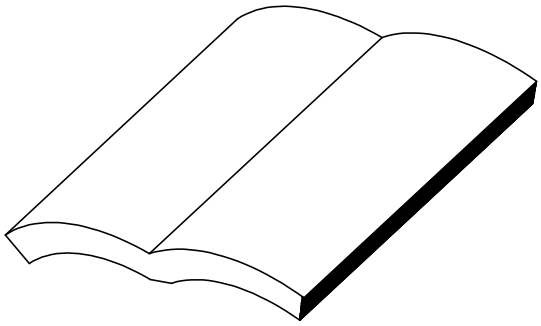
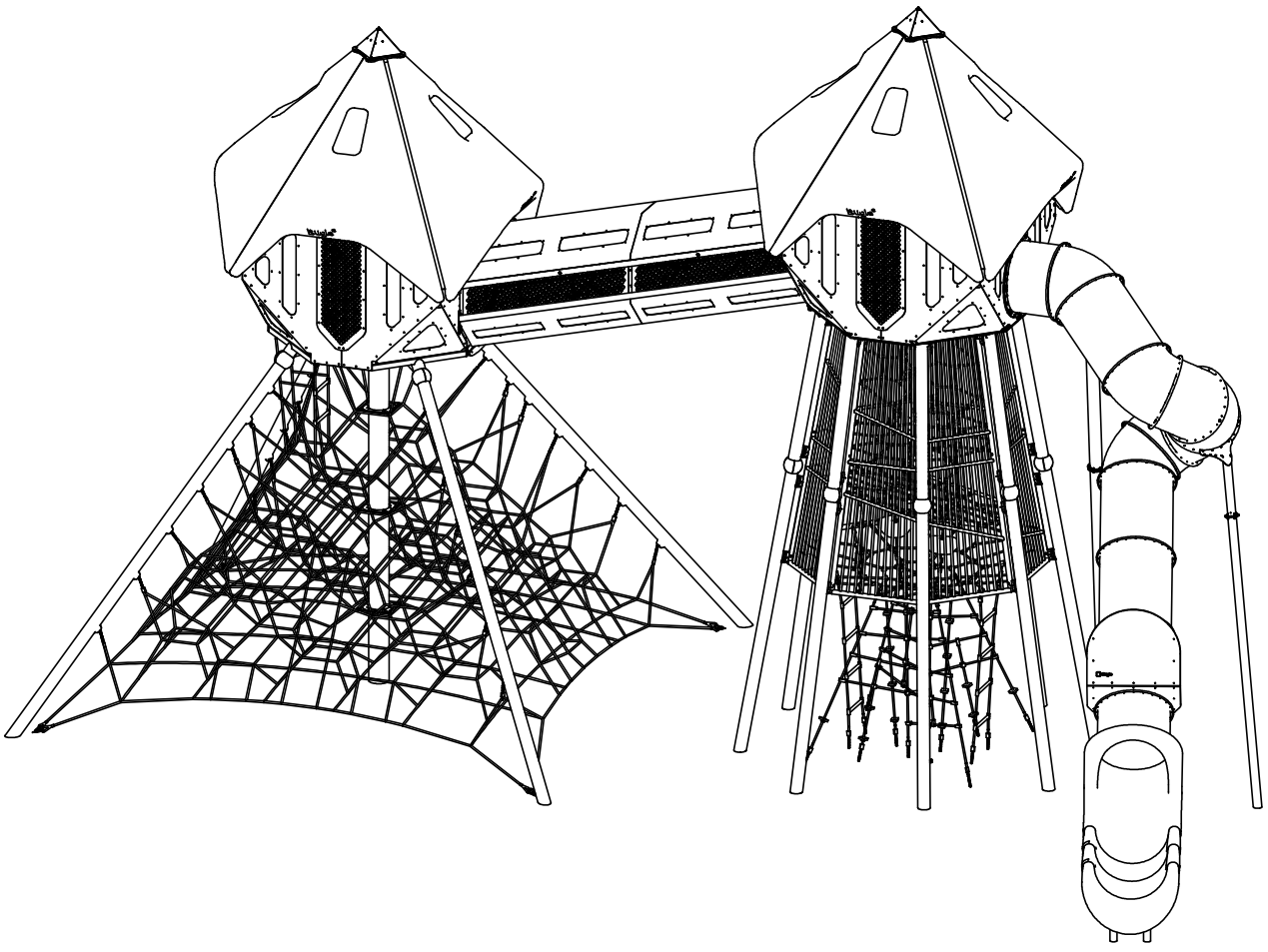
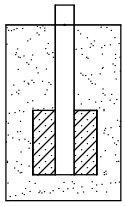
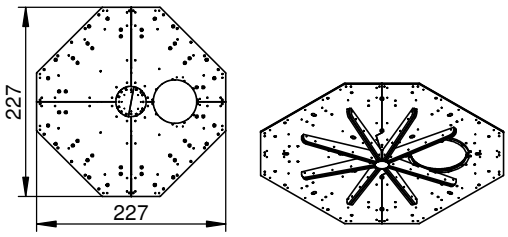
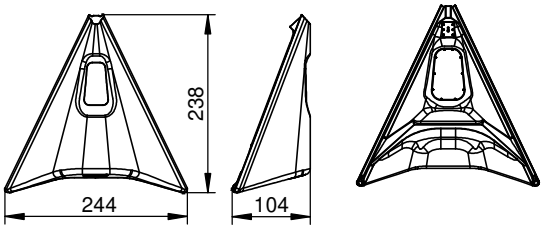
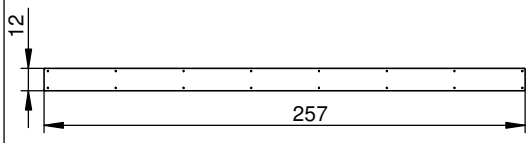
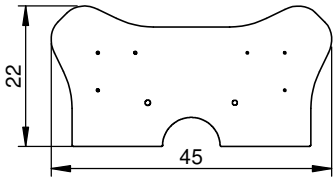
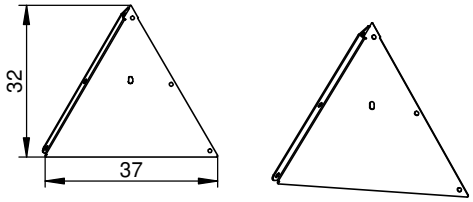
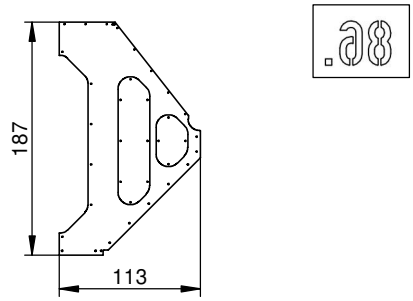


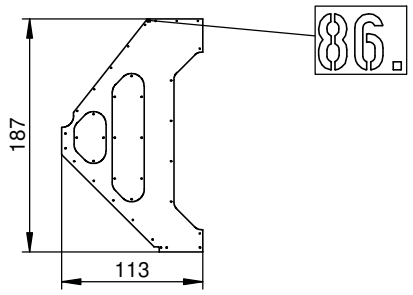
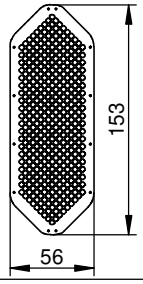
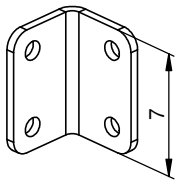
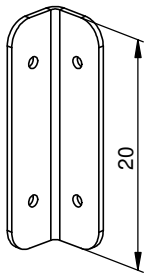
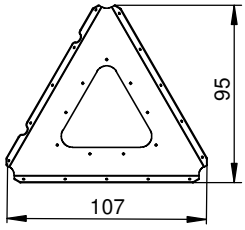
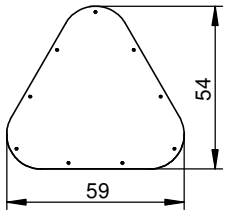
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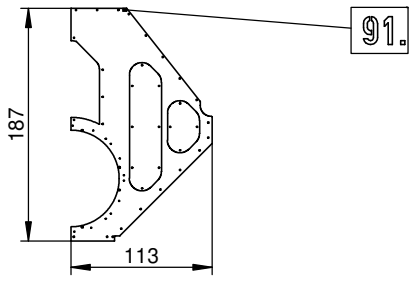
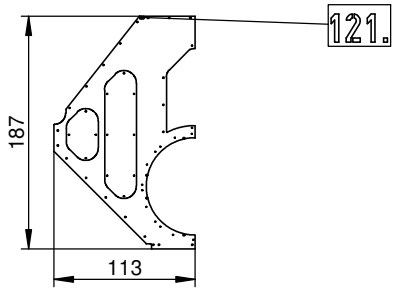
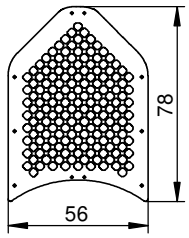
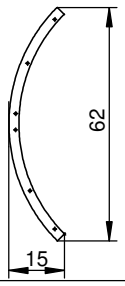
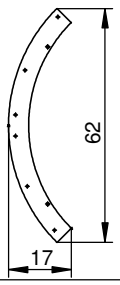
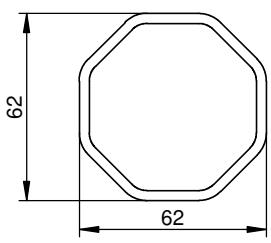


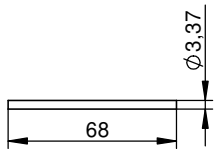
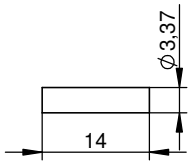
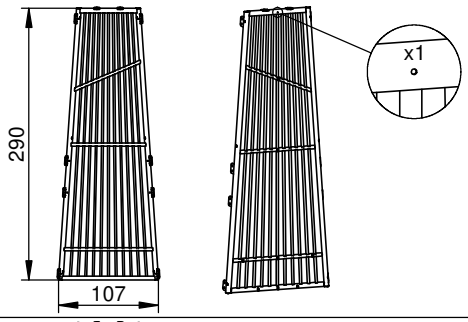
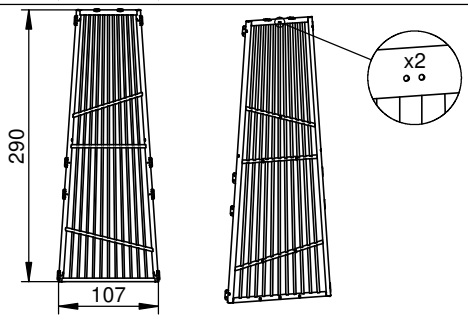
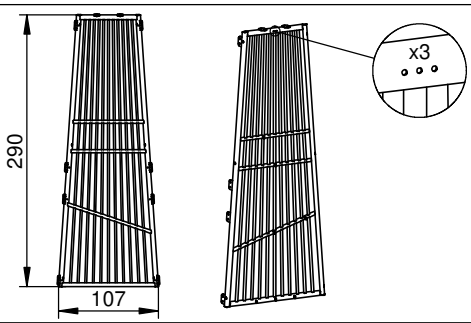
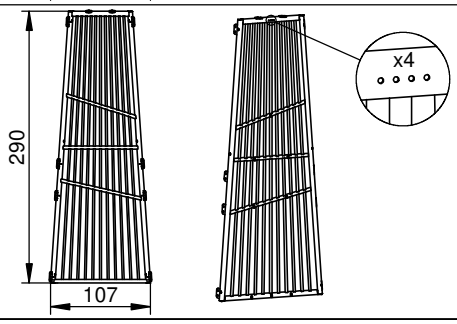


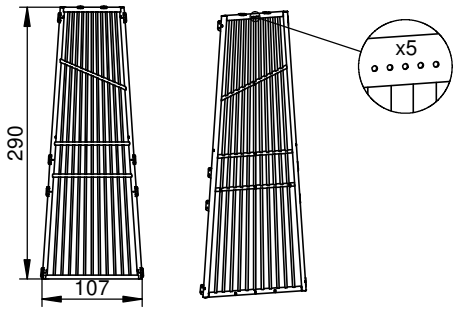
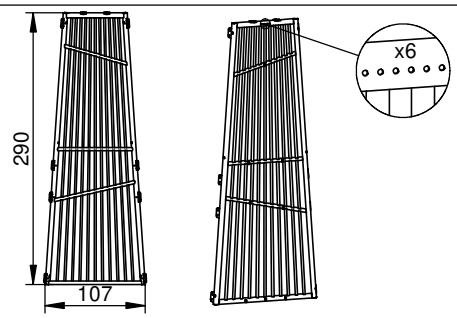
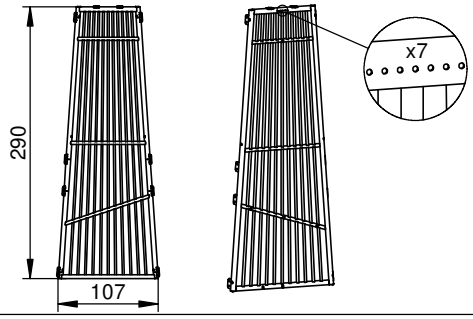
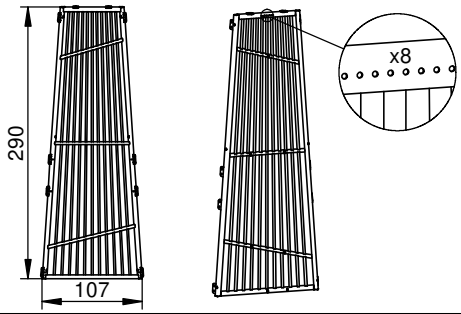
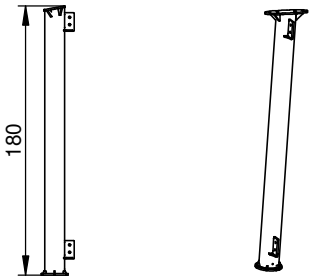
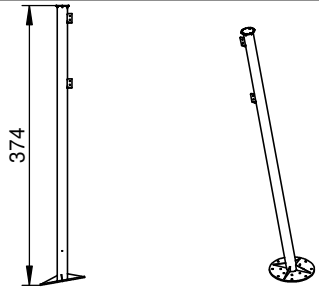
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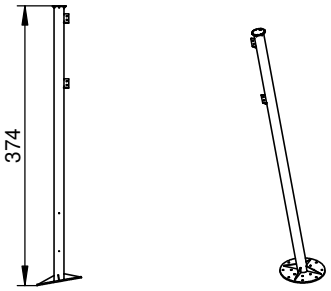
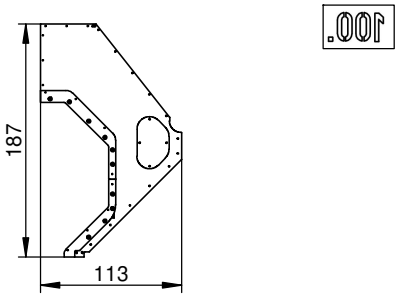
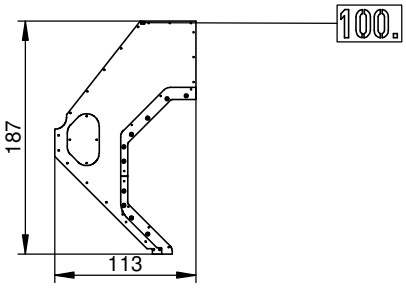
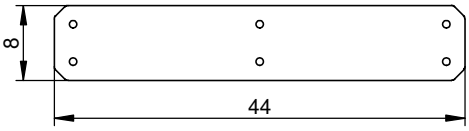
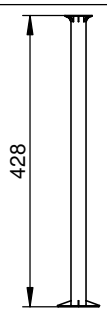
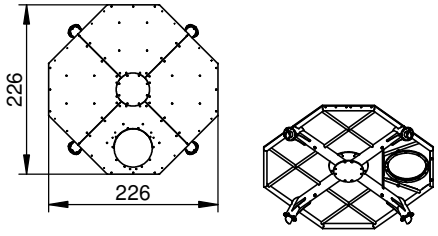
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E3		8
E4		8
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E6		2

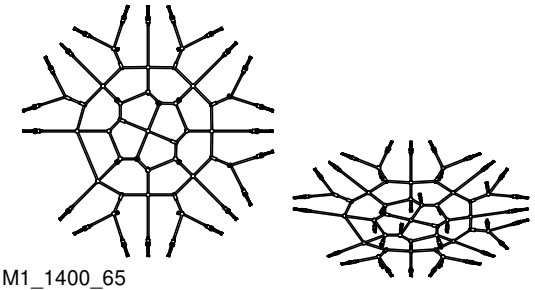
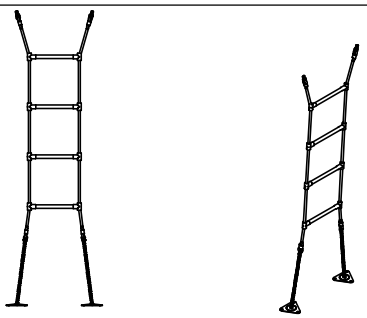
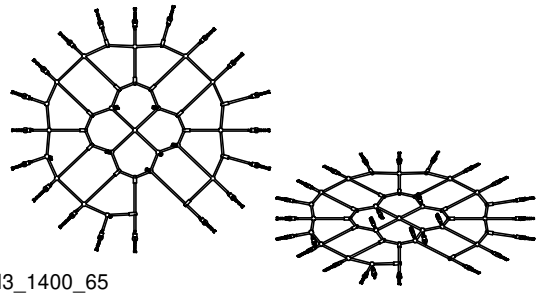
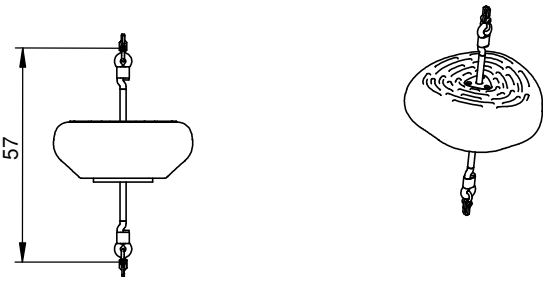
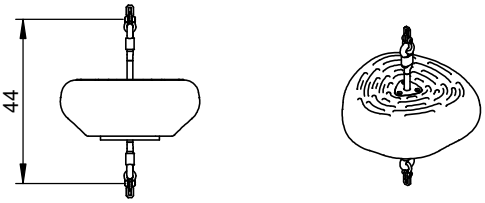
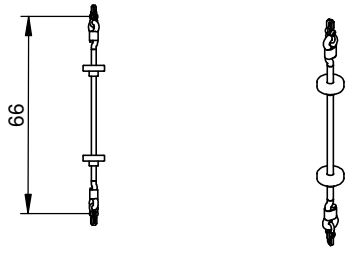
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E12		8

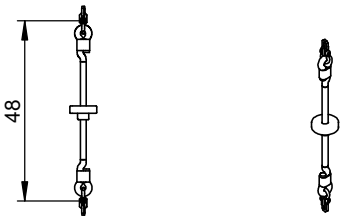
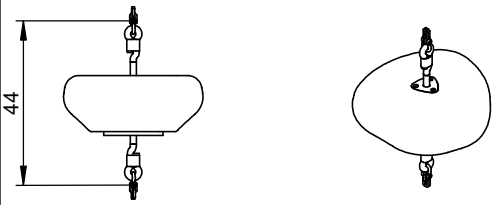
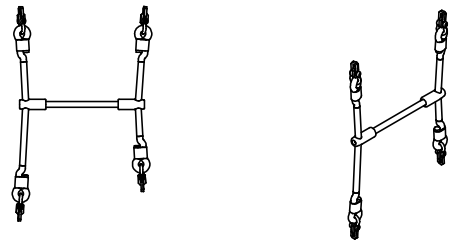
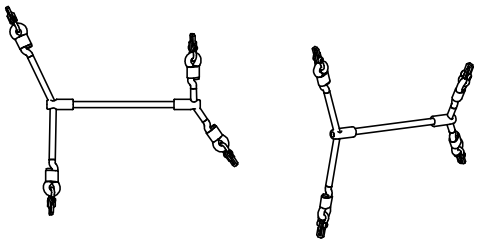
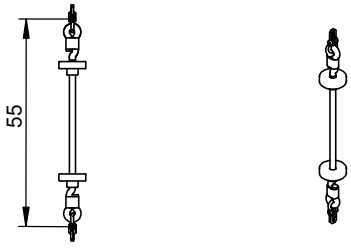
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E14		1
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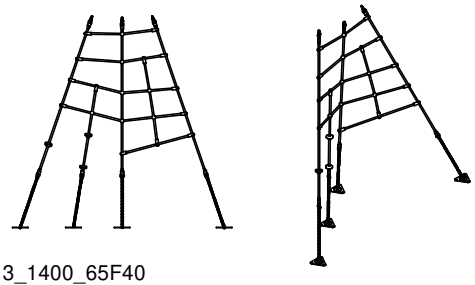
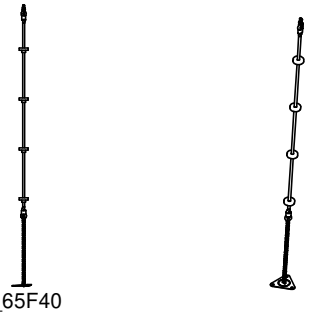
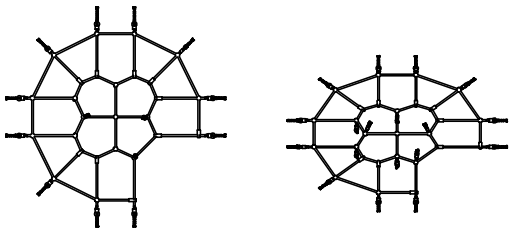
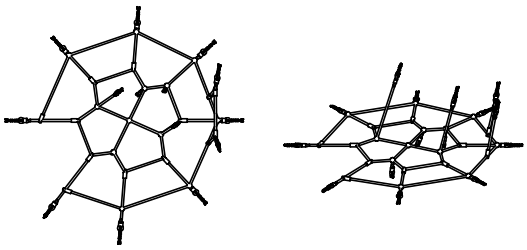
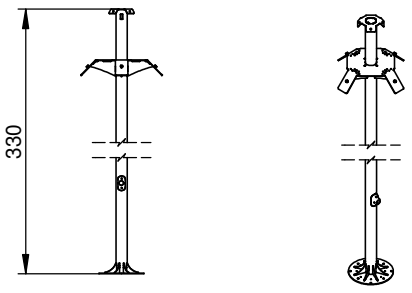
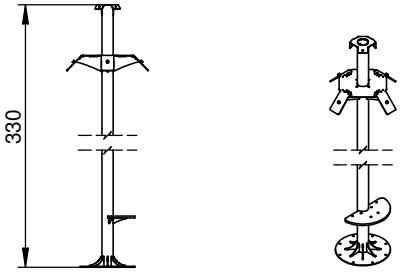
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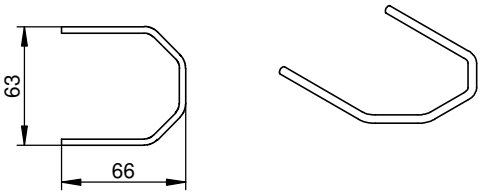
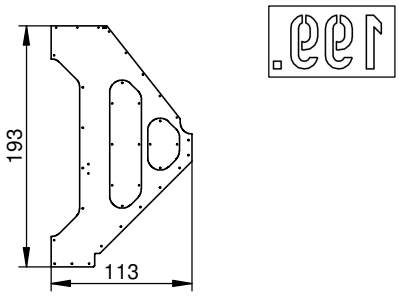
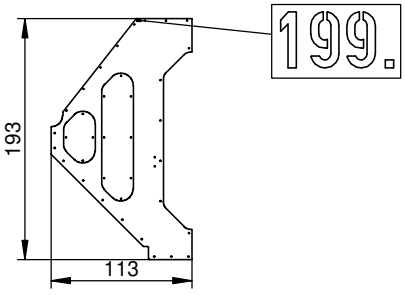
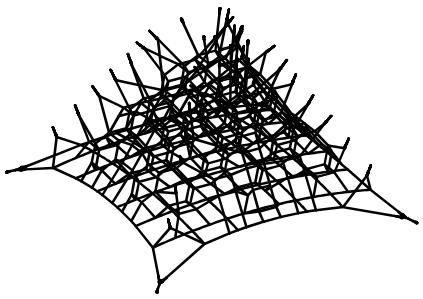
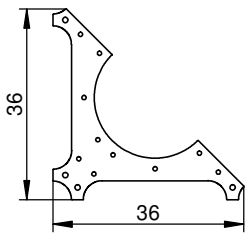
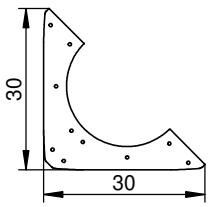
NR	ELEMENT	1432N
E25		1
E26		1
E27		1
E28		1
E29		8
E30		7

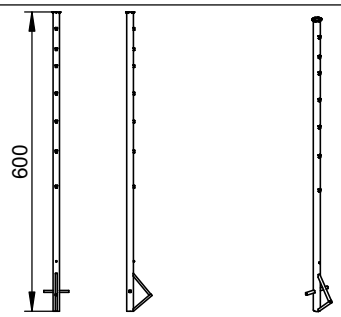
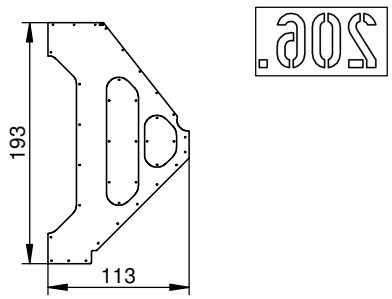
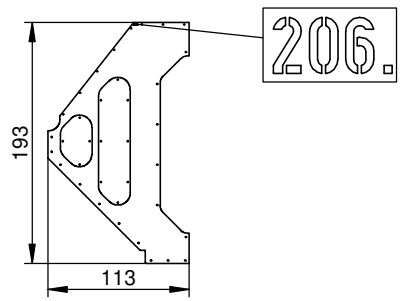
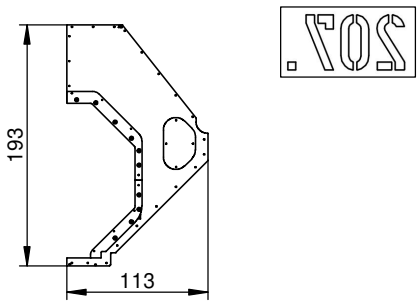
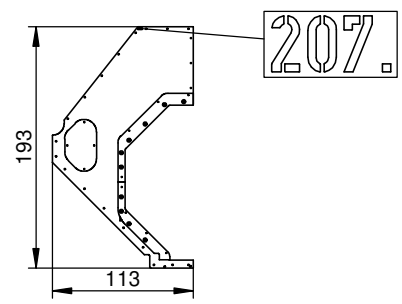
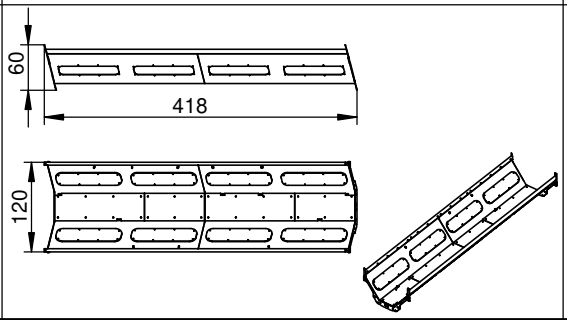
NR	ELEMENT	1432N
E31		1
E32		1
E33		1
E34		2
E35		1
E36		1

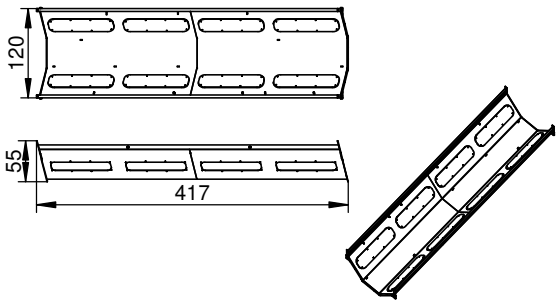
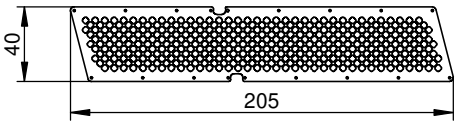
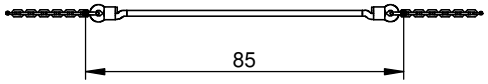
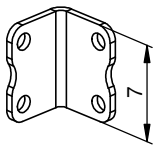
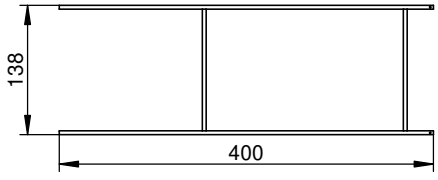
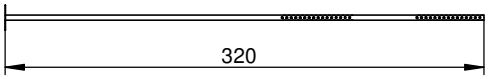
NR	ELEMENT	1432N
E37	 M1_1400_65	1
E38	 M2_1400_65F40	2
E39	 M3_1400_65	1
E40	 M4_1400_65	1
E41	 M5_1400_65	1
E42	 M6_1400_65	1

