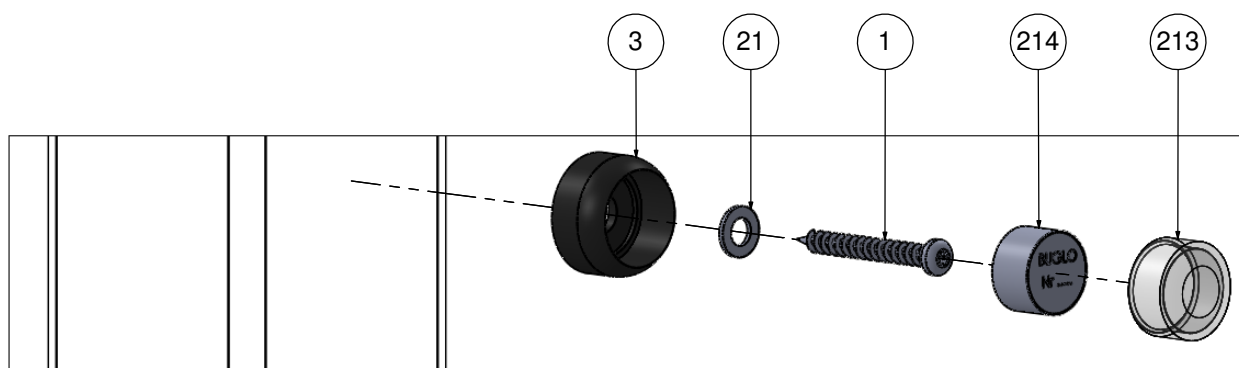
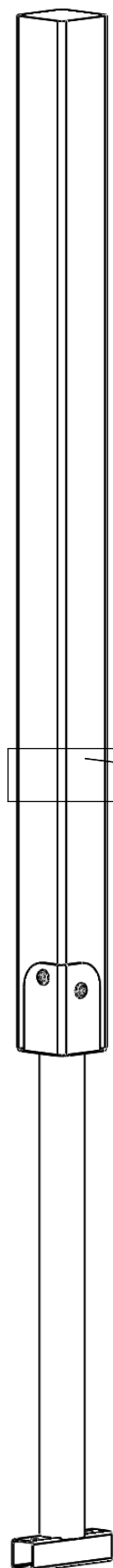
INST_80_44

Nr	Σ	Element		
1	1		-	S6x60
10	1		DIN 9021	6x18
179	1		-	Z_ECO_1
180	1		-	K_ECO_1



INST_Z_3

Nr	Σ	Element		
1	1		-	S6x60
3	1		-	K2_d30_B
21	1		DIN 125	8x16
213	1		-	Z_NA_1
214	1		-	Z_NA_2



Technical specifications of the ECO series products

All substitutionary parts for BUGLO's products are available at producer's during whole use period (working life) of the product.
Necessary toolset for the assembly of the products:

- Cross head screwdriver
- Box wrenches nr 10, 13, 17
- Hex wrenches
- Electrical screwdriver (extra ends: T20 and T30)
- Drill nr 6, 8, 10, 12 (for the foundation)
- Mallet rubber (rubber hammer)
- Tools used to making holes in the ground/surface
- Level

During the assembly pay attention to: vertical columns setting, tightening all screws, securing and marking mounting location. Before putting device into use it's required to check the stability of all elements, remove protecting tapes and check level and the condition of the amortization surface.

Product installation, conservation and replacement of elements pose a threat for playing children, which is why it is required to mark and secure the assembly space. Such security must guarantee no access to the work space both during and after work. Main threats can be caused by electrical devices and tools, deep foundation holes and incomplete product sets.

During the installation it's required to ensure the assembly space to be about the same size as the safety zone of the equipment. You must pay attention to the direction of the location of the slide made of stainless steel. The steel part of the slide cannot be directed to the south because it may get heat (very hot).

Conservation and control of the Product

According to the PN EN 1176-1 : 2017-12-Norm

The conservation and exploitation:

It is required to consult with the Manufacturer about all maintaining works of the Products' parts which are under guarantee.

The anticorrosive surface:

Damaged paint coat should be first cleaned out of dust, fat and corrosion centres. After that, the cleaned surface should be covered with an anticorrosive primer for steel surfaces. When the layer is dry, paint twice with spray paint.