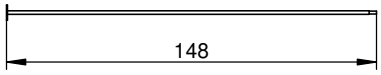
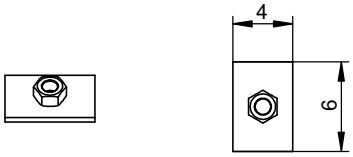
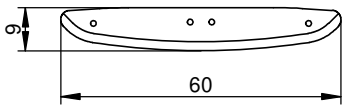
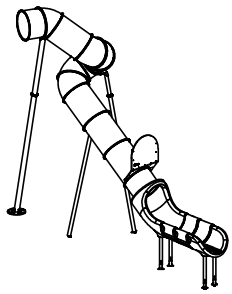
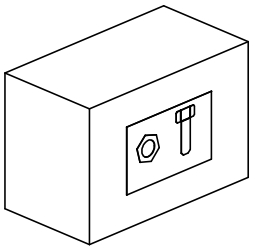
NR	ELEMENT	1432N
E43	 M7_1400_65	1
E44	 M8_1400_65	1
E45	 M9_1400_65	1
E46	 M10_1400_65	1
E47	 M11_1400_65	1
E48	 M12_1400_65	1

NR	ELEMENT	1432N
E49	 M13_1400_65F40	2
E50	 M14_1400_65F40	2
E51	 M15_1400_65	1
E52	 M16_1400_65	1
E53		1
E54		1

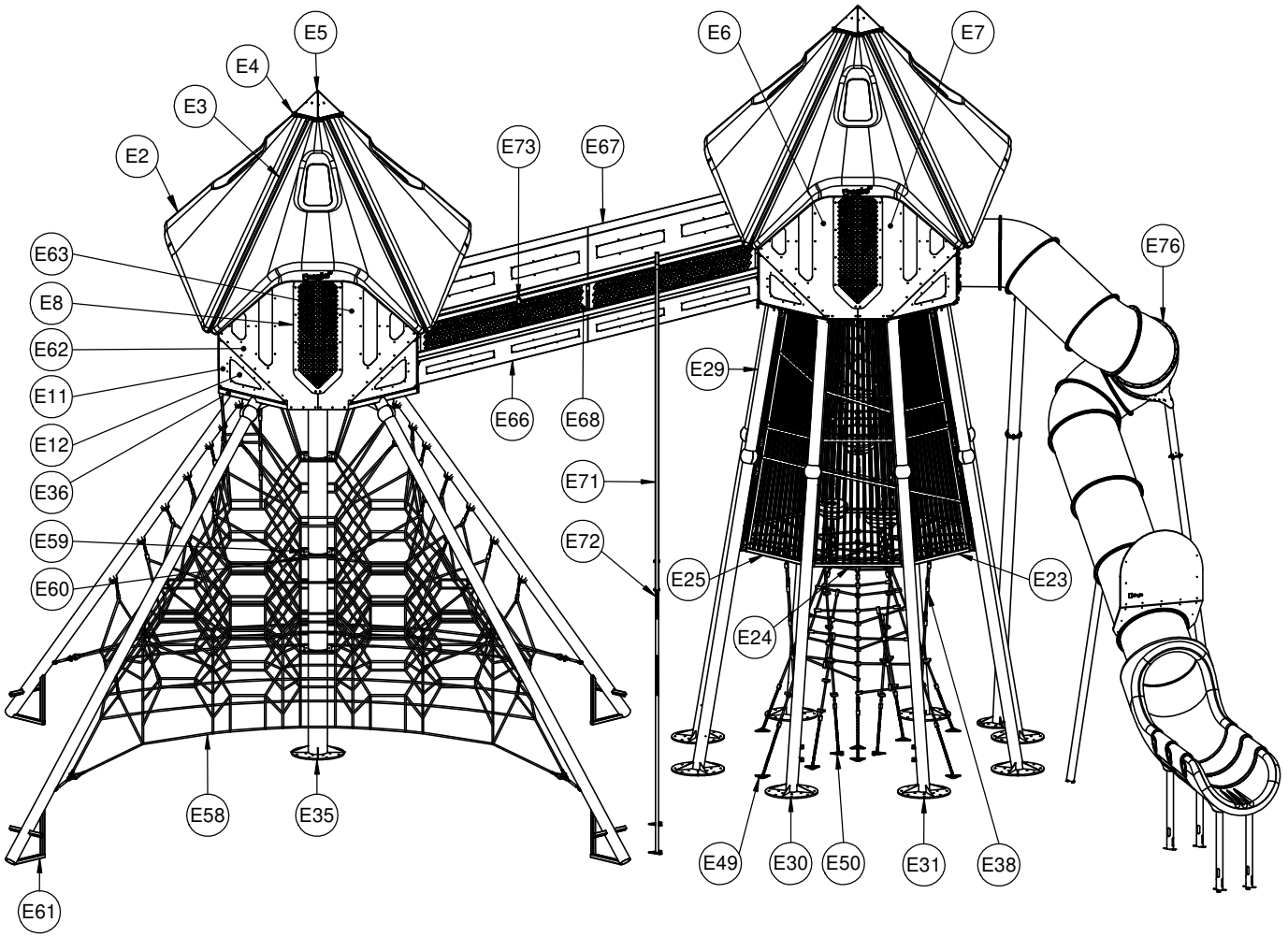
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E56		1
E57		1
E58		1
E59		6
E60		6

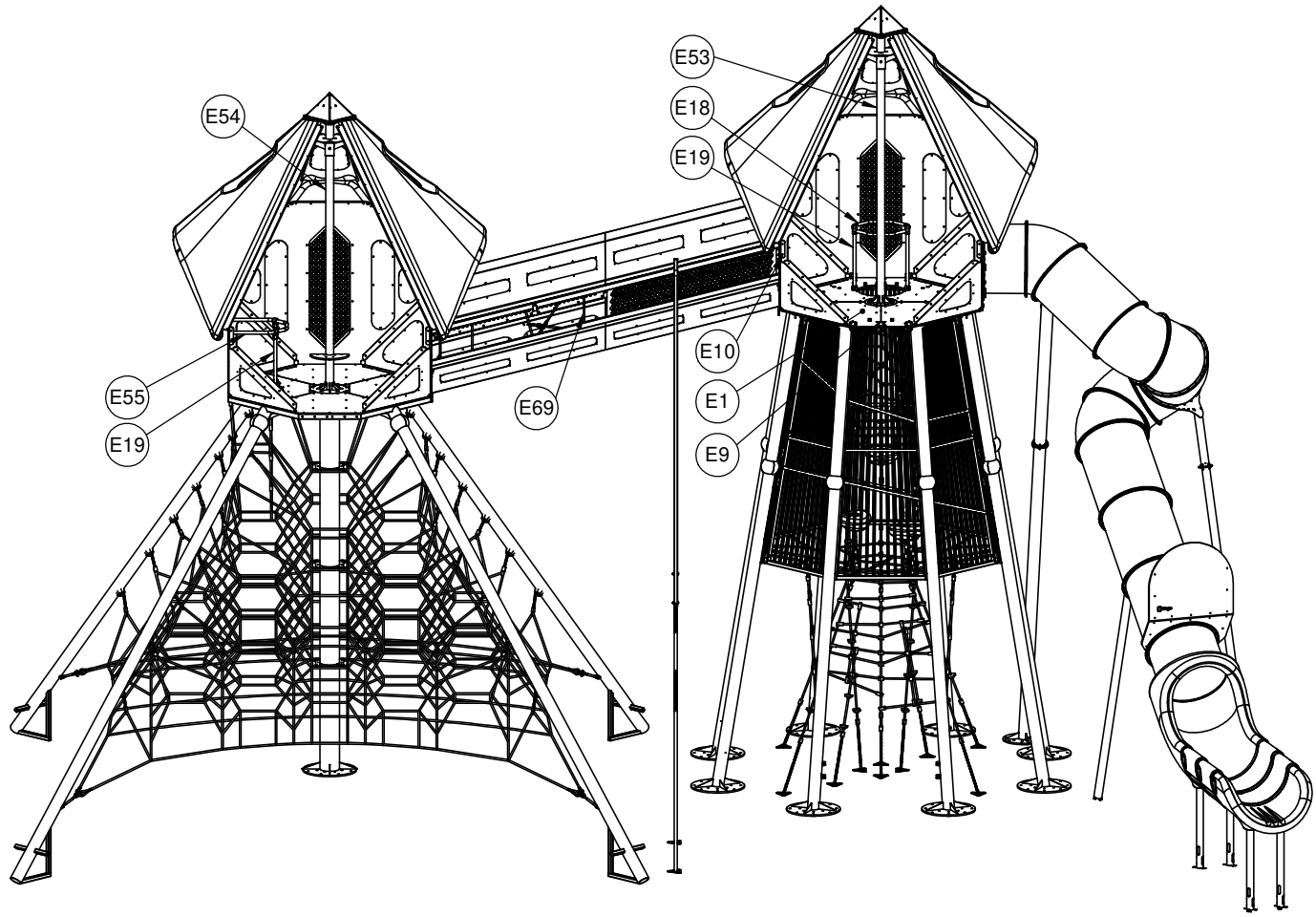
NR	ELEMENT	1432N
E61		4
E62		2
E63		2
E64		1
E65		1
E66		1

NR	ELEMENT	1432N
E67		1
E68		4
E69		14
E70		1
E71		1
E72		2

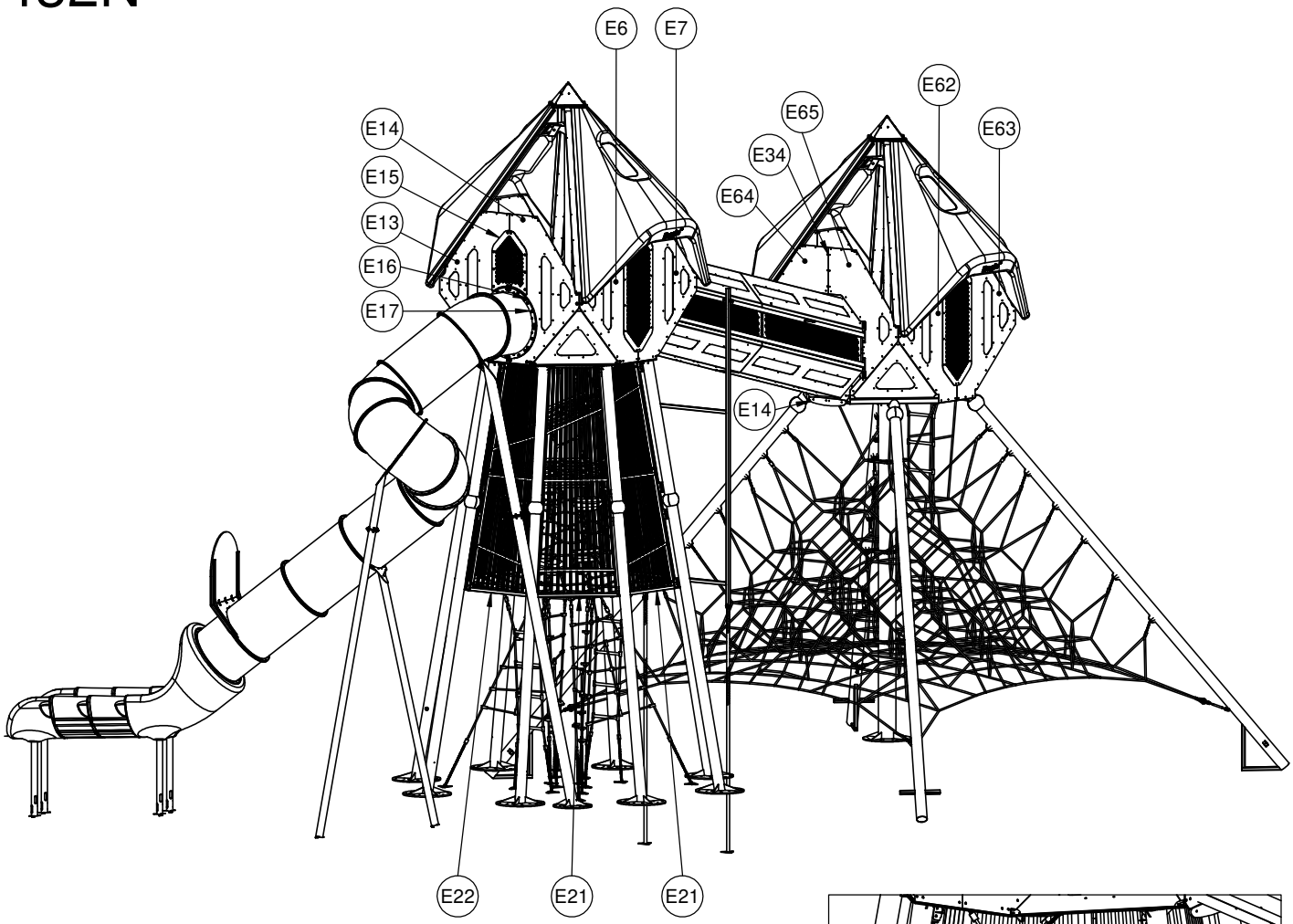
NR	ELEMENT	1432N
E73		2
E74		1
E75		1
E76		1
E77		1

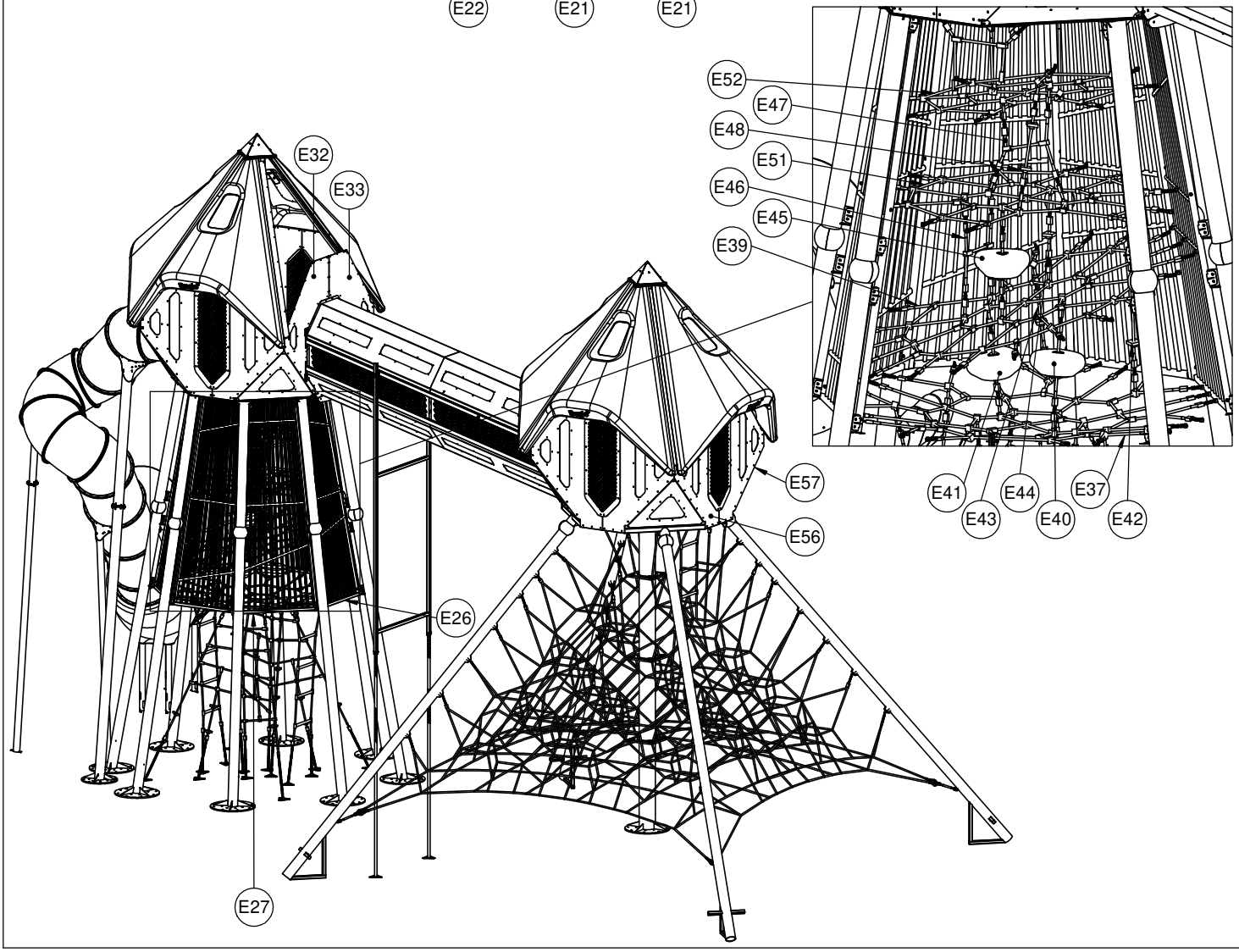
1432N


E5
E4
E3
E2
E63
E8
E62
E11
E12
E36
E59
E60
E61
E58
E35
E73
E67
E66
E68
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E31
E38

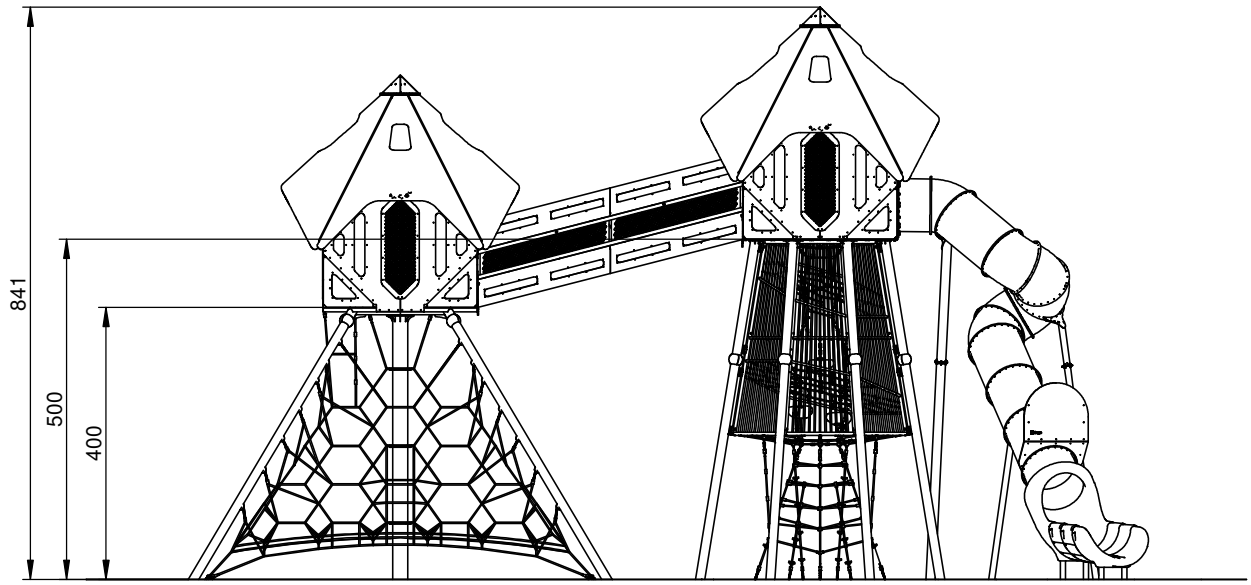

E54
E55
E19
E69
E53
E18
E19
E10
E1
E9

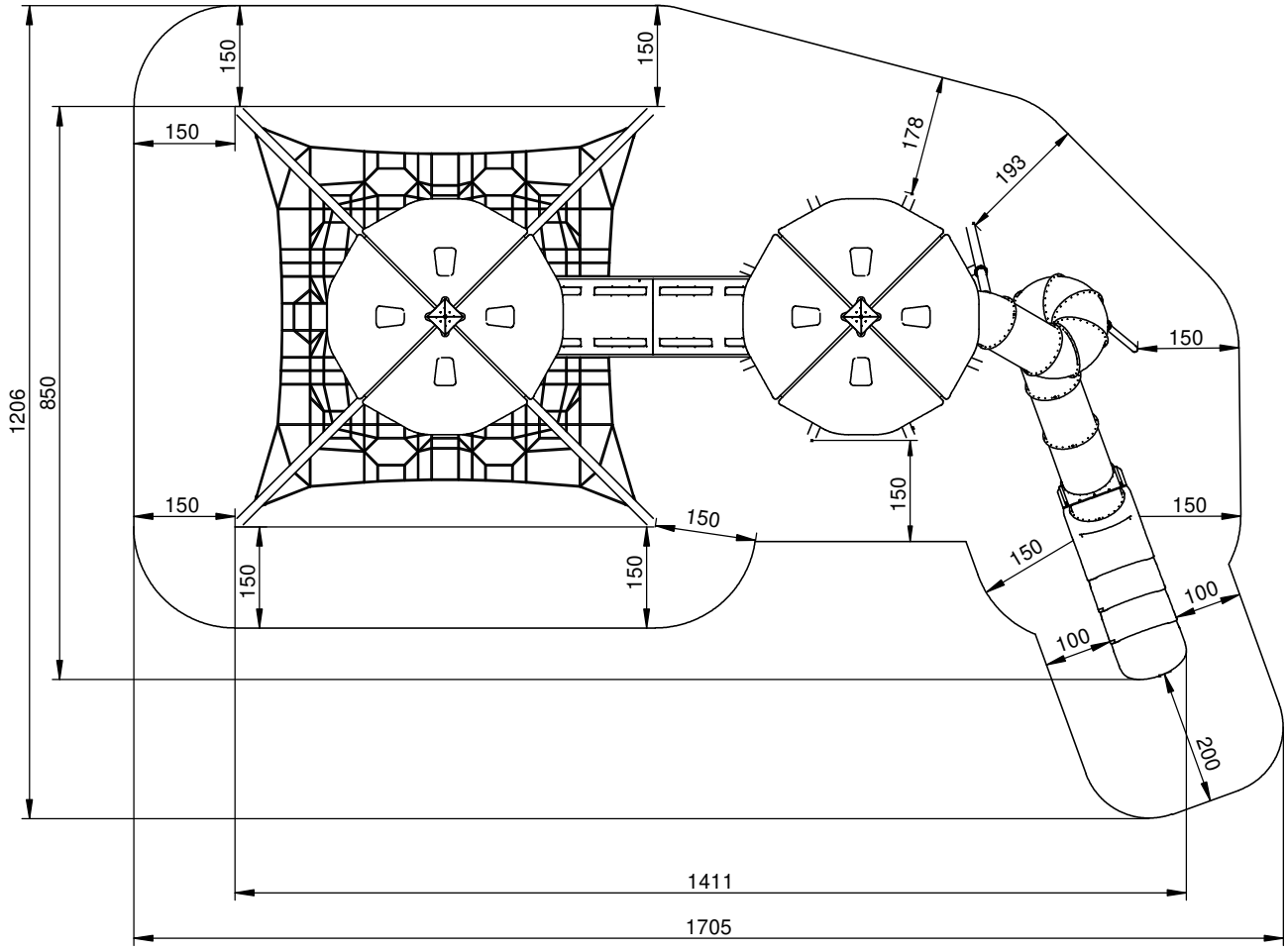
1432N


E6
E7
E62
E65
E63
E14
E34
E15
E64
E13
E16
E17
E14
E22
E21
E21

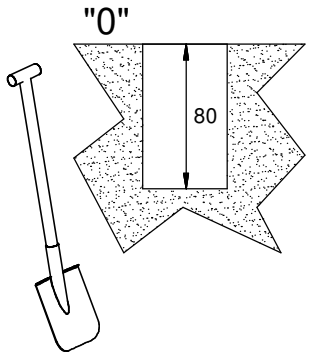

E52
E47
E48
E51
E46
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E44
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E37
E42

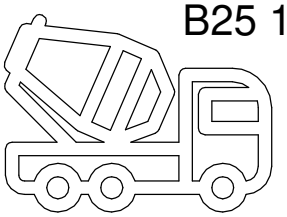
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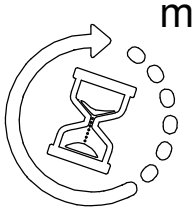

841
500
400

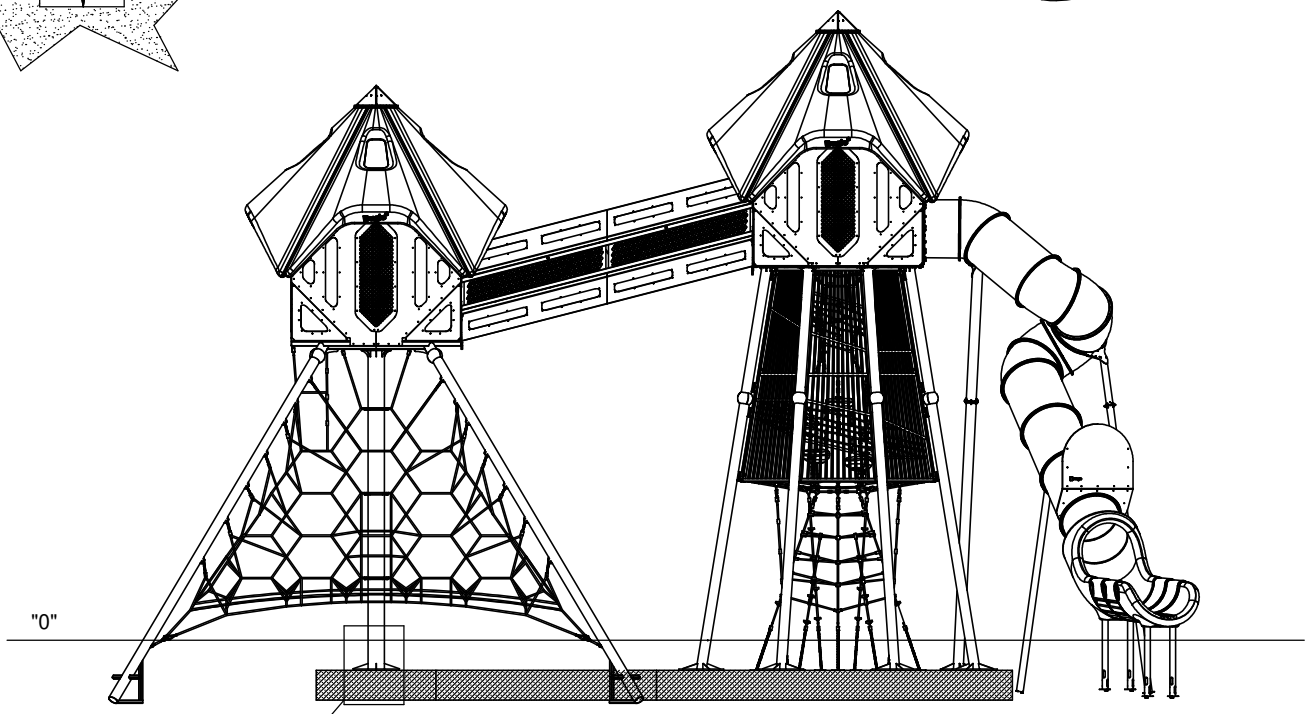

150
150
150
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193
150
1206
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150
150
150
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150
150
150
100
100
200
1411
1705

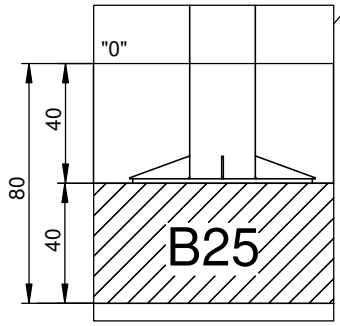
1432N

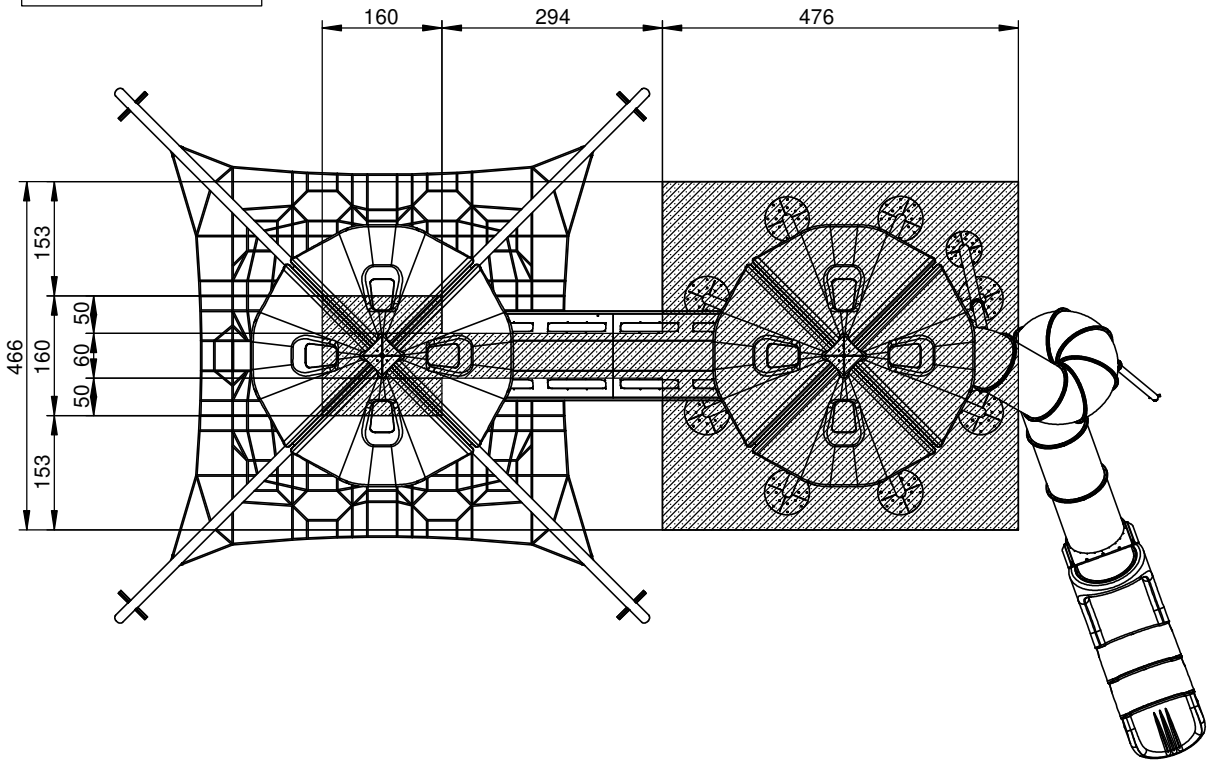

"0"
80


B25 10,5 m3

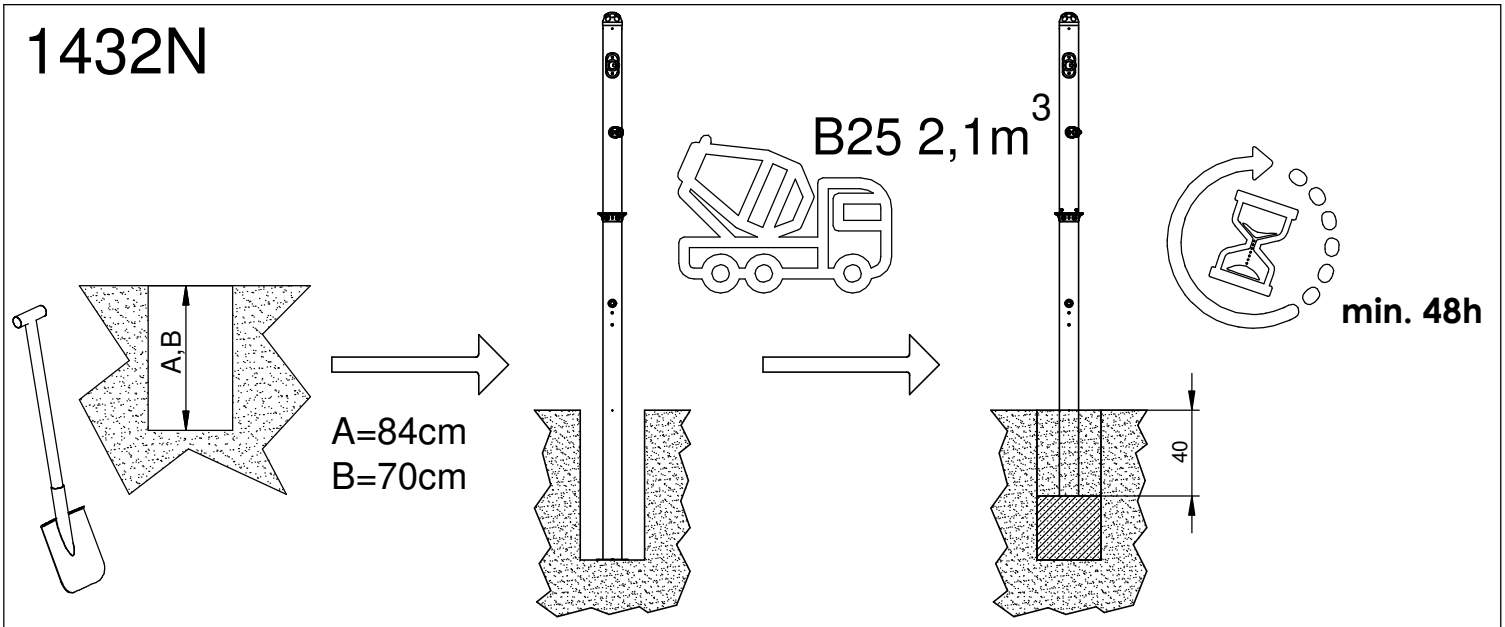

min. 48h

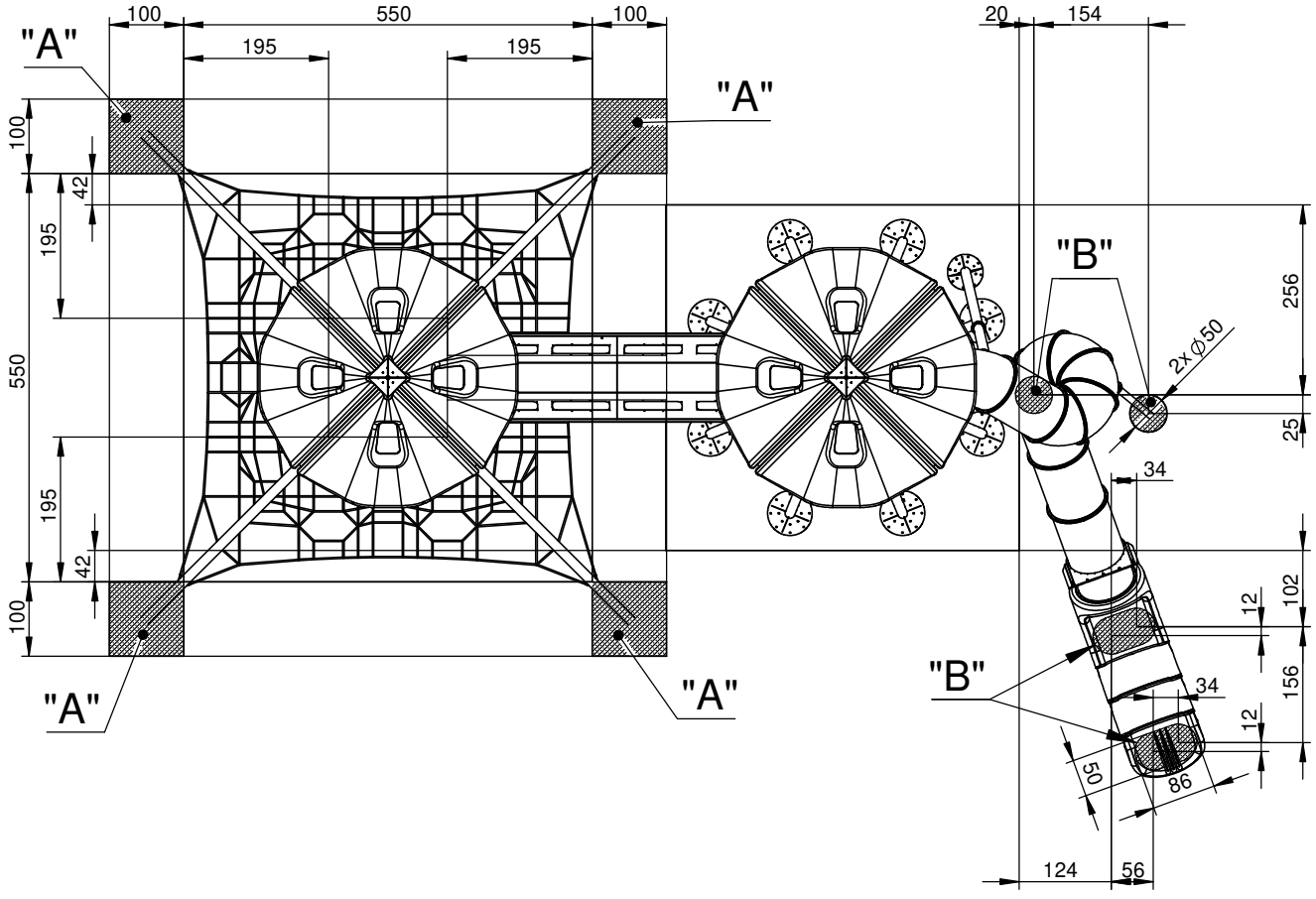

"0"


"0"
40
80
40
B25

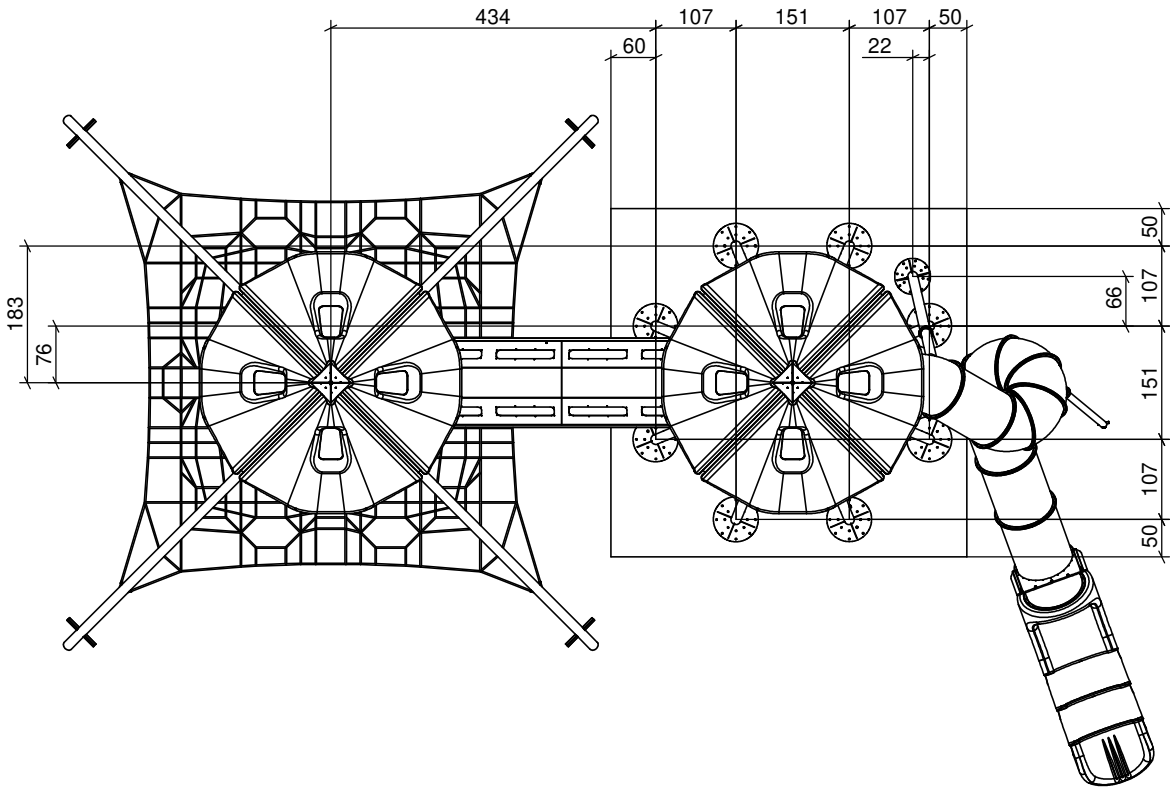

160
294
476
153
50
466
160
60
50
153

1432N

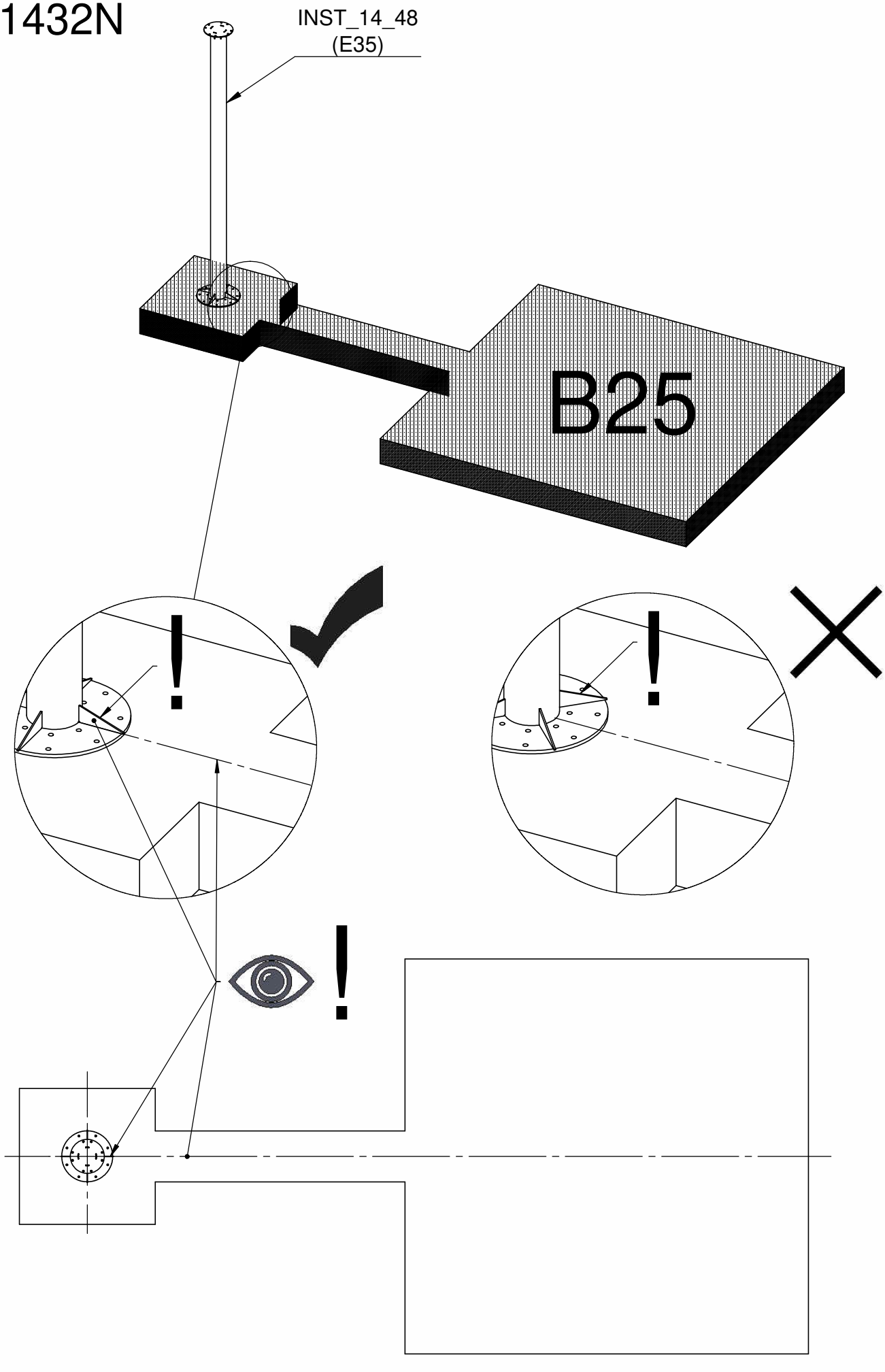

A,B
A=84cm
B=70cm
B25 2,1m3
40
min. 48h


"A"
"A"
"A"
"A"
"B"
"B"
100
550
100
195
195
100
42
195
550
195
42
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34
12
50
86
124
56