The colour combination used by BUGLO according to the RAL palette:

Grey – RAL 7035, Yellow – RAL 1003, Blue – RAL 5015, Red – RAL 3000, Green – RAL 6018, Black – RAL 9005, Purple – RAL 4008, Anthracite – RAL 7016, Silver – RAL 9006, Beige – RAL 1019, Orange – RAL 2009, Brown - RAL 8017

Wood:

Elements made of glued laminated timber require a regular renovation. Depending on climate conditions, level of exploitation and mechanical damages, it is advised to renew the impregnation layer after a period of 2 – 5 years. Before finishing, timber elements need to be mattified, then following products need to be applied:

- 1) Impregnating Foundation – GORI 356
- 2) Surface paint – NORDICA EKO 3330 – 12TM1806

Products are available via distribution network of Teknos Company (www.teknos.com). Usage according to the producer's instructions.

IROKO wood: preserve with Owatrol D1.

Stainless steel:

It is recommended to clean stainless steel elements once a year, to remove sediments and contaminants, which accumulation can cause steel discolouring. Wash with cotton cloths and gentle detergent dissolved in water, eg. dishwashing liquid. After cleaning rinse with water and wipe dry.

Caution!

Cleaners used to clean stainless steel **must not** contain: chlorine, salt, acids or bleaches. Even small amount of these substances can cause permanent damage of chromium oxide surface.

Recommendations for the product control according to the EN 1176-7: 2020-Norm Playground equipment and the surfaces part 7: Guidelines for the assembly, control, conservation and exploitation/running.

1) Post-installation inspection – recommended before the playground opens for public use to assess the access to the product and its surroundings taking into consideration overall security level.

2) The periodic control – if the product is used very intensively or is exposed to vandalism, the control should be carried out once a week or more frequently.

The periodic control includes:

- potential damage of any elements,
- tightening of the connectors,
- outer coat of the set,
- condition of the shock-absorbing surface,
- bearing lubrication,
- completeness of the products,
- checking if there are no cracks, sharp edges or other damages,
- the cleanness around the Product (broken glass determines a big danger) and smoothing the safety surface,
- the presence of obstacles in the safe space or fall space and their removal if present,
- general safety status of the playground.

3) The functional control – should be carried out once every three months.

It includes the range of the periodic inspection enlarged by examining the product's functions.

- during the functional control the fixed elements of the product should be checked (completeness of caps and masking elements),
- checking the stability of the posts,
- checking the loose-fill safety surface (eg. sand, gravel, bark, woodchips) and evening it out. If the level is under 10cm below the marked surface level, it must be filled in,
- tighten all screws,
- checking the tensions of the zip line rope, nets and rope pyramids,
- checking of the condition of welds,
- replacing of worn or damaged elements.

4) The functional control and the main control – mandatory once a year.

The main control covers:

- checking the construction's stability,
- checking and reconstructing the anti-corrosion coating that was damaged,
- checking the foundation's condition,
- checking the loose-fill safety surface (eg. sand, gravel, bark, woodchips) and evening it out. If the level is under 10cm below the marked surface level, it must be filled in,
- checking the condition of wooden elements, if included.

The equipment should have a regular check-up control by competent people (with certified level of competence).

Every time the check-up control takes place, the playground administrator should record it on inspection sheets. Any modifications of the equipment or design that may affect the basic safety of the equipment should be carried out after consultation with the manufacturer or a competent person.

All personnel involved in playground safety management must be competent.

Full range of requirements according to EN 1176-7:2020.

A sample of playground inspection sheet is included in attachment A1.

Control sheet of the playground



Administrator of the playground

Controlled equipment (product number, manufacturer number)

Check-up plan

Check-up run once a week or more often, depends on how intensively the product is used (periodically)		YES	NO
1	General condition of the safety on the playground.		
2	Tightening of the connectors, bearings lubrication, checking of the shock-absorbing surface.		
3	Is the set complete?		
4	Are there any cracks, sharp edges or other damages in the device?		
5	Is the area surrounding the device clean (no glass, safe surface horizontal/even)?		
6	Are there any obstacles in the clear space or fall space?		

Check-up run once in a three months (functional)		YES	NO
1	Are the non-separable elements complete (covers and masking elements are complete)?		
2	Are the posts stable?		
3	Is the loose safe surface horizontal/even?		
4	Is the level of the safety surface up to the marked level or is max. 10cm below this level?		
5	Is the condition of the connectors adequate?		
6	Is the condition of the welds adequate?		
7	Are the ropes and nets tensioned correctly?		
8	Replacing of worn or damaged elements.		

Check-up run once a year (functional an main)		YES	NO
1	Is the construction stable?		
2	Are there any damages to the anticorrosional coat?		
3	Is the powdery safe surface horizontal/even?		
4	Is the condition of the foundation adequate?		
5	Is the condition of wooden elements adequate?		
6	Is the level of the safety surface up to the marked level or is max. 10cm below this level?		

Fault/Repair

1	
2	
3	
4	
5	

Parts exchange

	Name of the part	Qty	Reason
1			
2			
3			

Date	Inspector's name
1	
2	
3	
4	