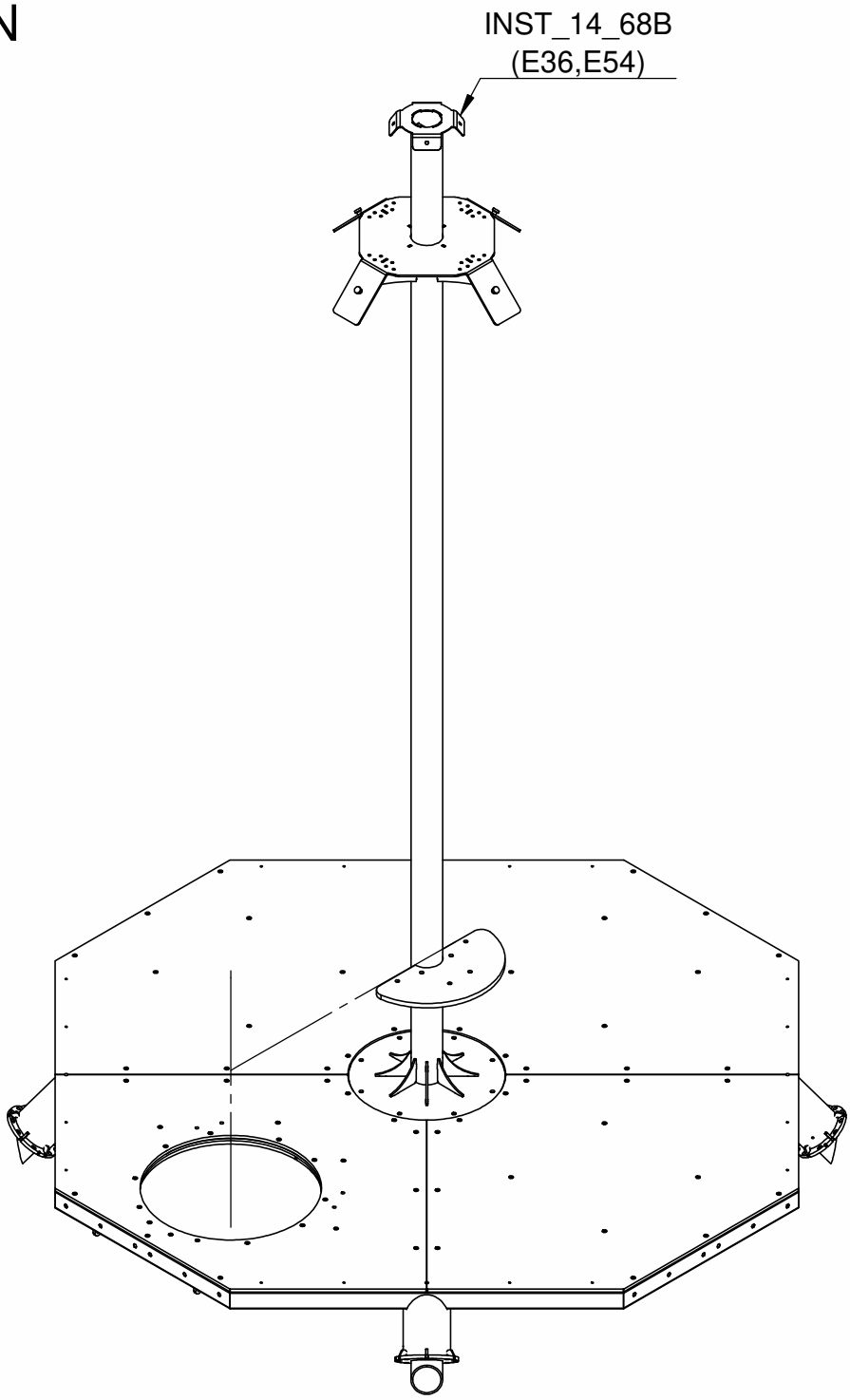
1432N

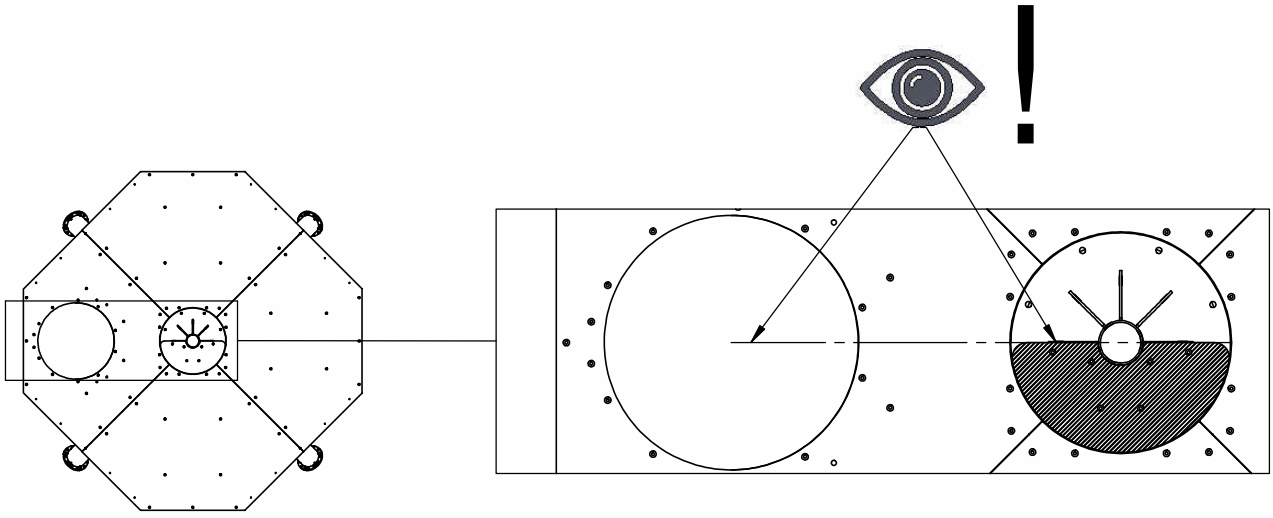


1 1432N

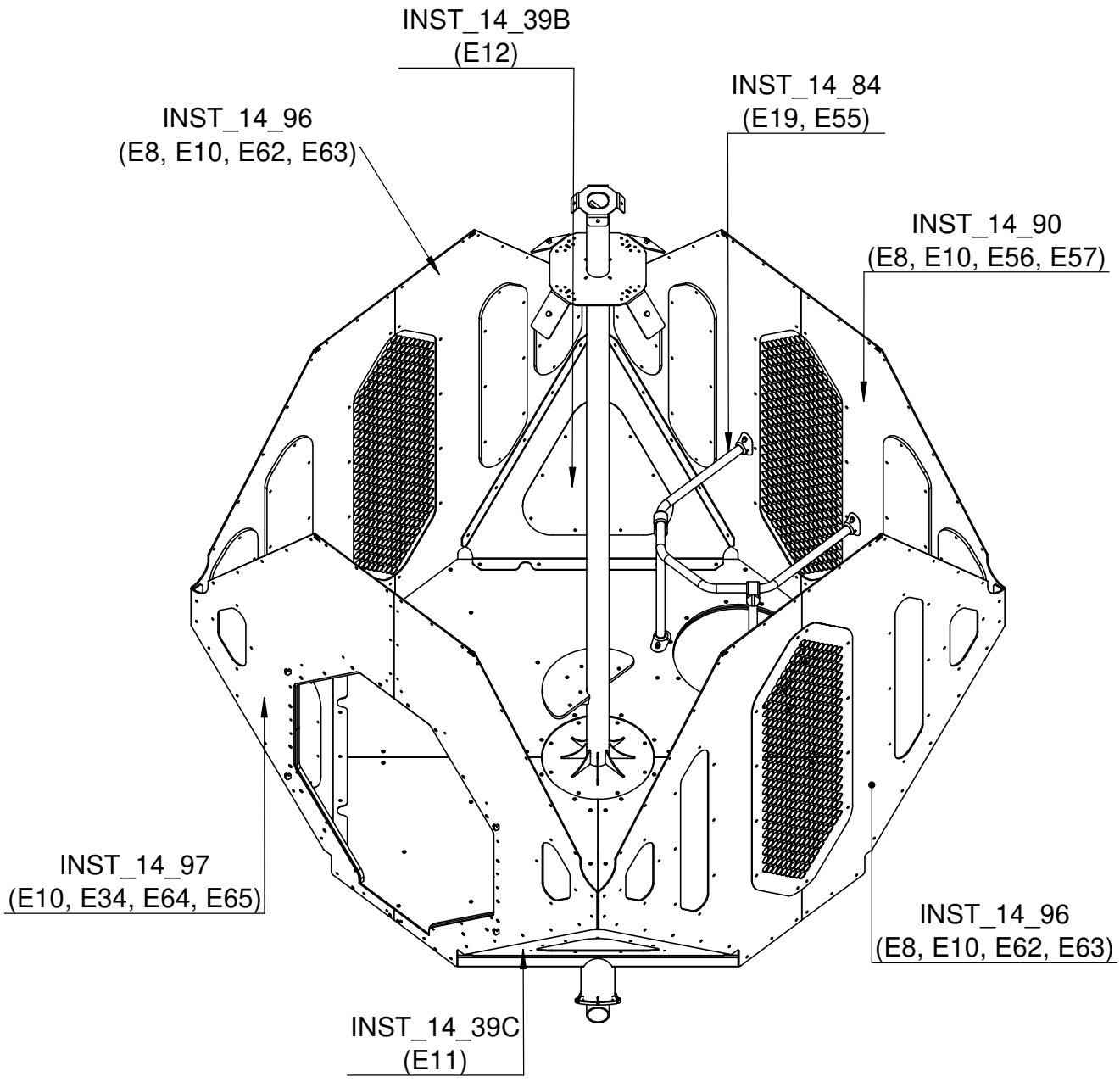


2 1432N

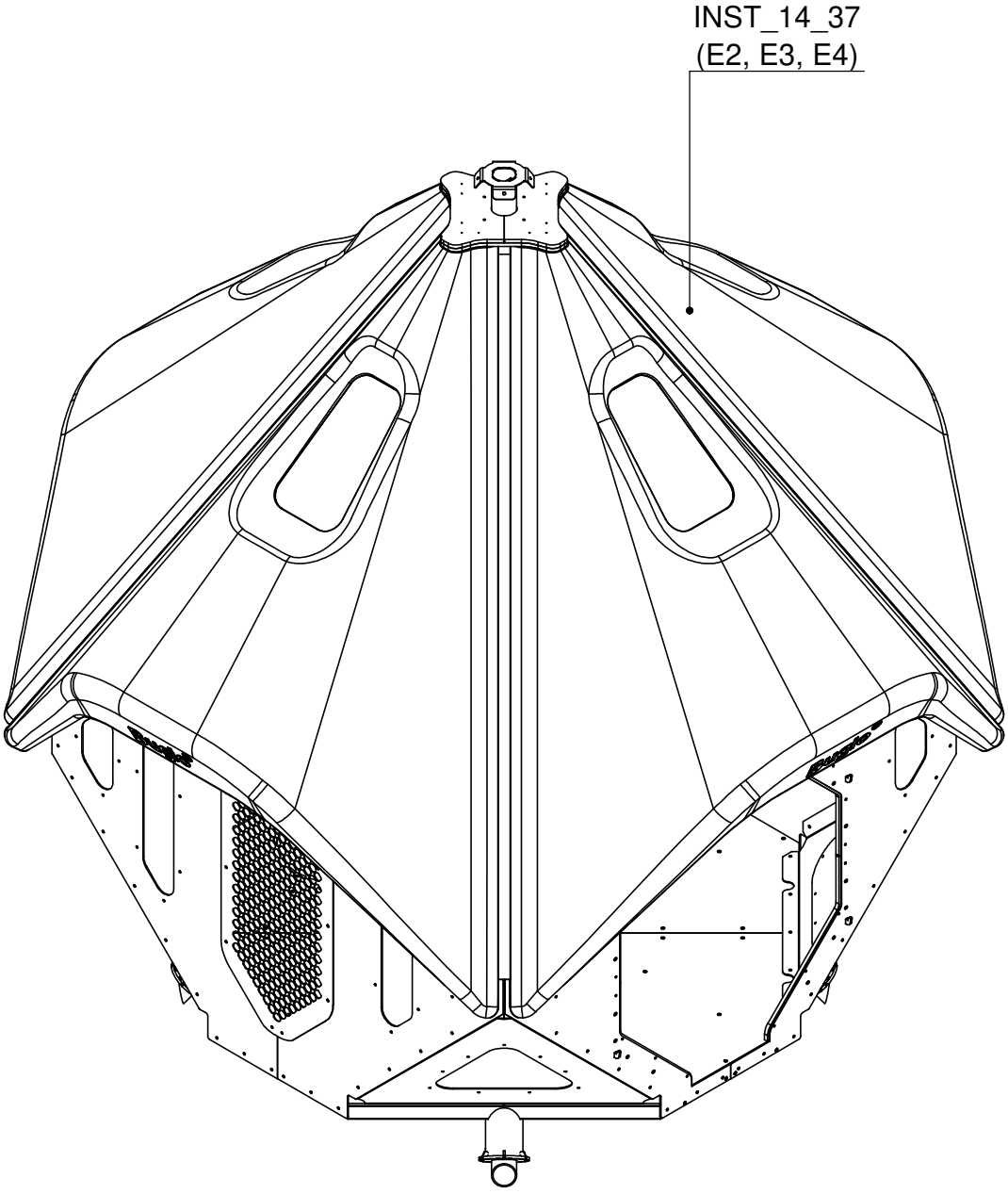




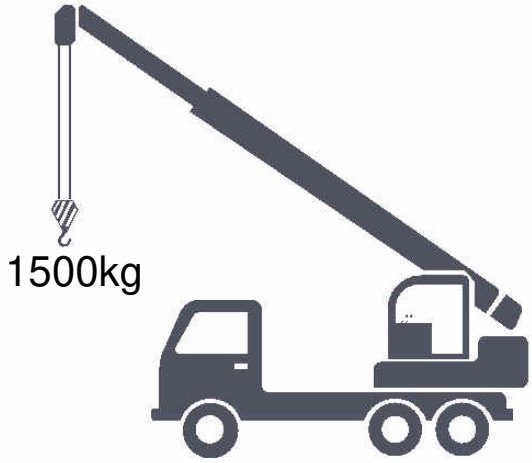
3 1432N

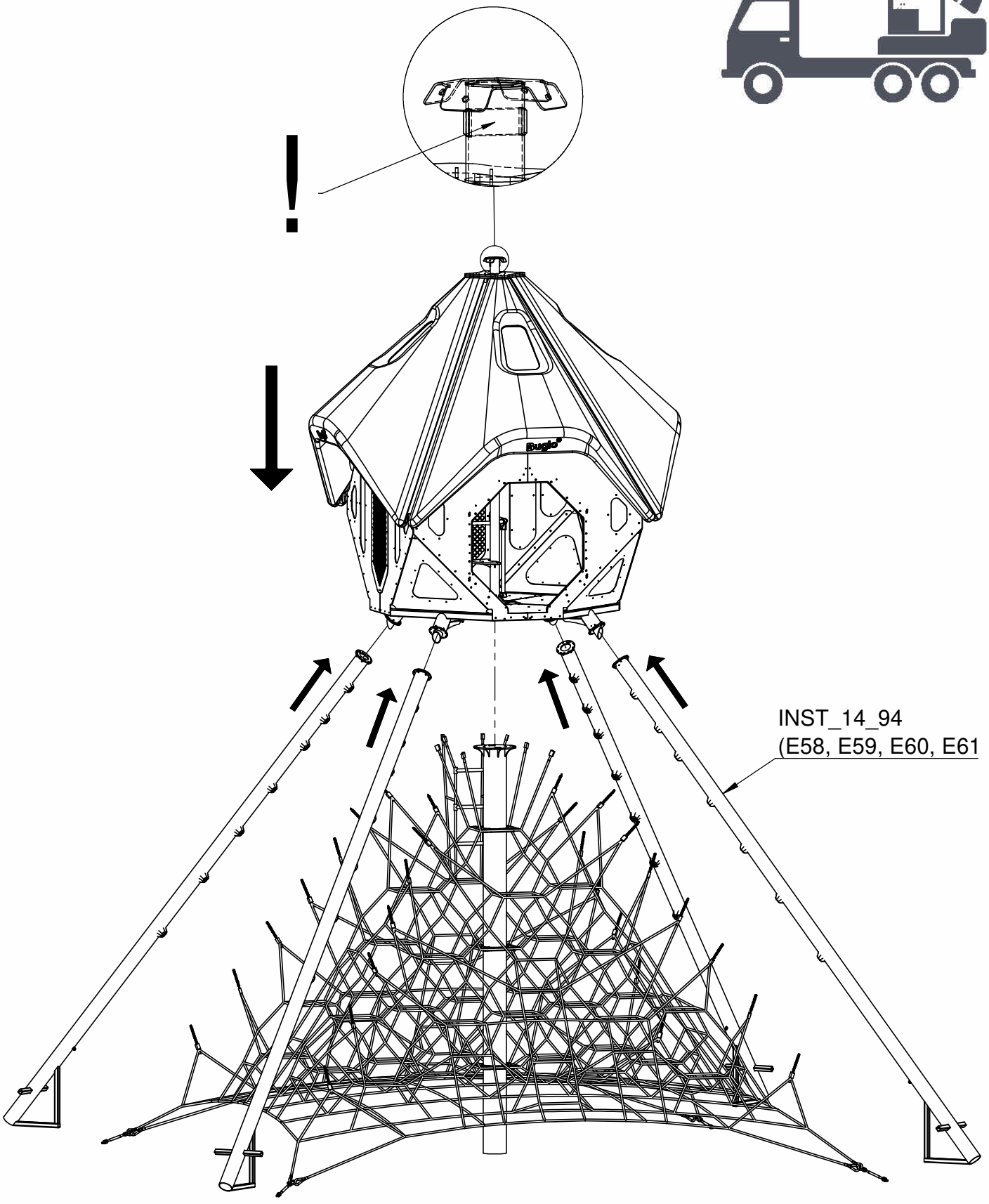

INST_14_39B
(E12)
INST_14_84
(E19, E55)
INST_14_96
(E8, E10, E62, E63)
INST_14_90
(E8, E10, E56, E57)
INST_14_97
(E10, E34, E64, E65)
INST_14_96
(E8, E10, E62, E63)
INST_14_39C
(E11)

4 1432N

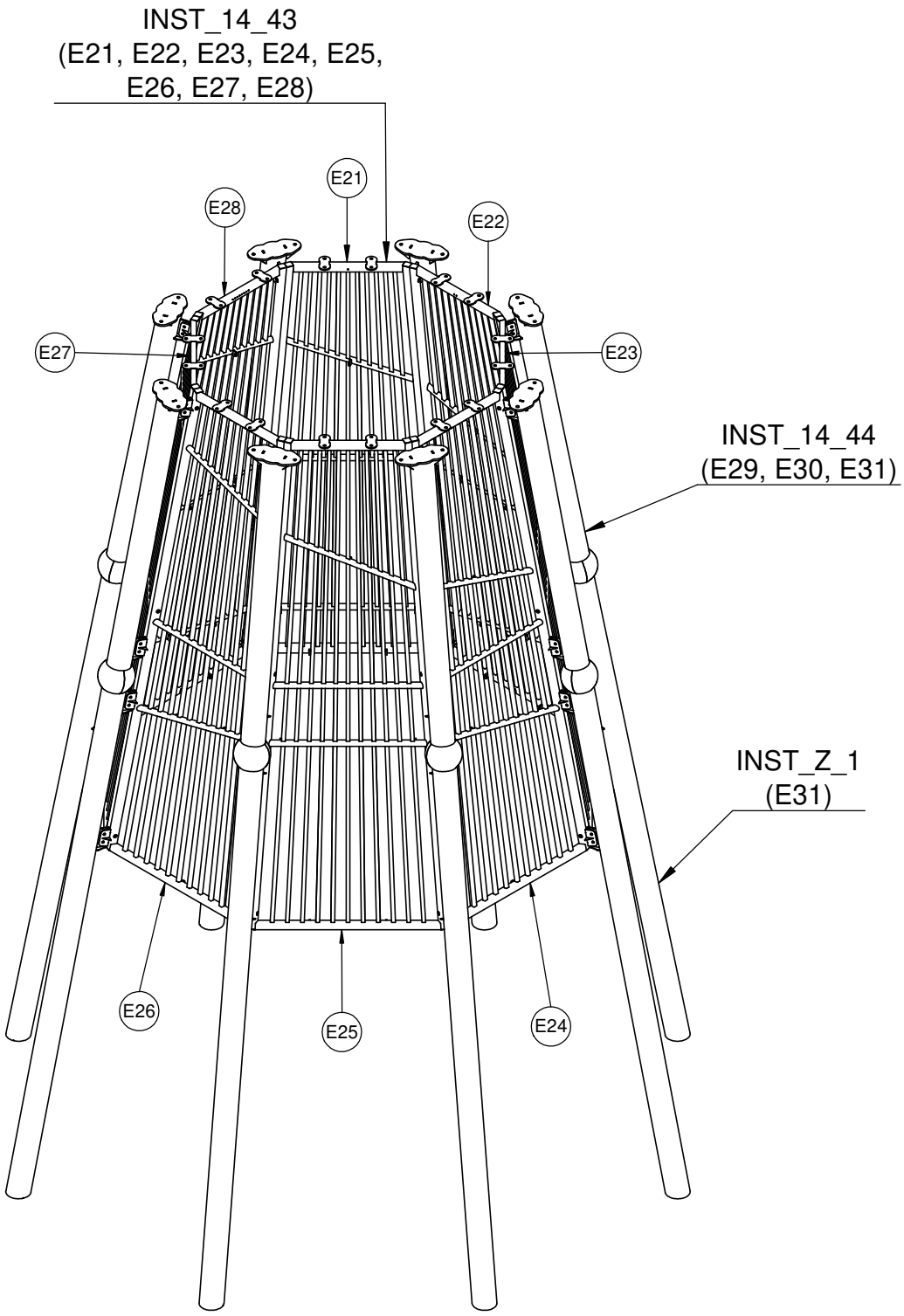


5 1432N

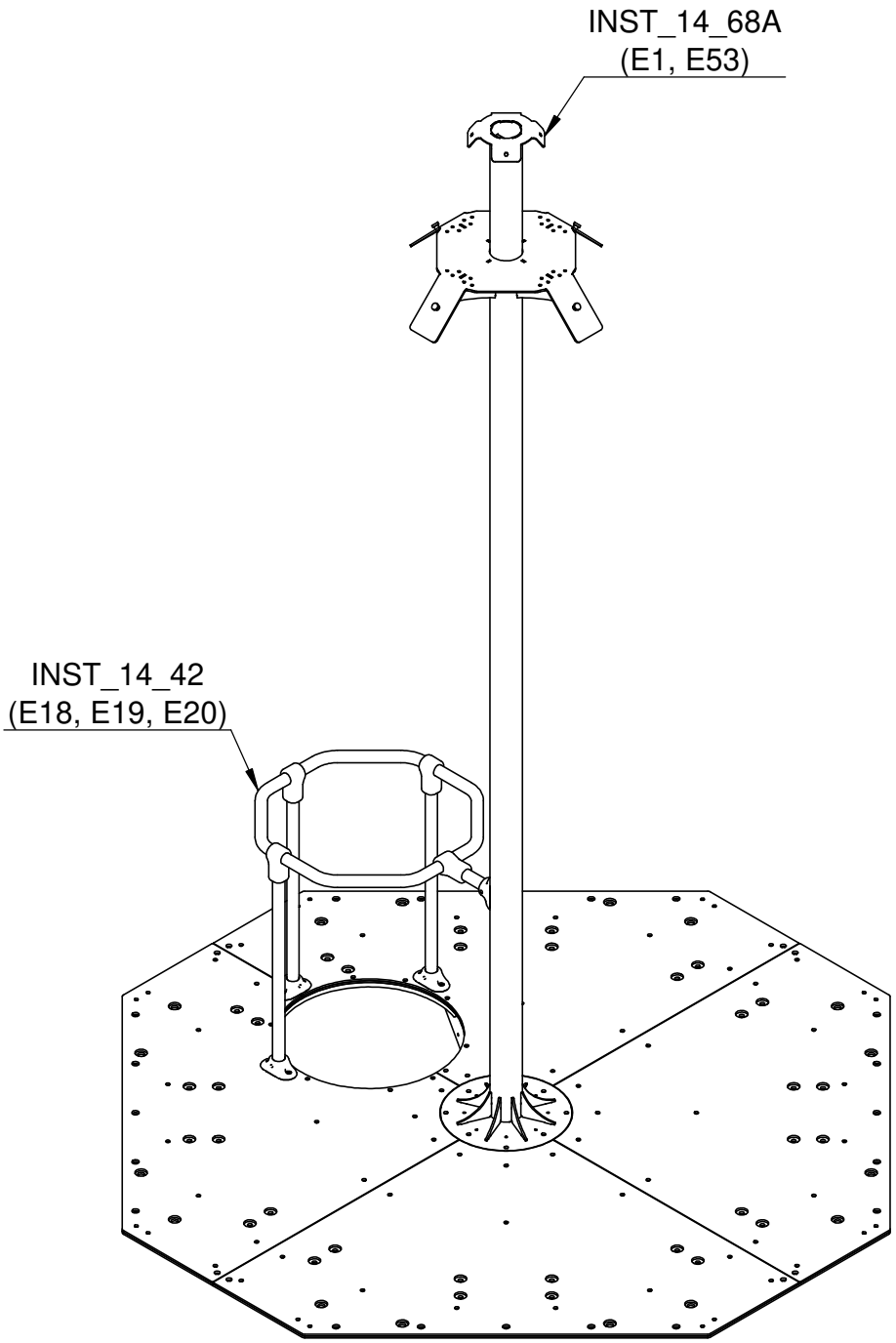




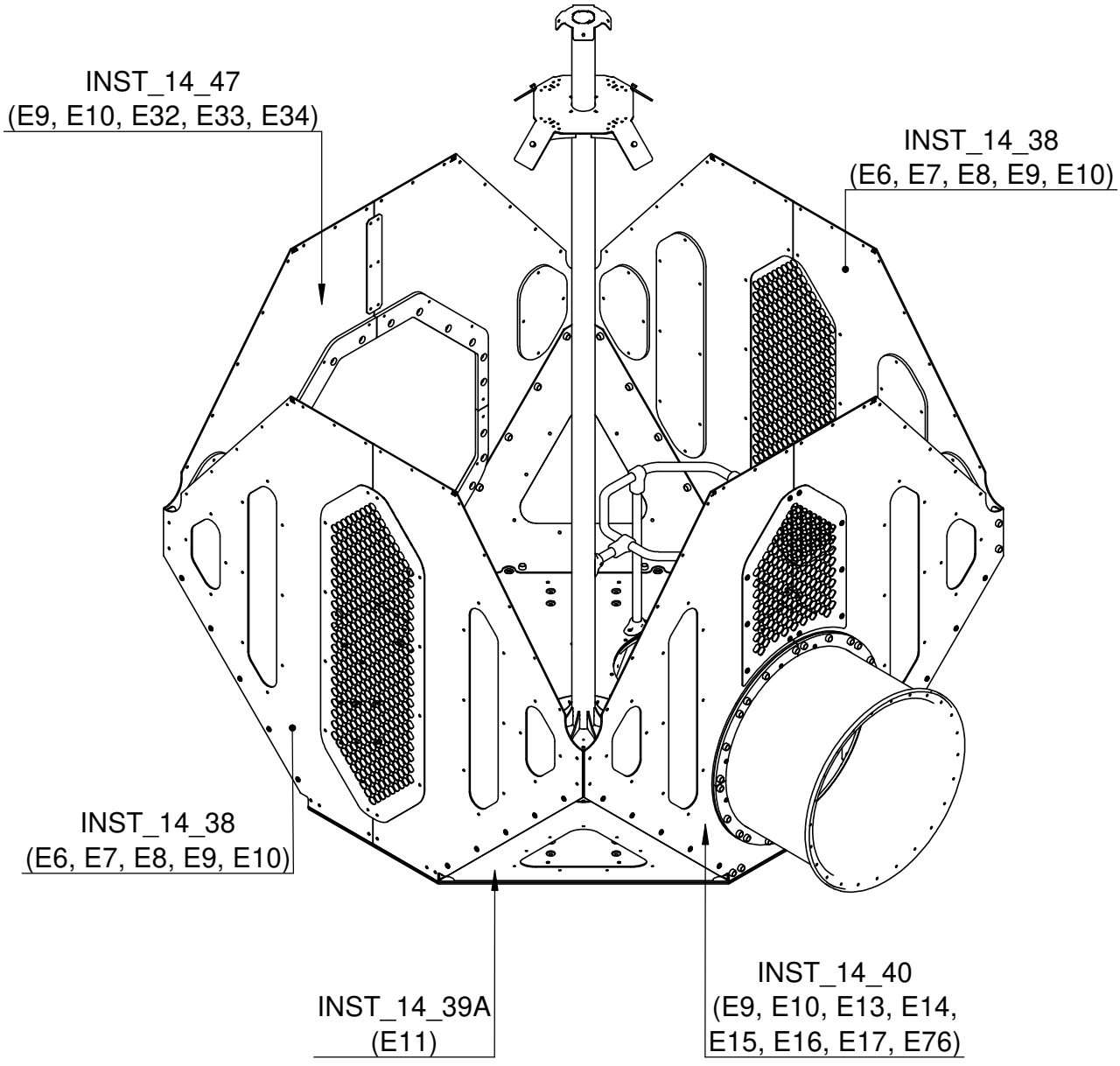
6 1432N


INST_14_43
(E21, E22, E23, E24, E25,
E26, E27, E28)
E21
E28
E22
E27
E23
INST_14_44
(E29, E30, E31)
INST_Z_1
(E31)
E26
E25
E24

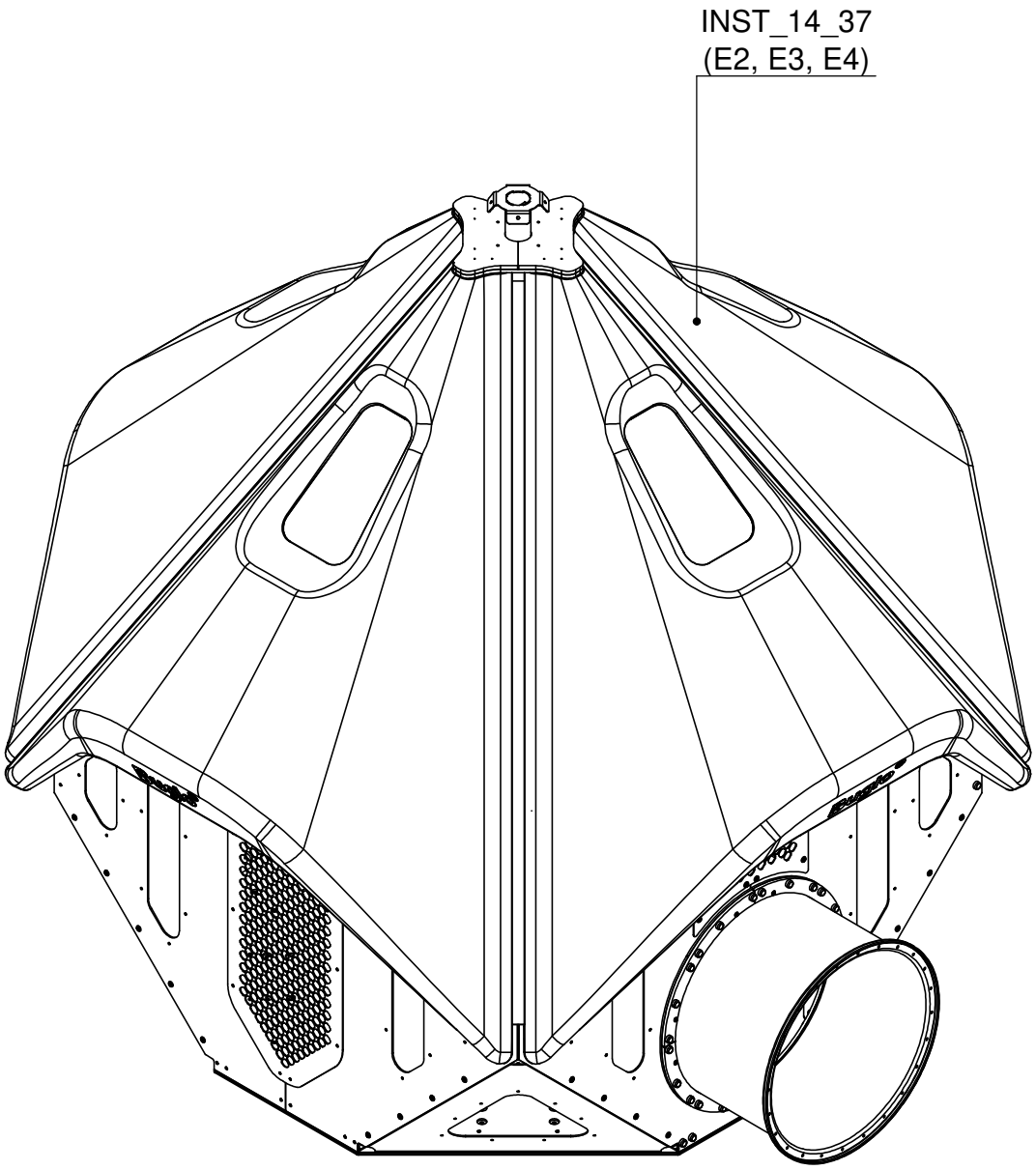
7 1432N



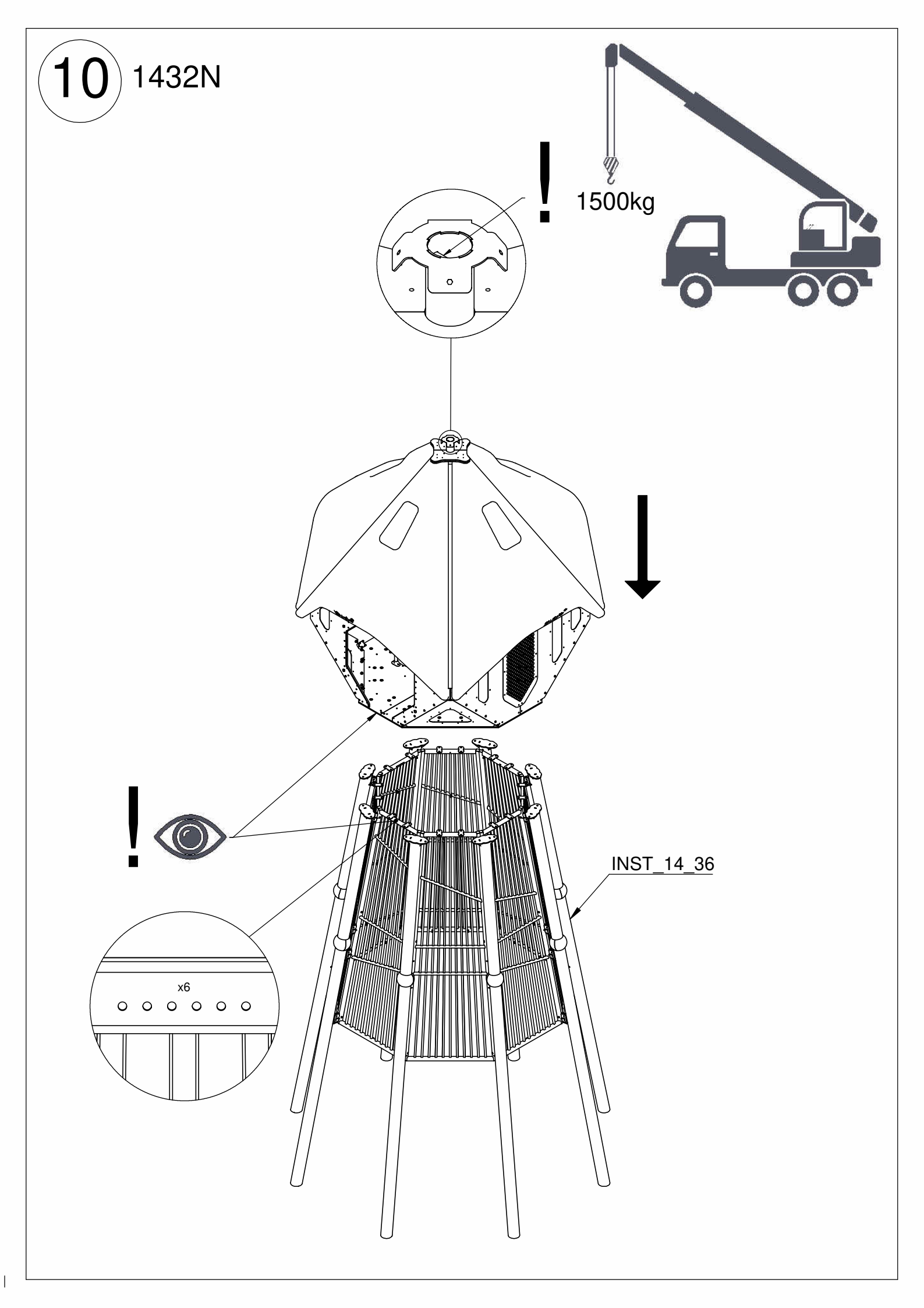
8 1432N


INST_14_47
(E9, E10, E32, E33, E34)
INST_14_38
(E6, E7, E8, E9, E10)
INST_14_38
(E6, E7, E8, E9, E10)
INST_14_39A
(E11)
INST_14_40
(E9, E10, E13, E14,
E15, E16, E17, E76)

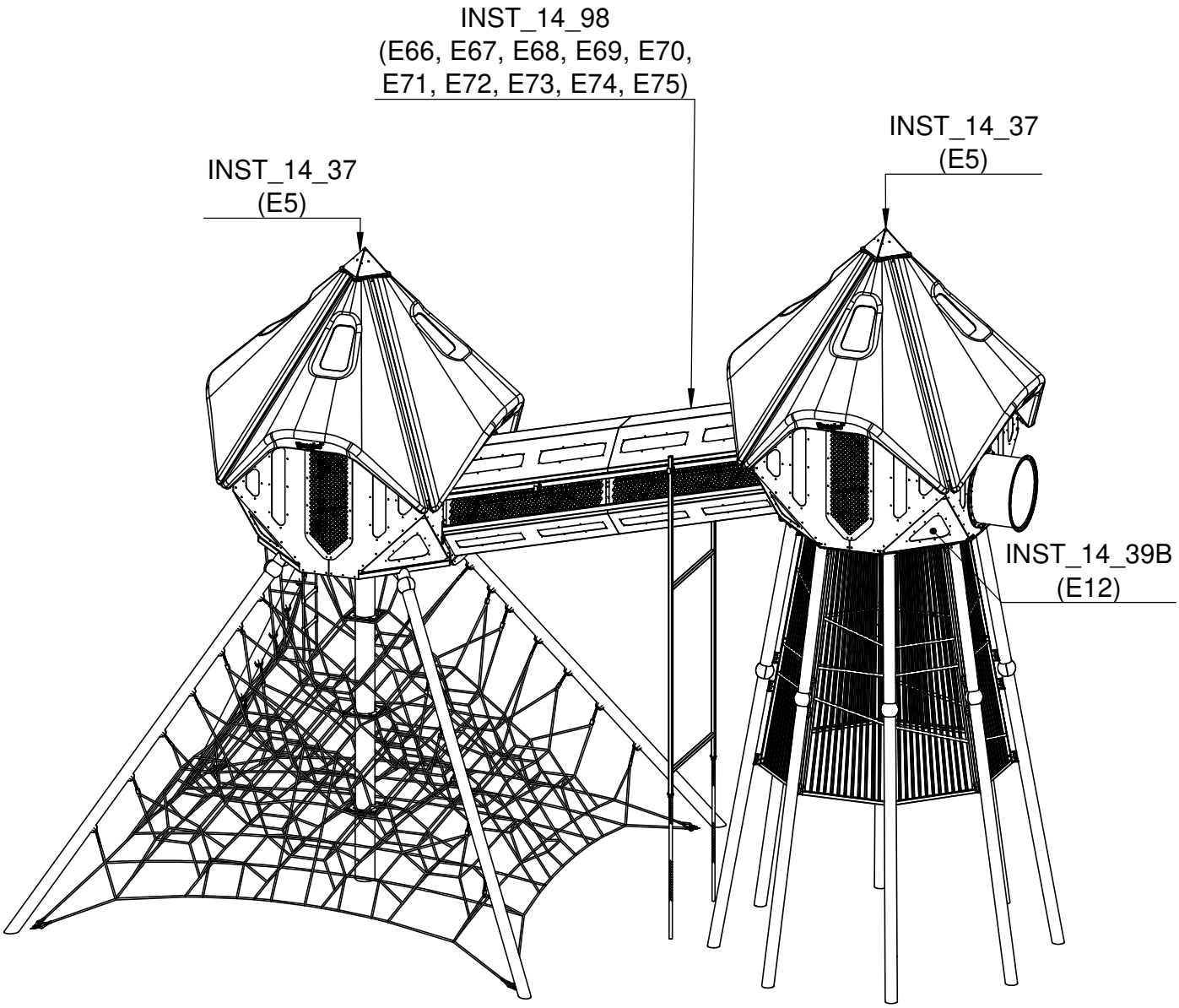
9 1432N



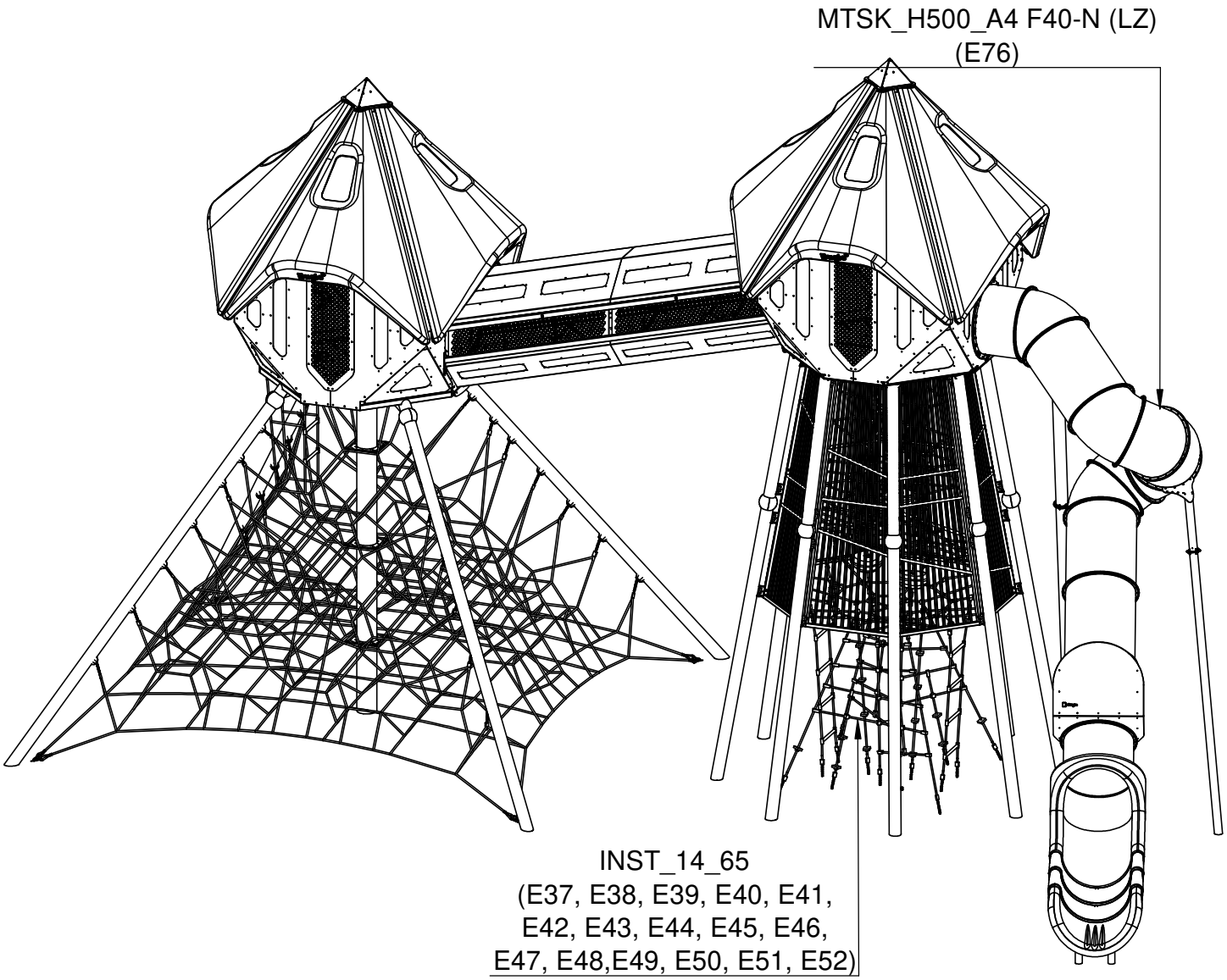
10 1432N



11 1432N

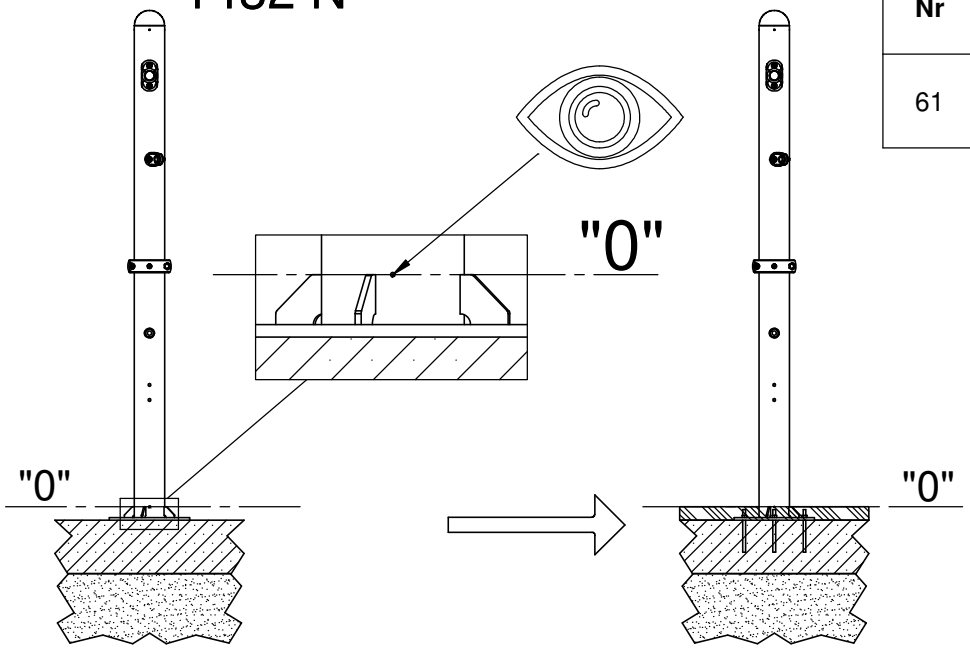

INST_14_98
(E66, E67, E68, E69, E70,
E71, E72, E73, E74, E75)
INST_14_37
(E5)
INST_14_37
(E5)
INST_14_39B
(E12)

12 1431N

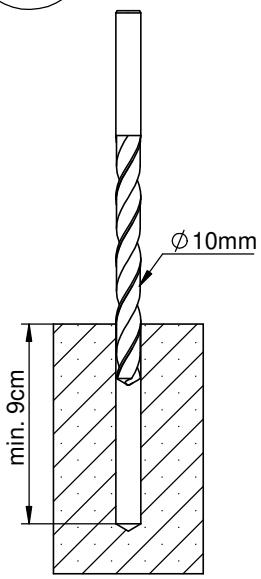

MTSK_H500_A4 F40-N (LZ)
(E76)
INST_14_65
(E37, E38, E39, E40, E41,
E42, E43, E44, E45, E46,
E47, E48,E49, E50, E51, E52)

1432 N

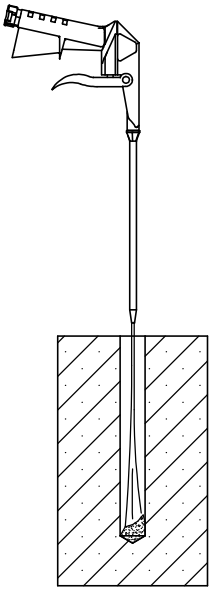
Nr	Element		
61		-	KL105 (OC)

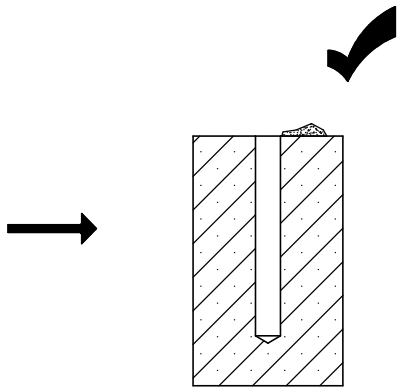


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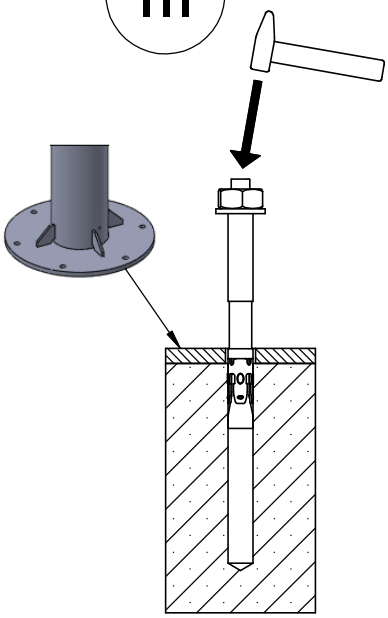


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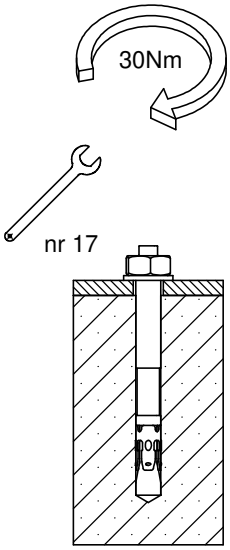




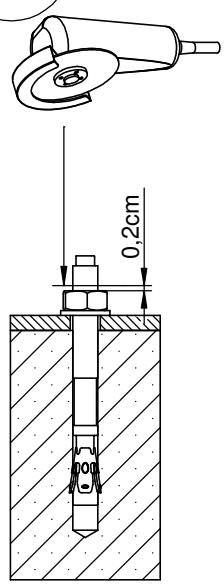
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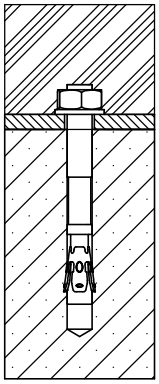
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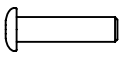
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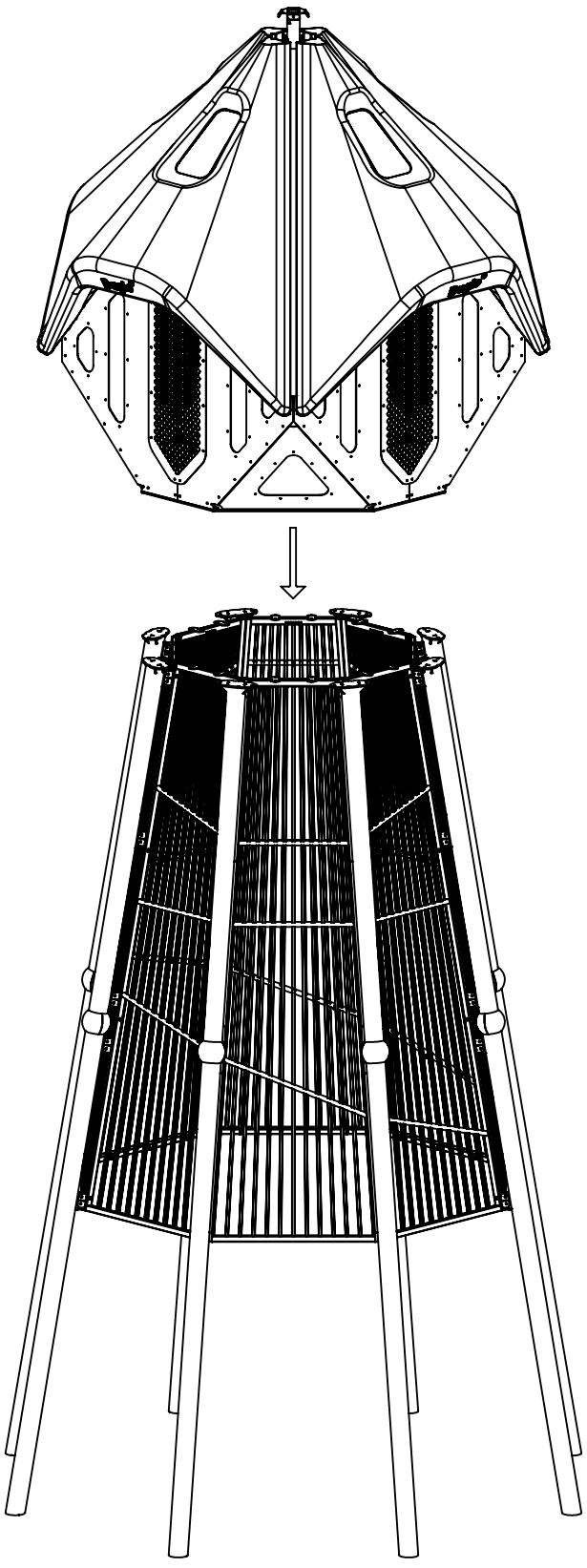
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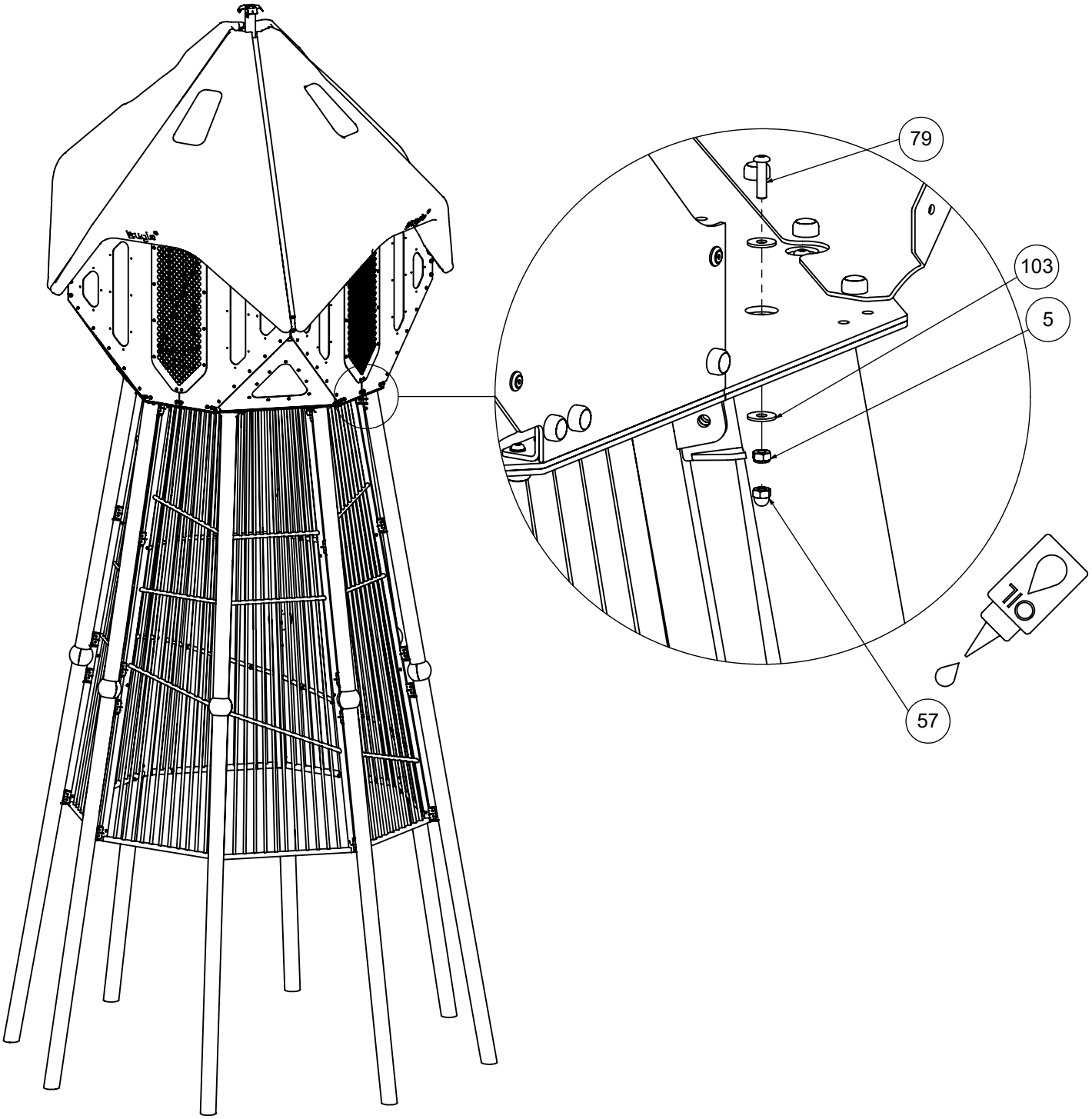
INST_14_36

Nr	Σ	Element		
5	16		DIN 985	M10
44	32		ISO 7380	M10x25
57	48		DIN 1587	M10
79	16		ISO 7380	M10x40
103	96		DIN 9021	10x30
579	1		-	OIL

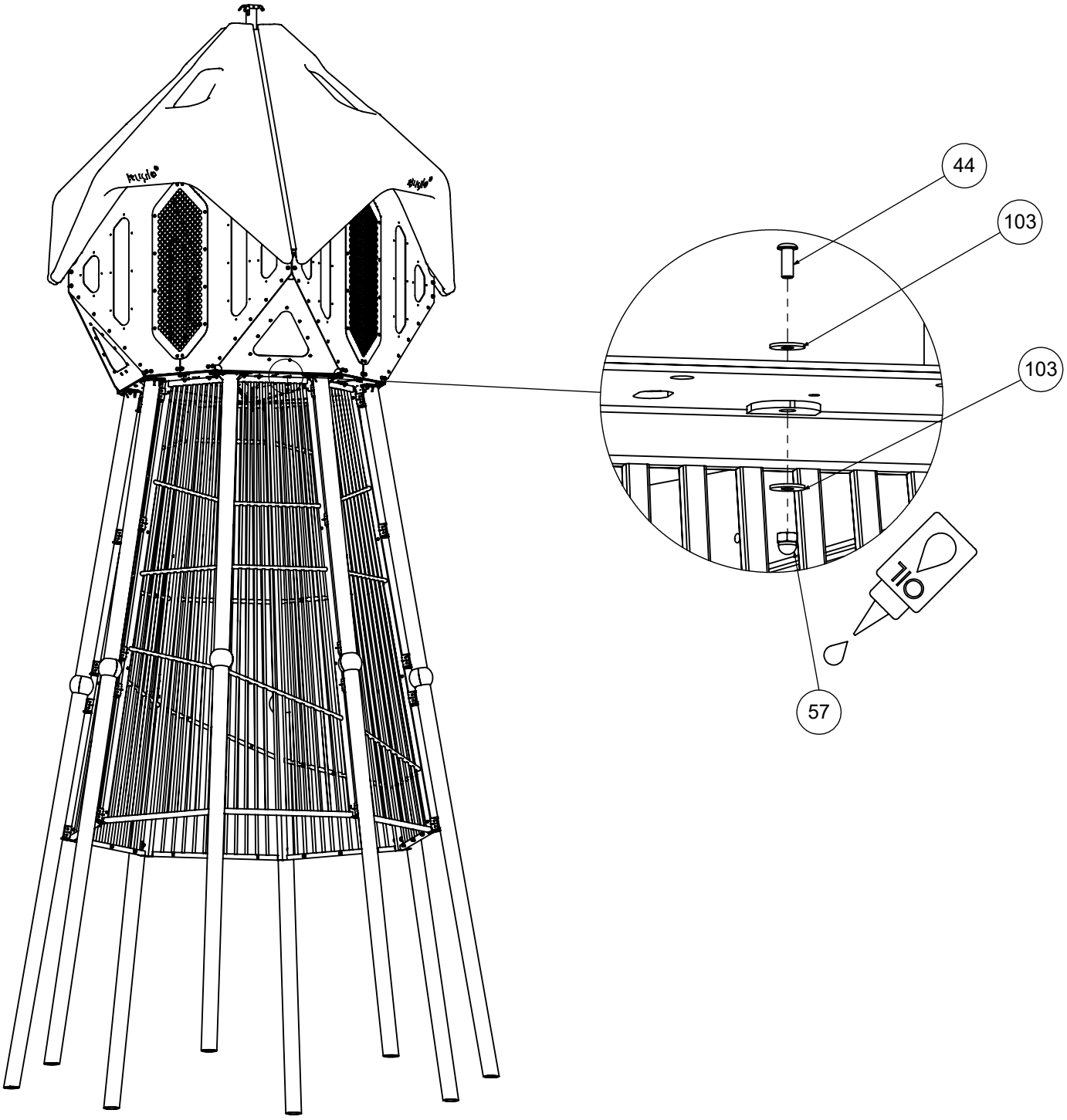
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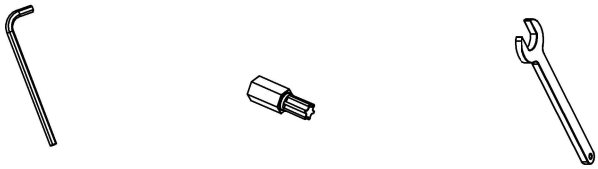
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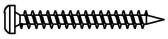
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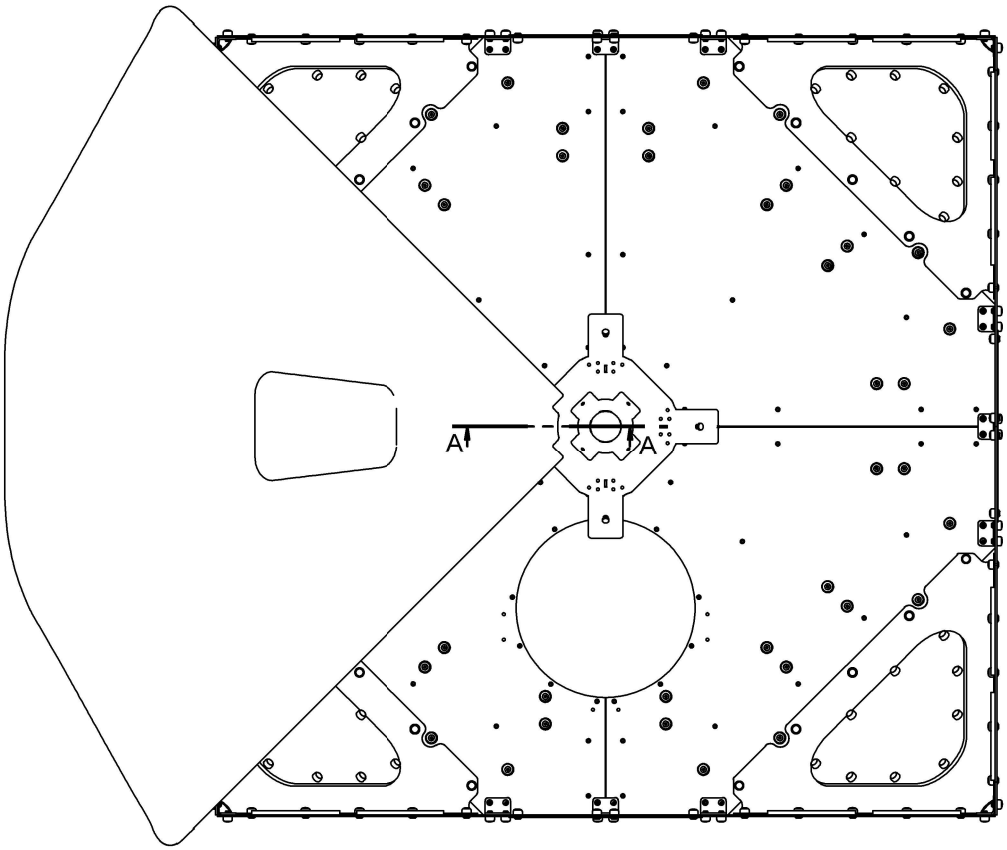
INST_14_37



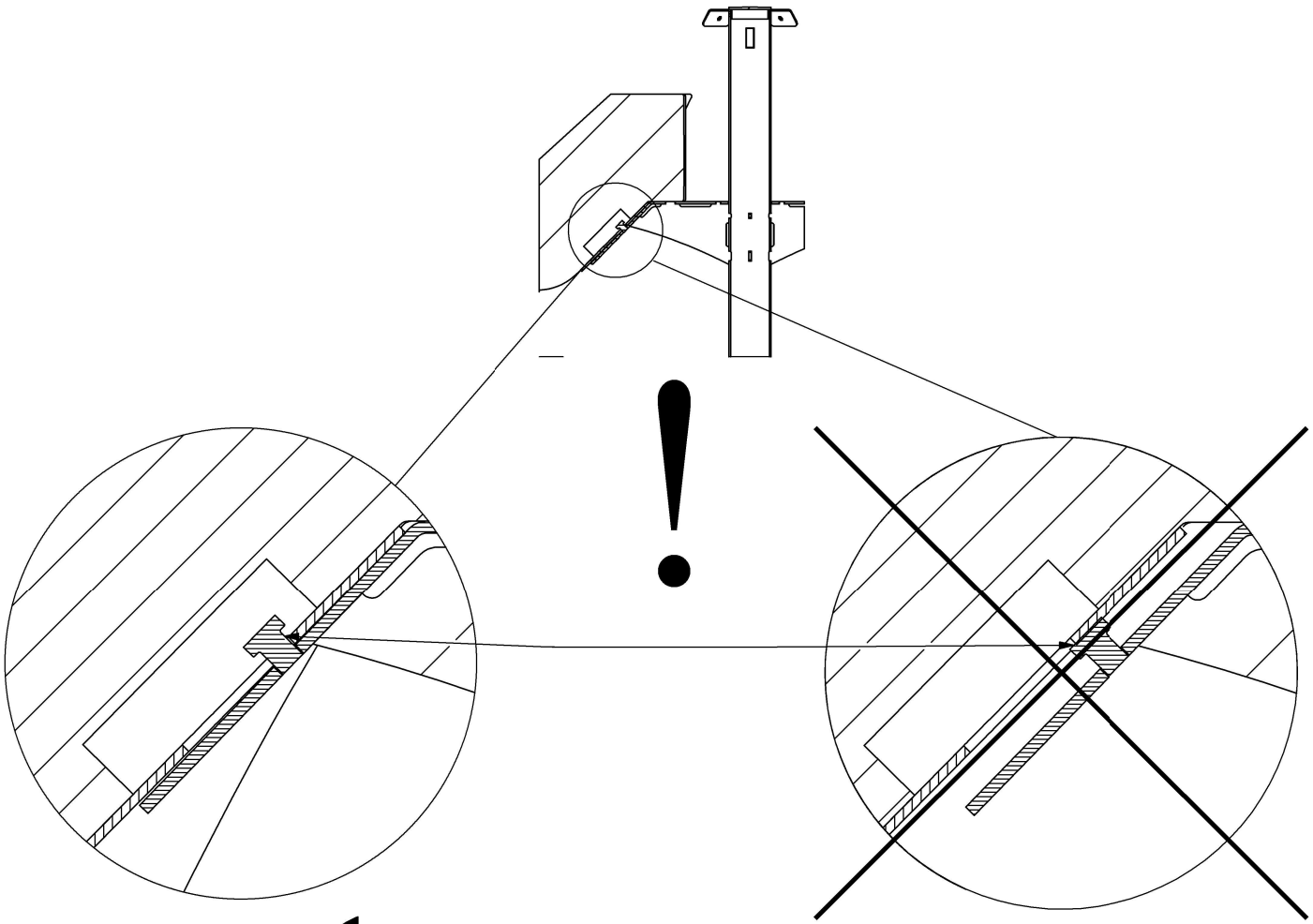
Nr. 4 Nr. T25, T20 Nr. 10

Nr	Σ	Element		
1	100		-	S6x60
2	100		-	W6x60
10	8		DIN 9021	6x18
13	4		ISO 7380	M6x20
16	4		-	K1_d21_B
17	4		-	Z1_d21_B
18	4		DIN 985	M6 (OC)
19	4		ISO 7380	M6x40
22	80		DIN 125	6x12
24	12		ISO 7380	M6x16
26	64		-	S4x40
518	1		-	ZASP_88,9

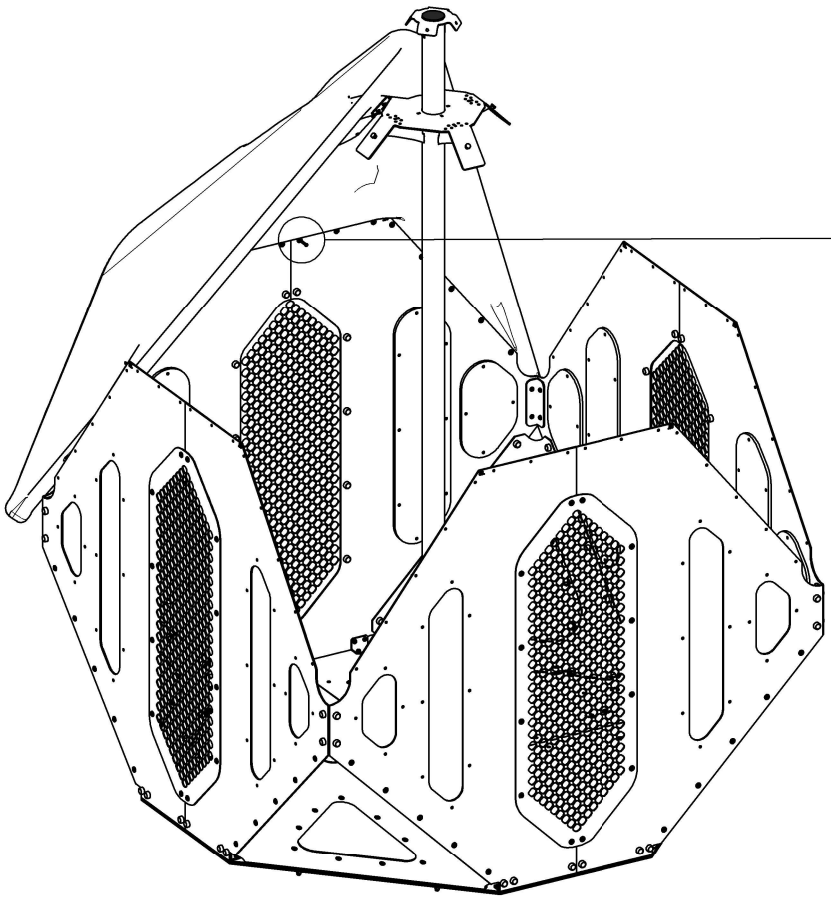
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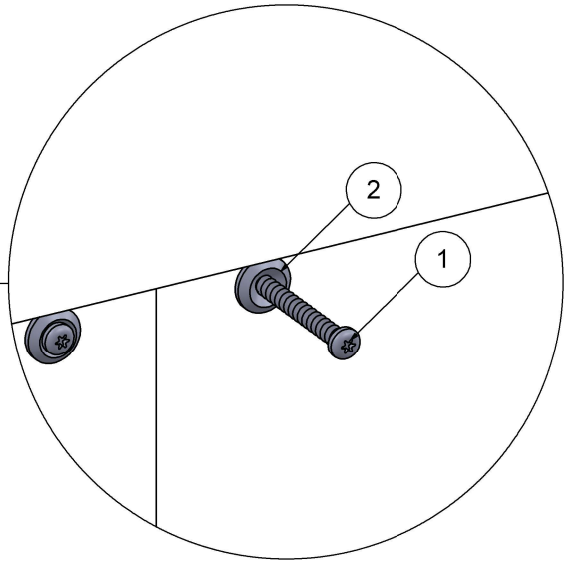


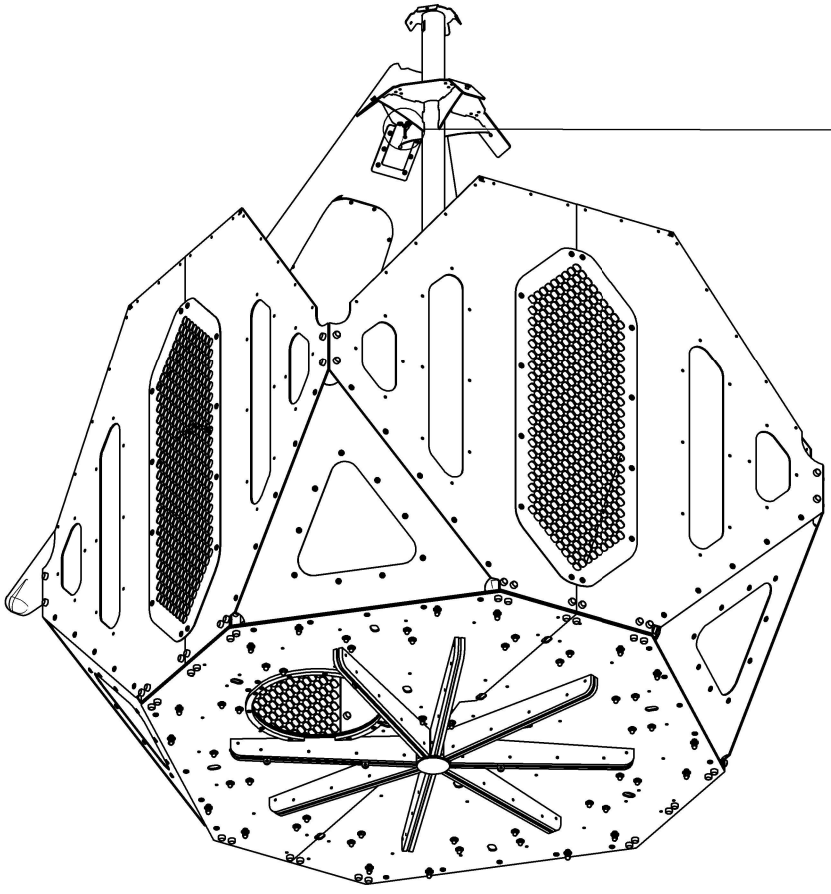
A-A (1 : 15)

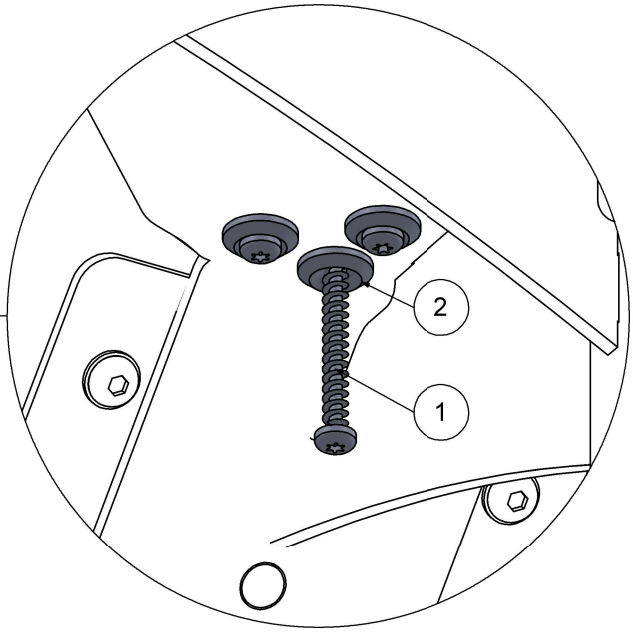


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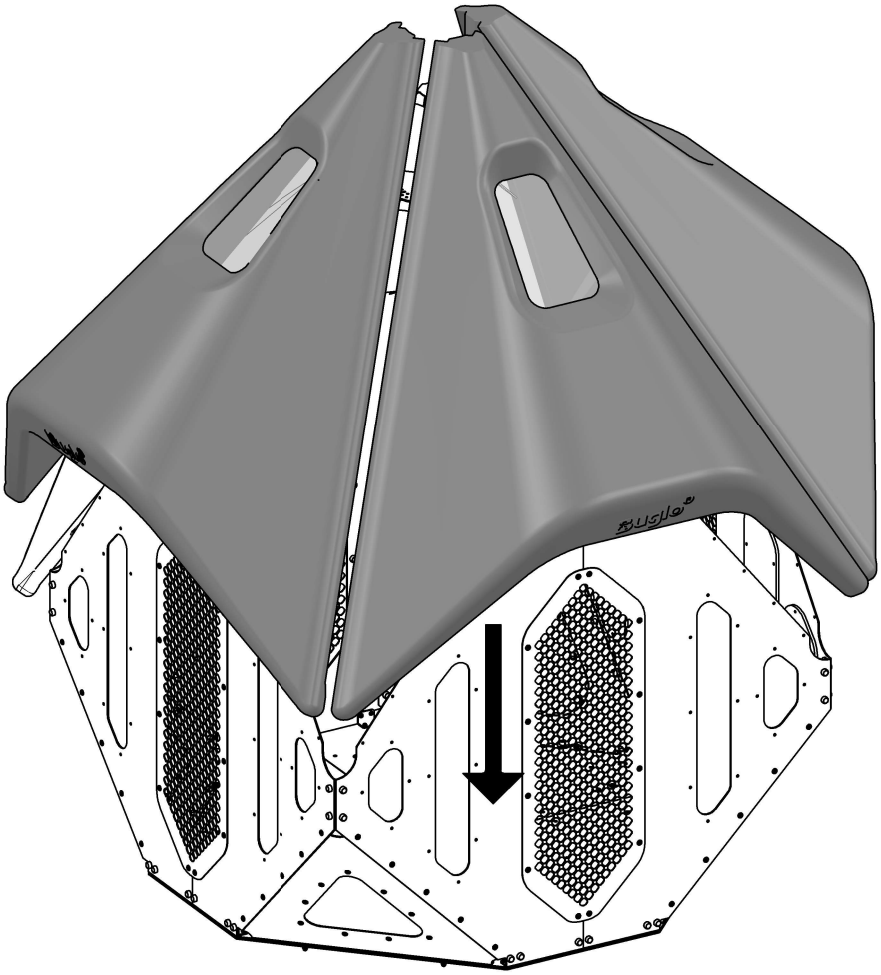




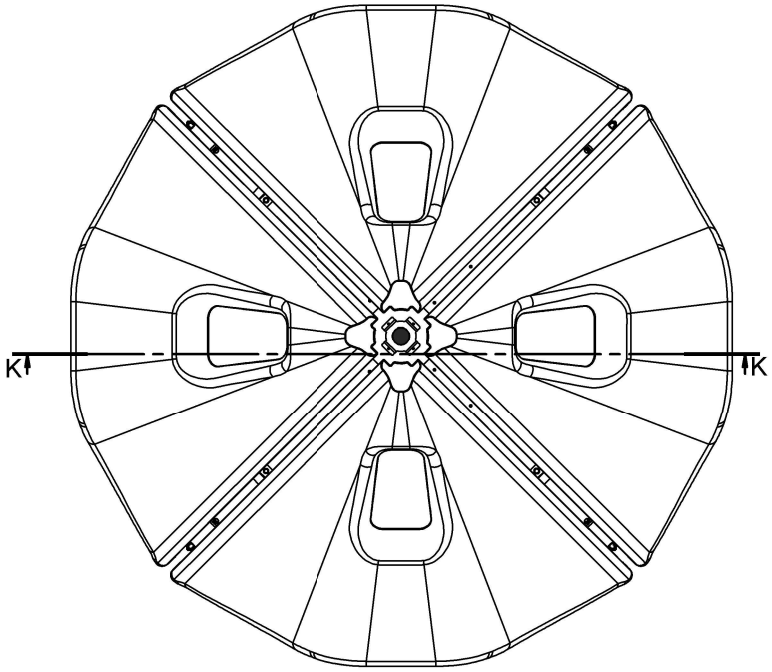




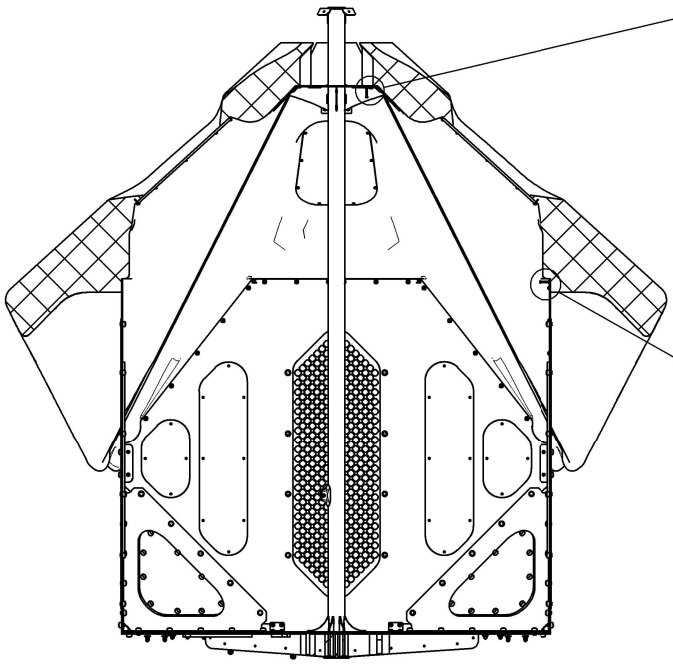
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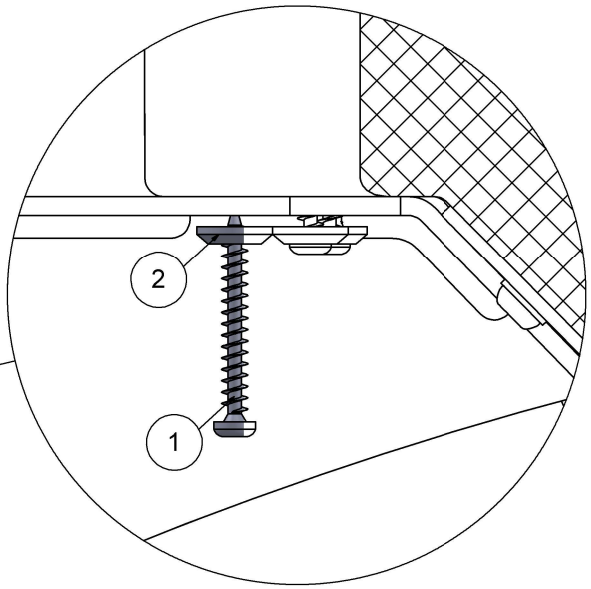


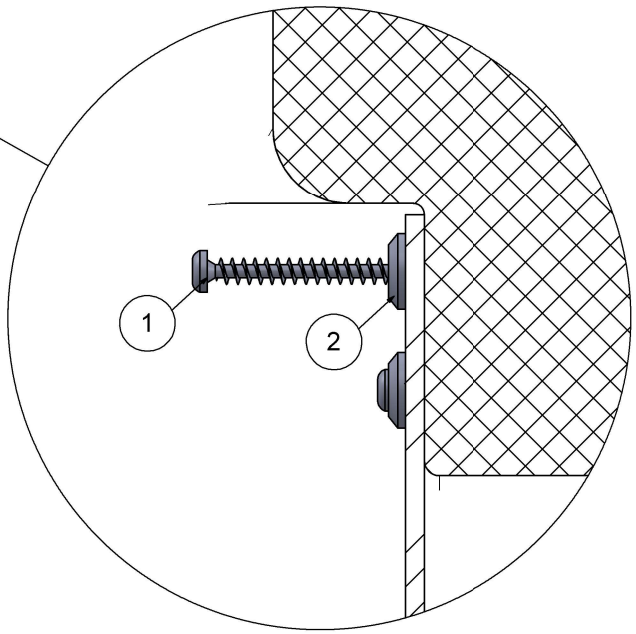
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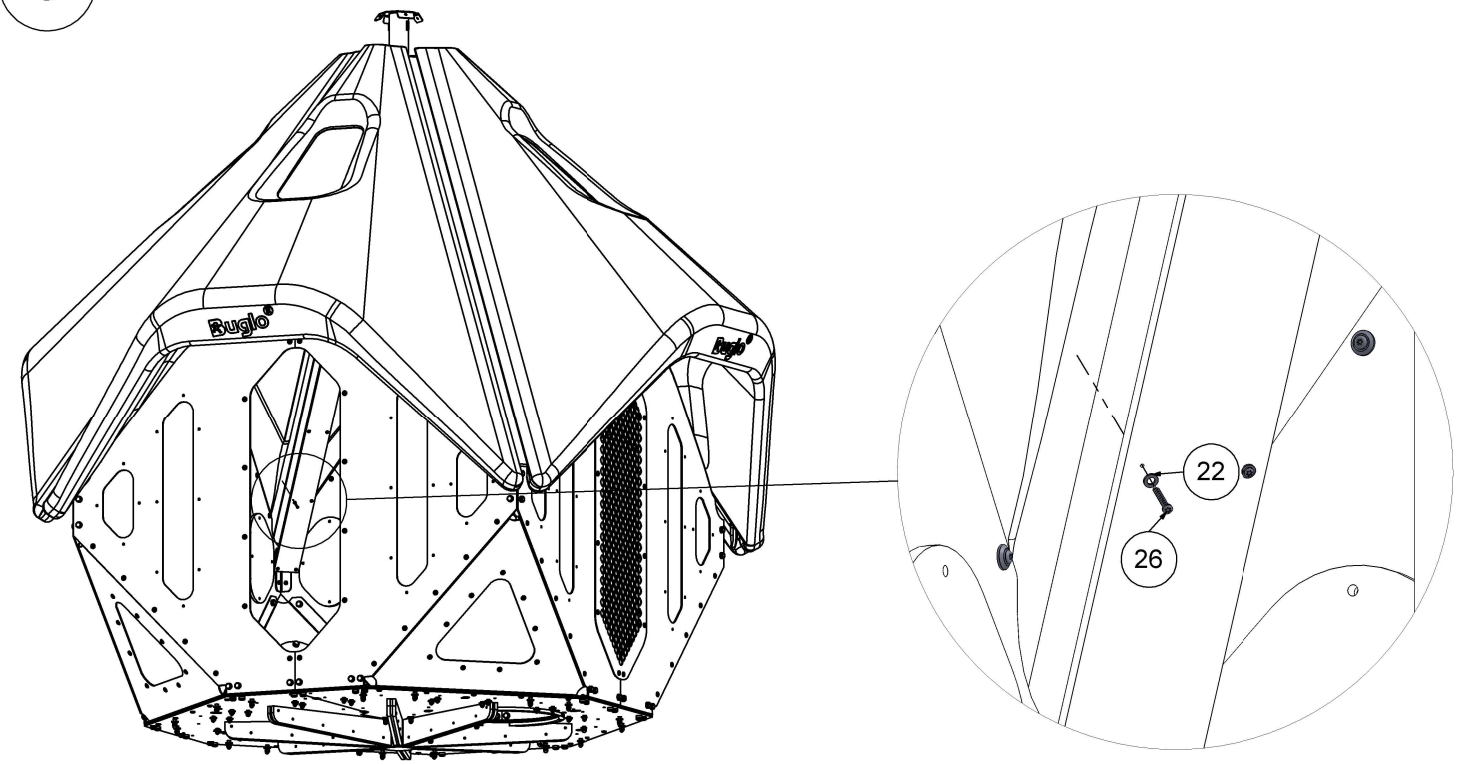
K-K (1 : 40)



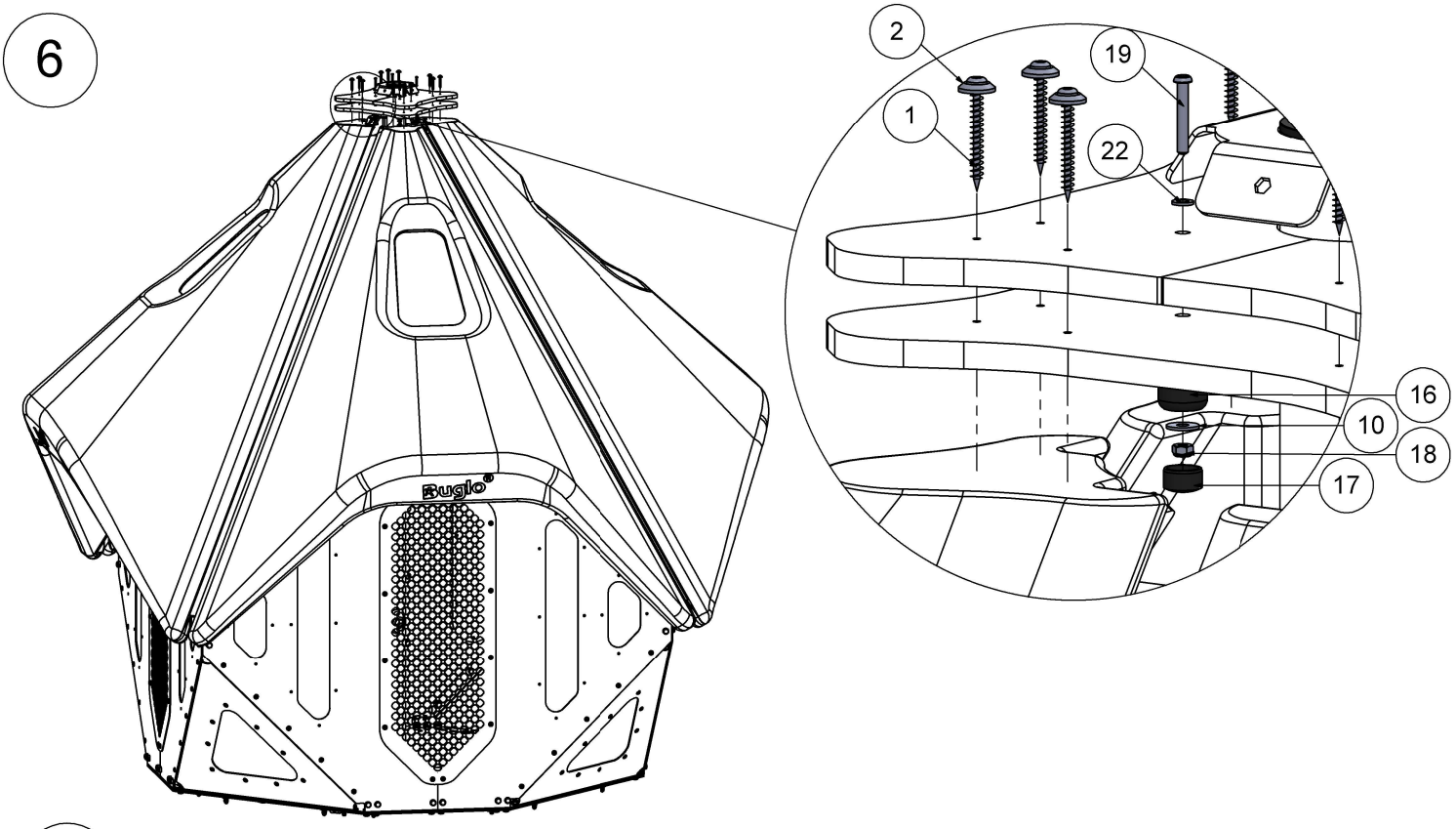




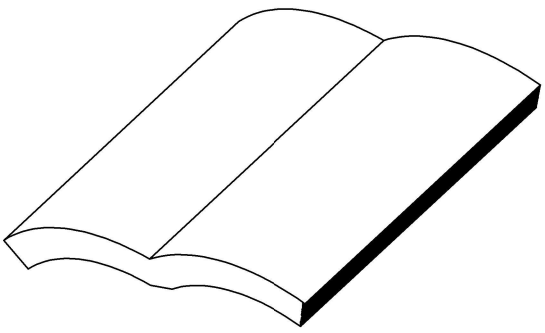
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6



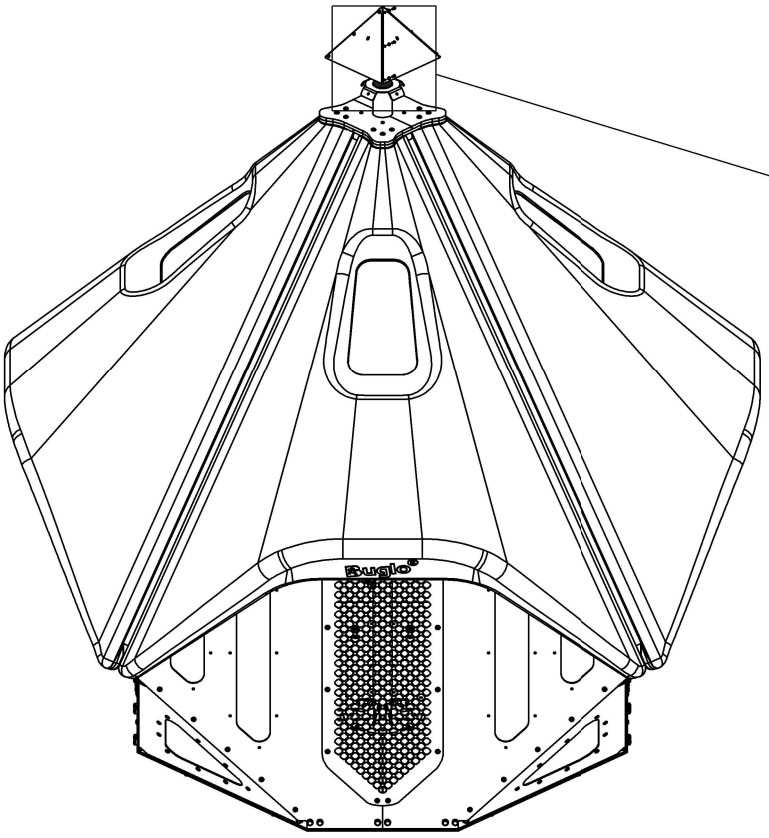
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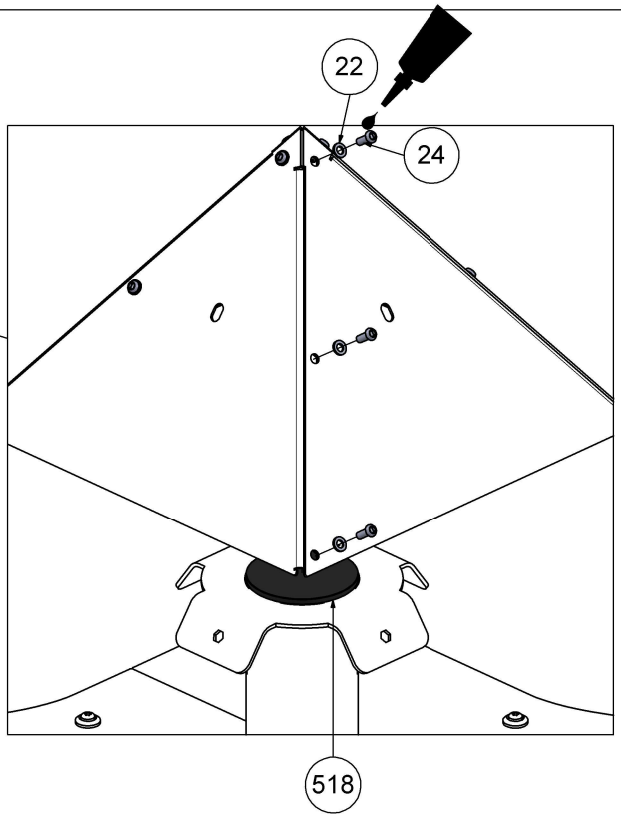


14....

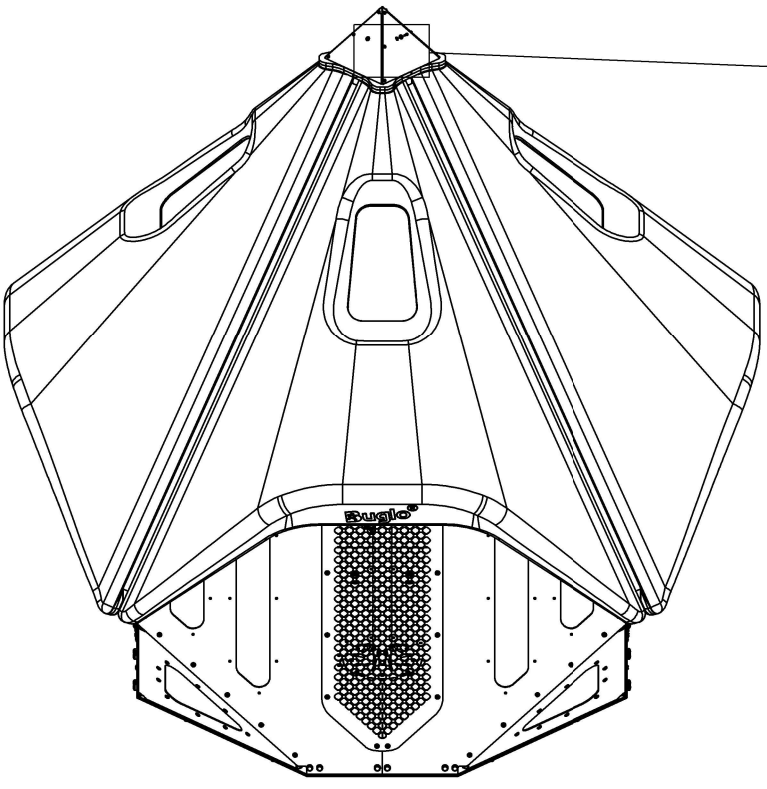
INST_14_37 6/7

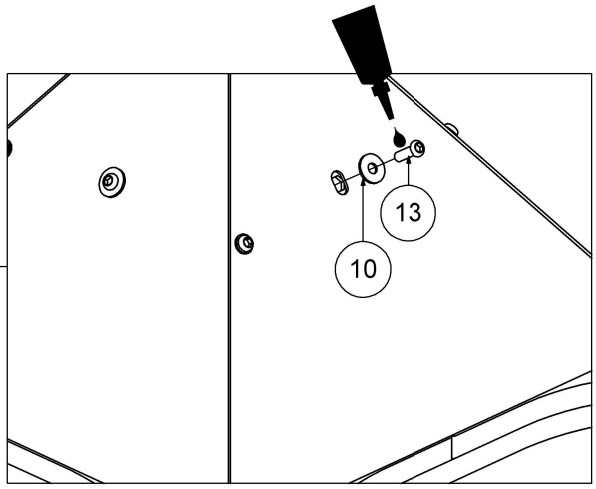
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9



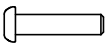
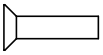


INST_14_38

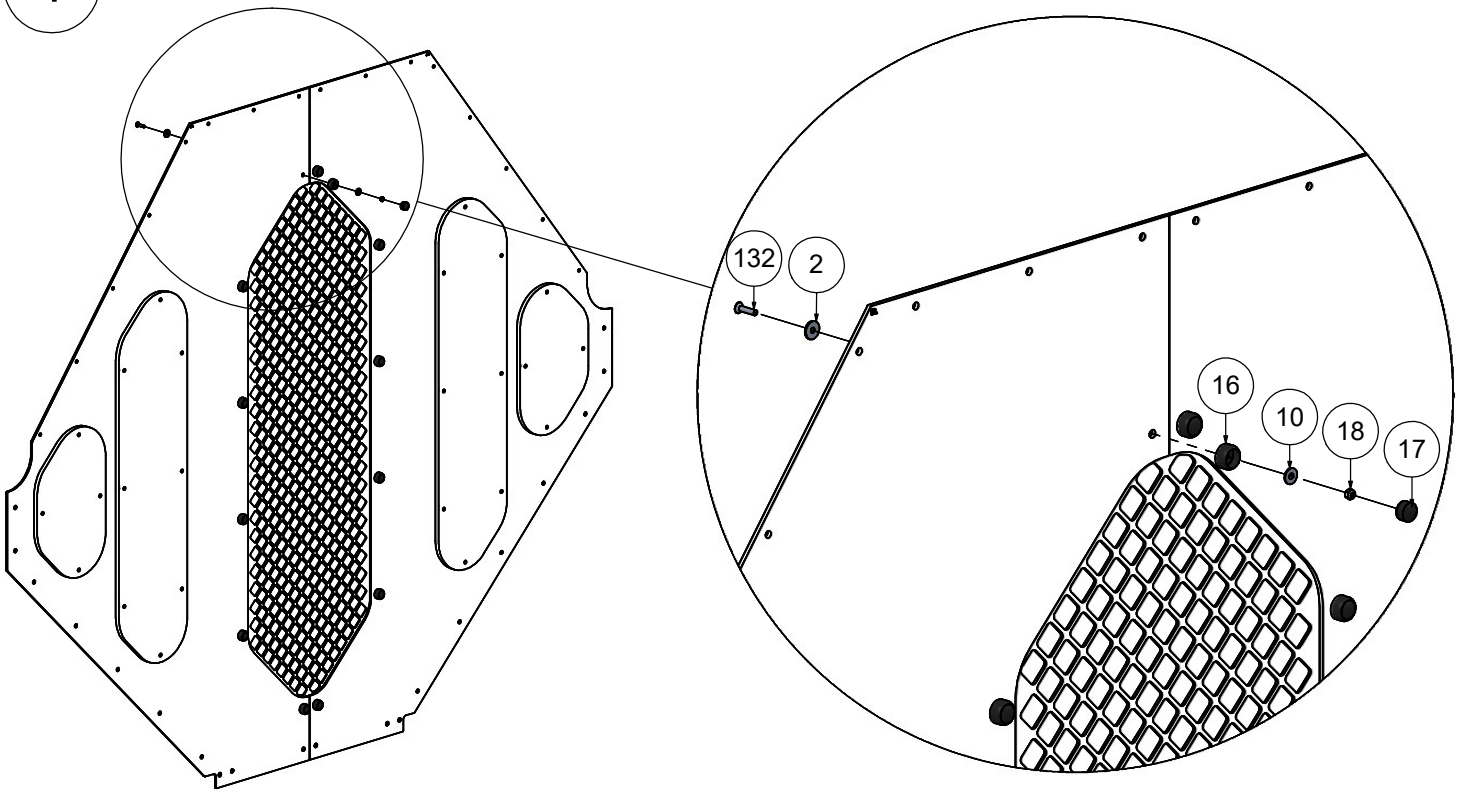




Nr. 4, 5 Nr. 10, 13

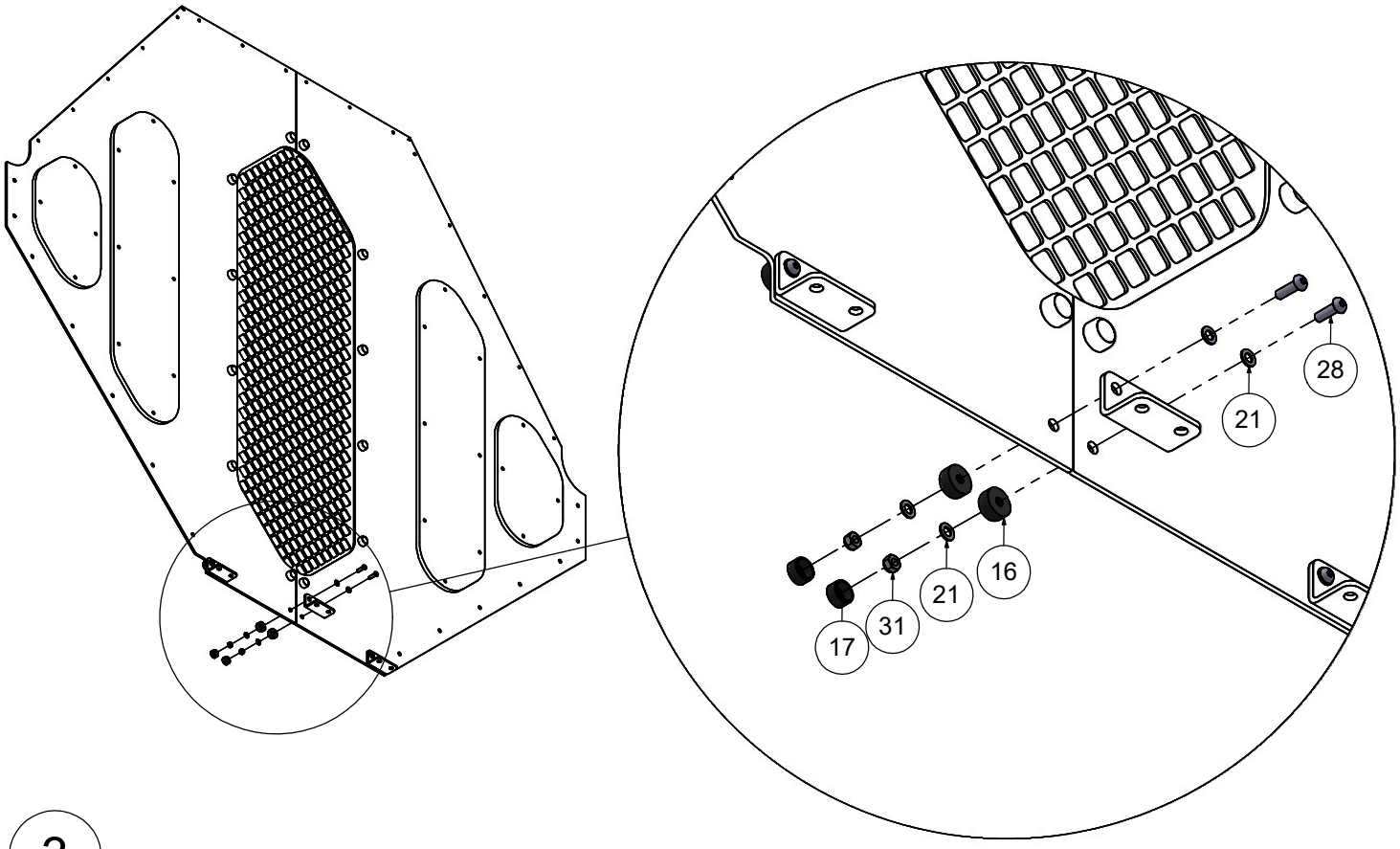
Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	28		-	K1_d21_B
17	28		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	32		DIN 125	8x16
28	10		ISO 7380	M8x25
31	16		DIN 985	M8 (OC)
45	6		ISO 7380	M8x30
132	12		DIN 7991	M6x25

1

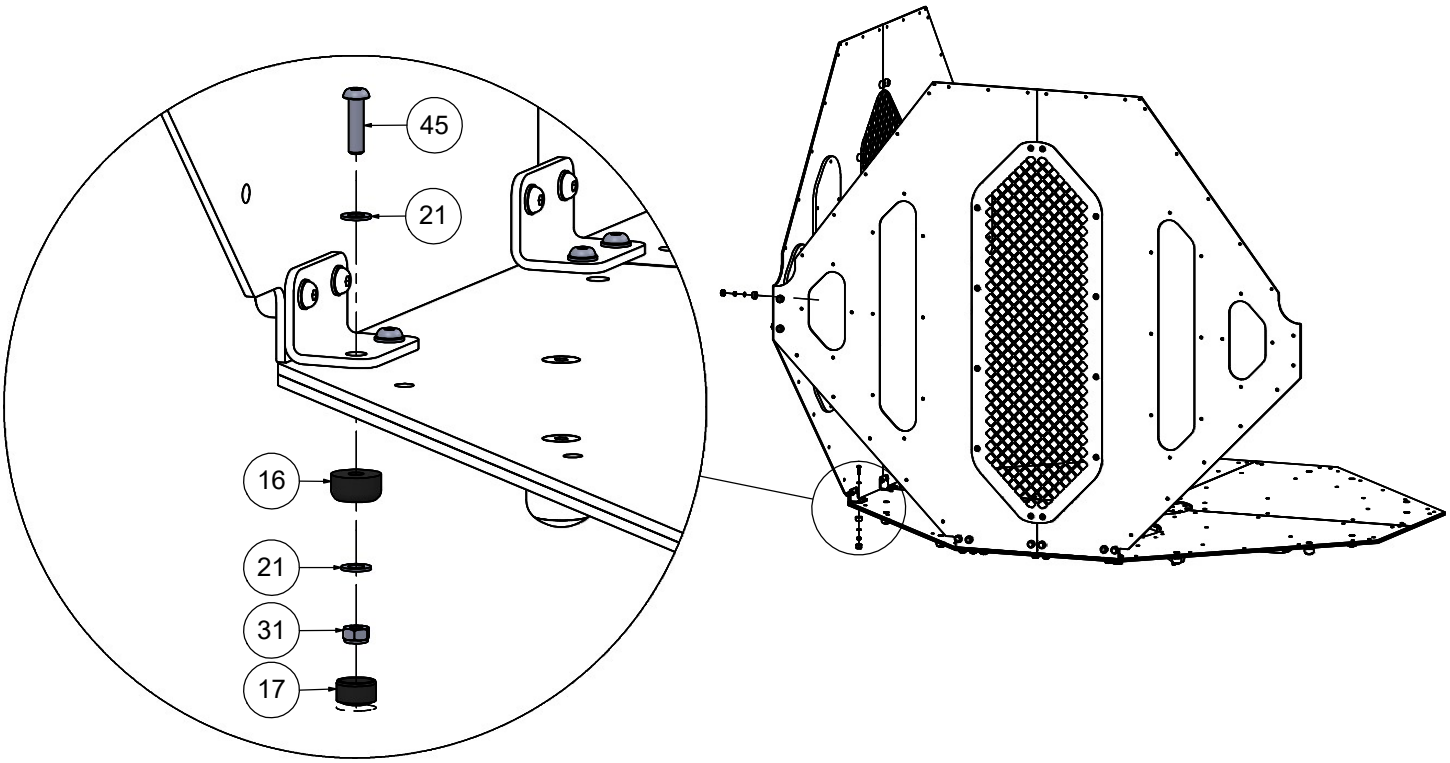


INST_14_38

2

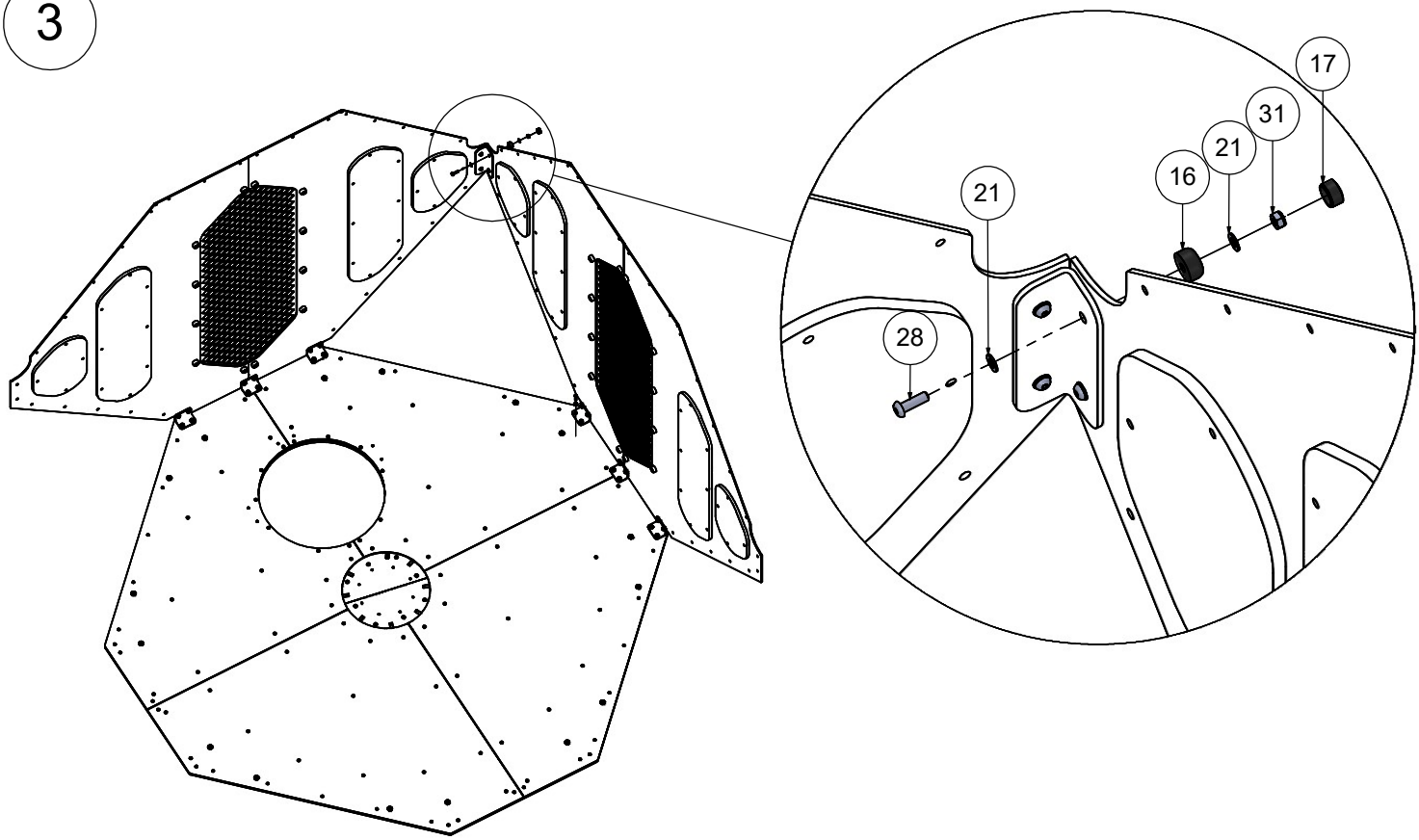


3



INST_14_38

3



INST_14_39A



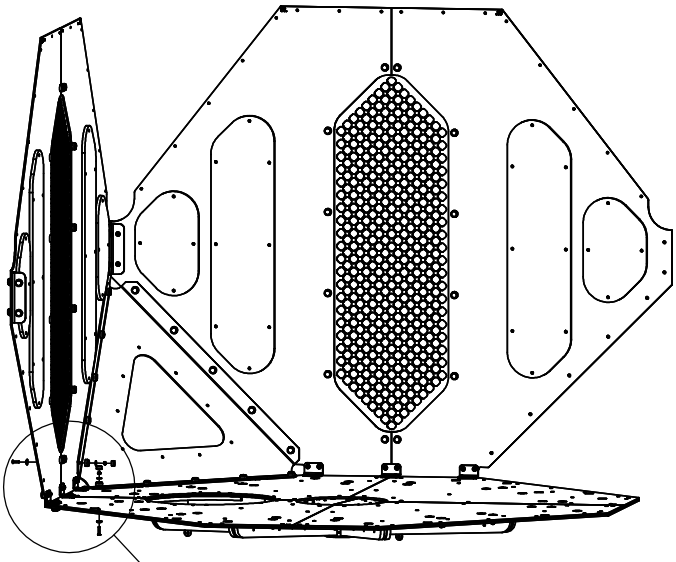
Nr. 4

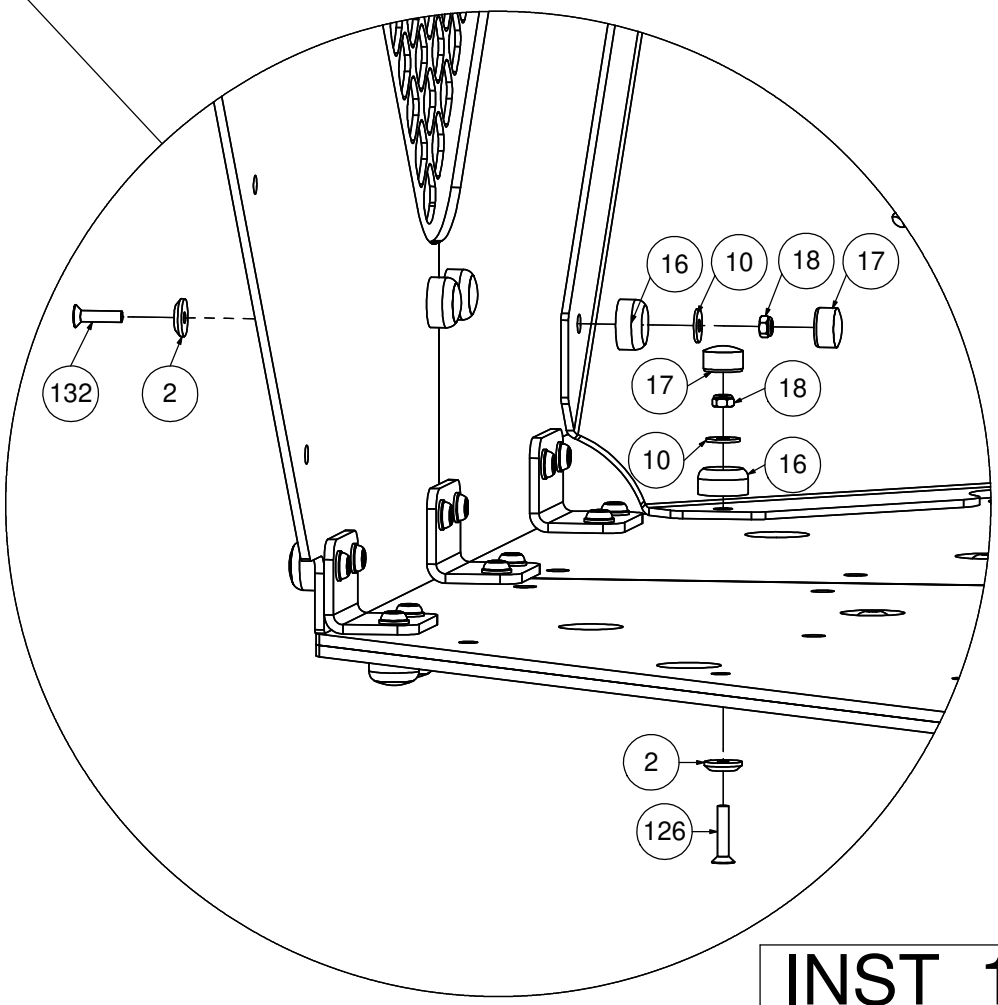


Nr. 10

Nr	Σ	Element		
2	15		-	W6x60
10	15		DIN 9021	6x18
16	15		-	K1_d21_B
17	15		-	Z1_d21_B
18	15		DIN 985	M6 (OC)
126	5		DIN 7991	M6x30
132	10		DIN 7991	M6x25

1





INST_14_39A 1/1

INST_14_39B



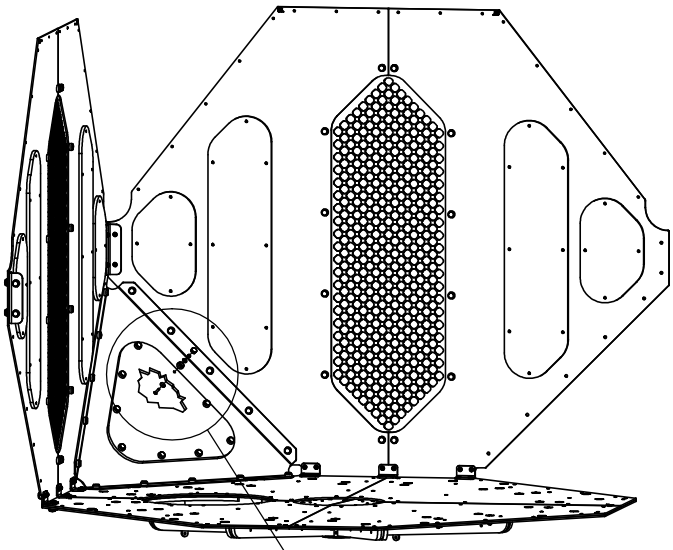
Nr. 4

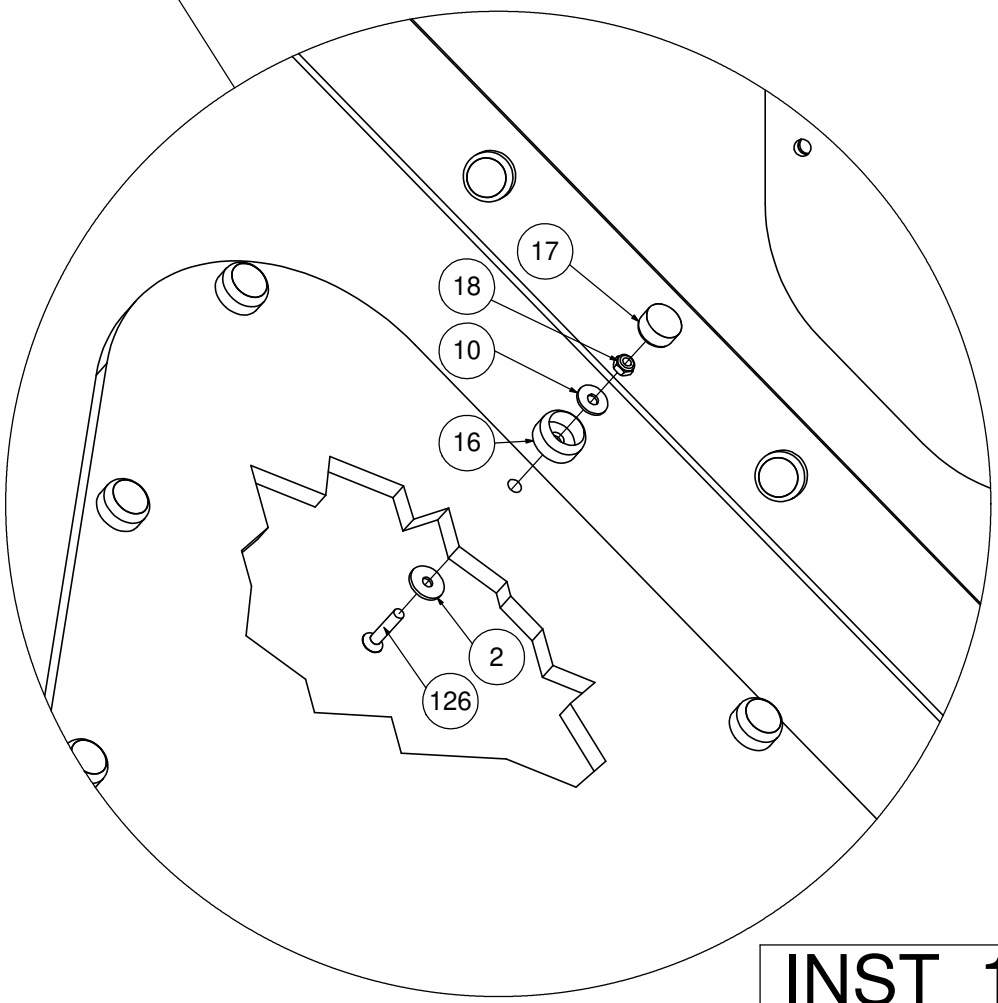


Nr. 10

Nr	Σ	Element		
2	9		-	W6x60
10	9		DIN 9021	6x18
16	9		-	K1_d21_B
17	9		-	Z1_d21_B
18	9		DIN 985	M6 (OC)
126	9		DIN 7991	M6x30

1





INST_14_39B 1/1

INST_14_39C

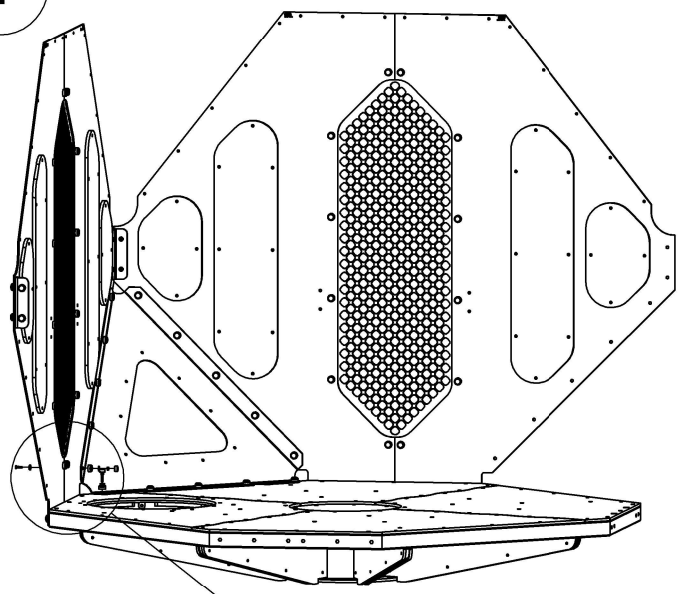


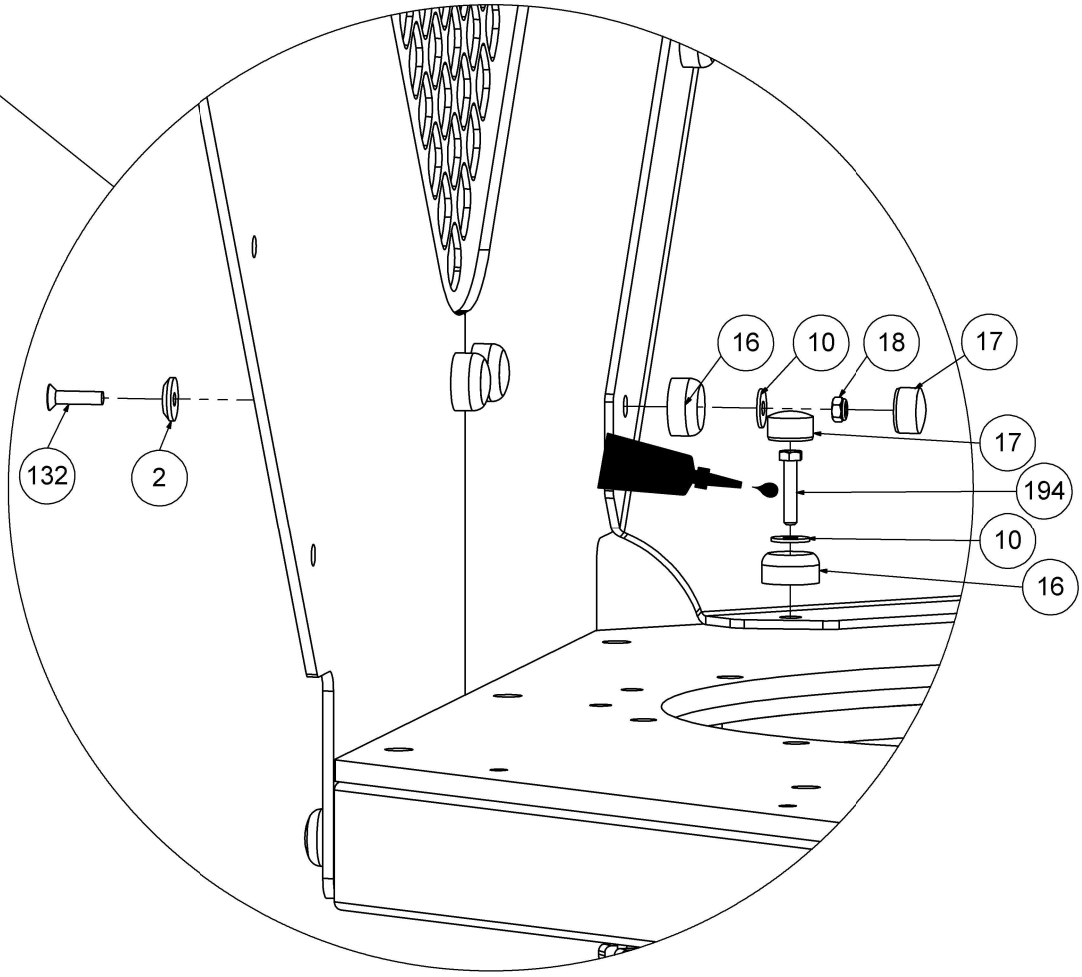
Nr. 4

Nr. 10

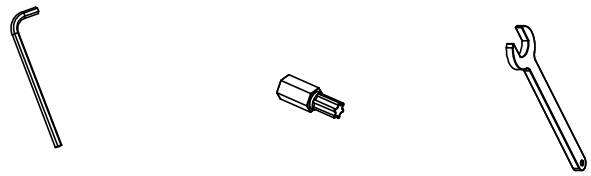
Nr	Σ	Element		
2	10		-	W6x60
10	15		DIN 9021	6x18
16	15		-	K1_d21_B
17	15		-	Z1_d21_B
18	10		DIN 985	M6 (OC)
132	10		DIN 7991	M6x25
194	5		DIN 933	M6x30 (OC)

1

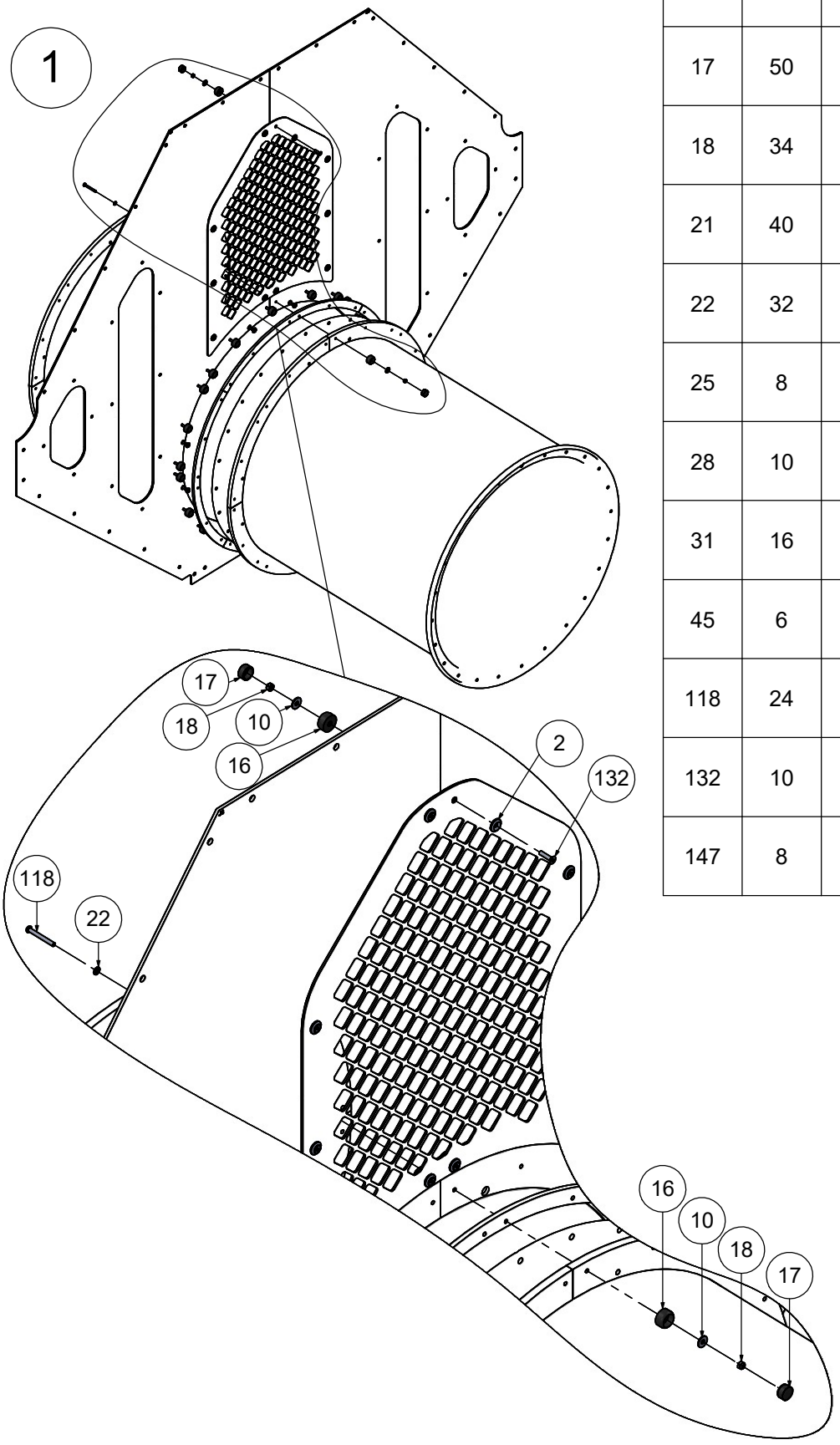




INST_14_40



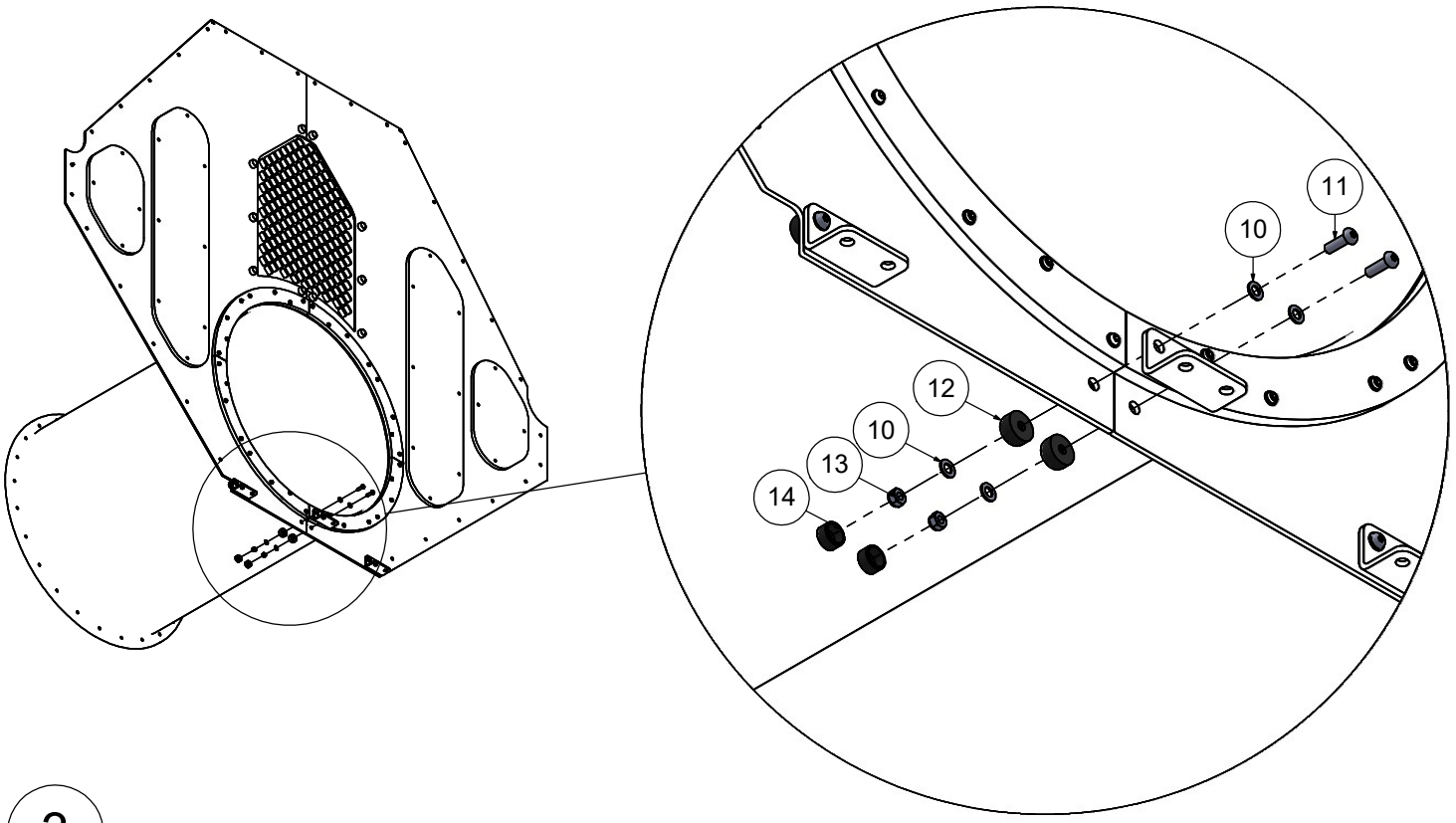
Nr. 4, 5 Nr. T30 Nr. 10, 13



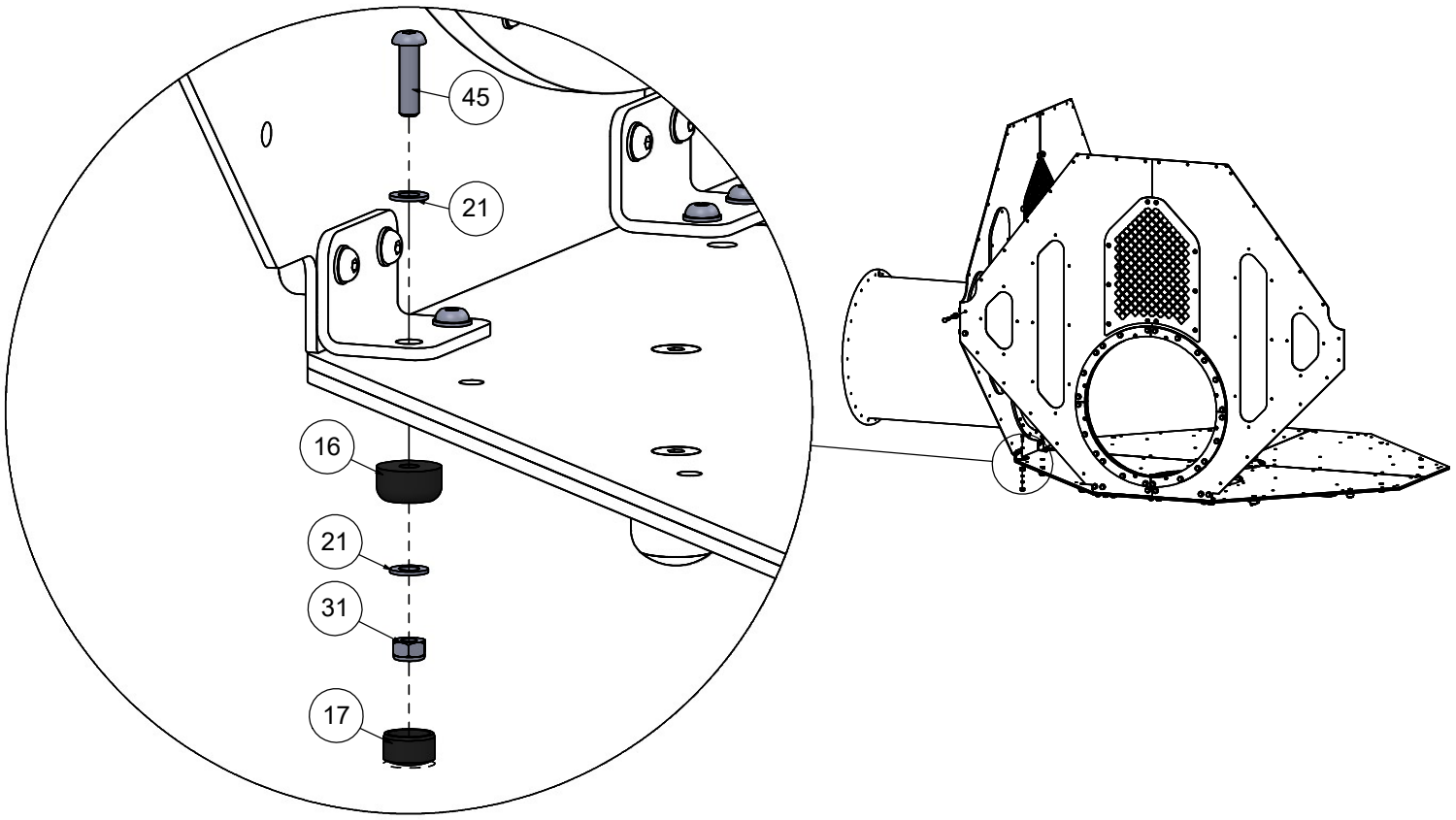
Nr	Σ	Element		
2	10		-	W6x60
10	34		DIN 9021	6x18
16	50		-	K1_d21_B
17	50		-	Z1_d21_B
18	34		DIN 985	M6 (OC)
21	40		DIN 125	8x16
22	32		DIN 125	6x12
25	8		ISO 7380	M6x35
28	10		ISO 7380	M8x25
31	16		DIN 985	M8 (OC)
45	6		ISO 7380	M8x30
118	24		ISO 7380	M6x50
132	10		DIN 7991	M6x25
147	8		-	M6x10

INST_14_40

2

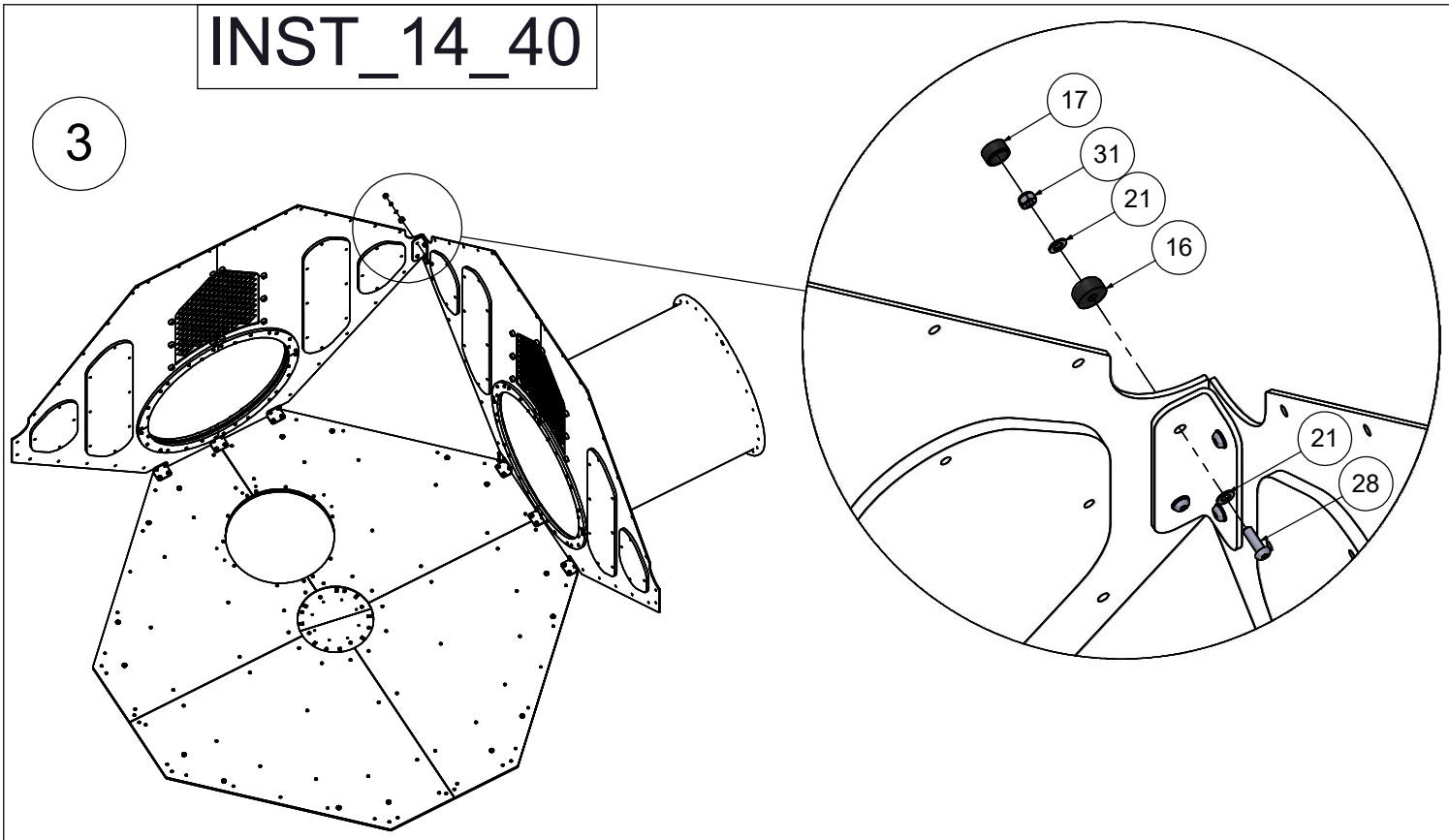


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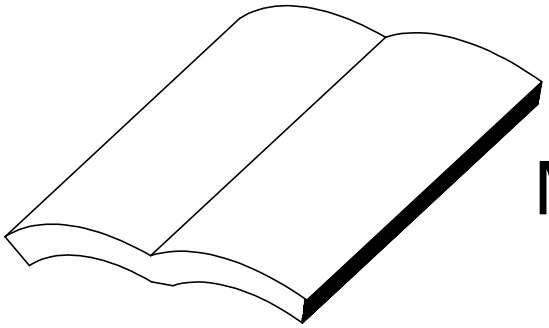


INST_14_40

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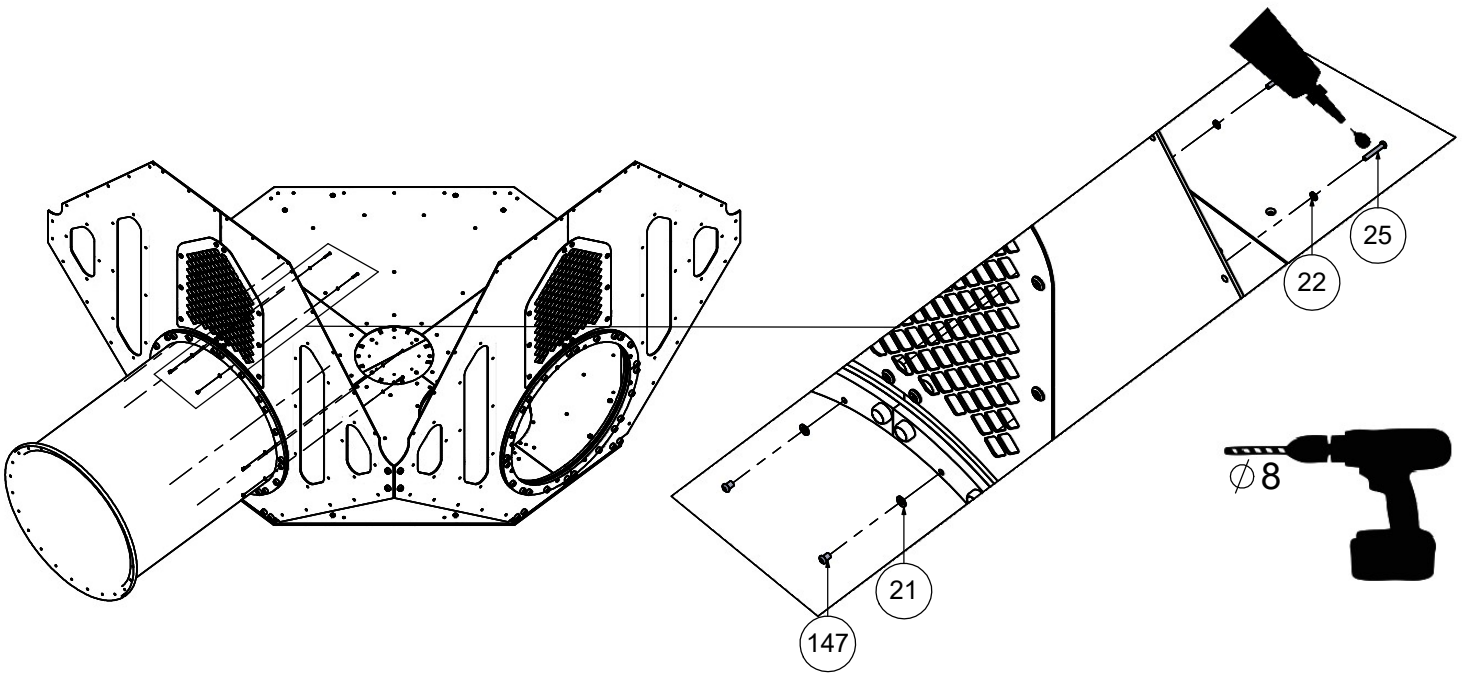


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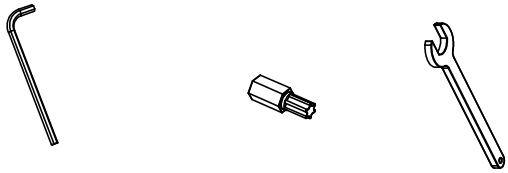


MTS....

5



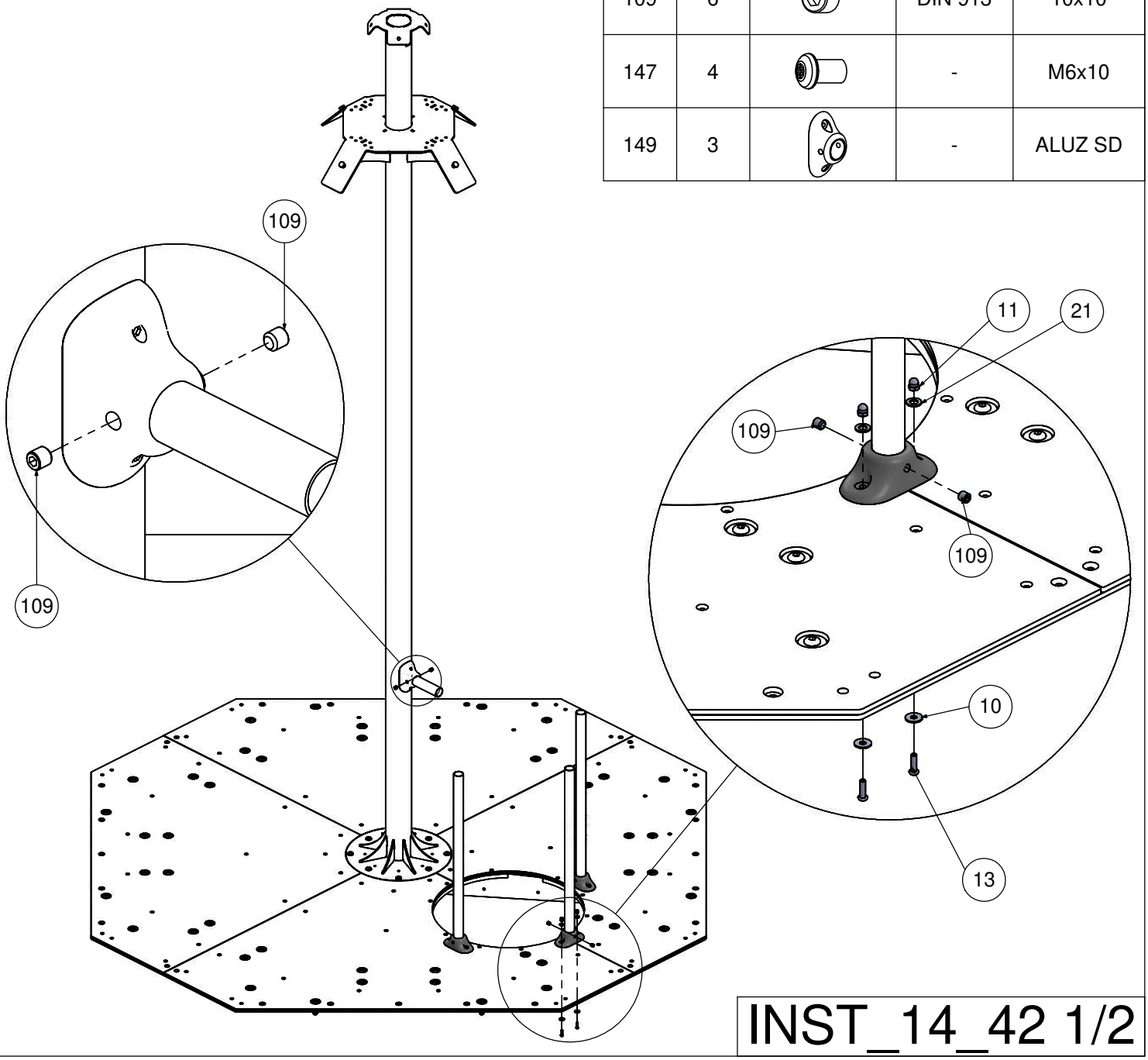
INST_14_42



Nr. 4, 5 Nr. T30 Nr. 13

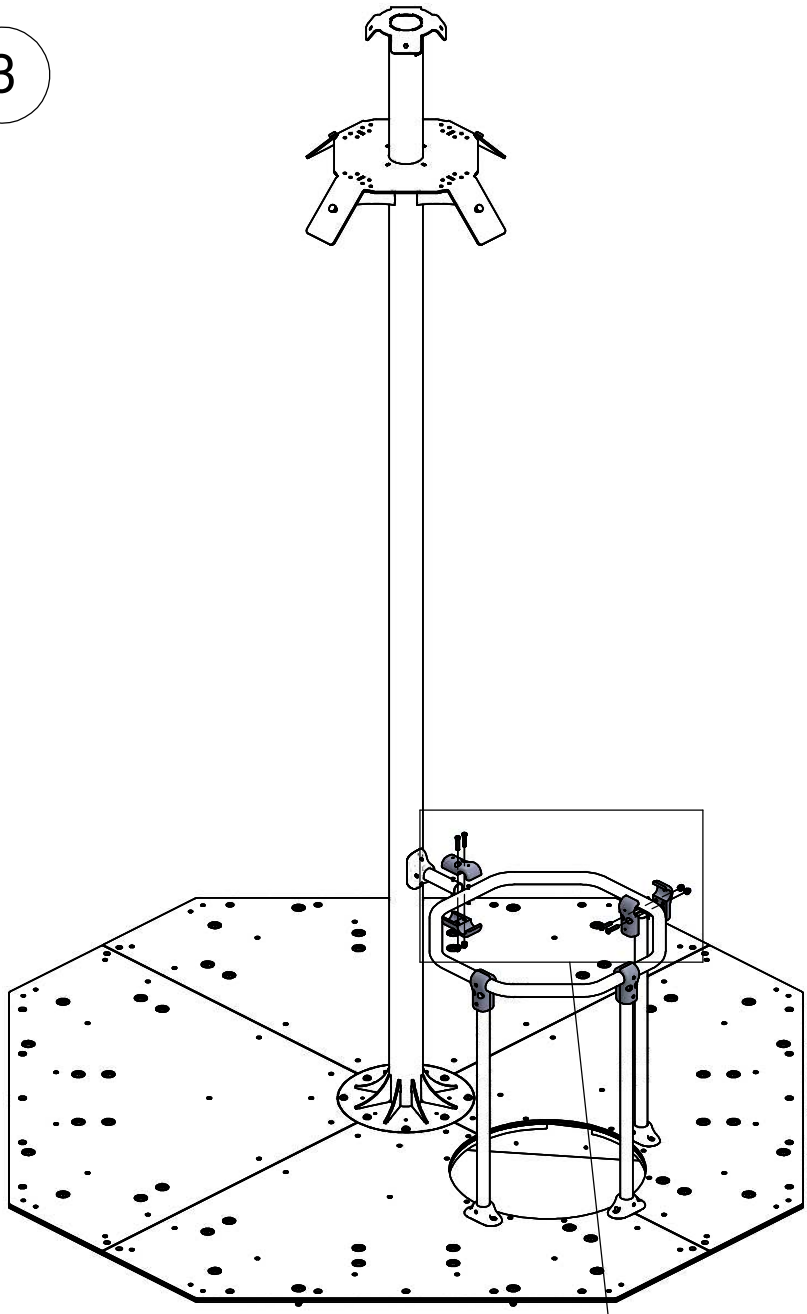
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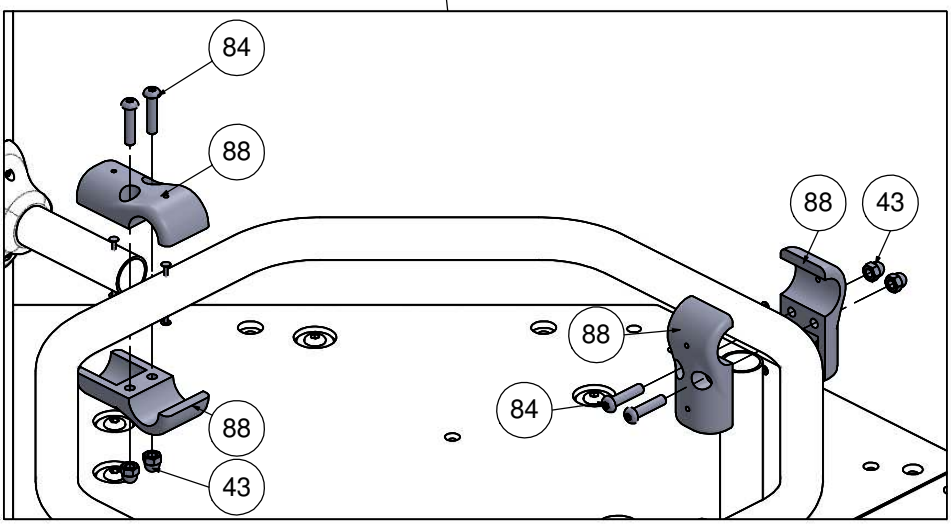
Nr	Σ	Element		
10	2		DIN 9021	6x18
11	2		DIN 1587	M6
13	6		ISO 7380	M6x20
21	10		DIN 125	8x16
43	8		DIN 1587	M8
84	8		ISO 7380	M8x35
88	4		-	ALUZ RR
109	6		DIN 913	10x10
147	4		-	M6x10
149	3		-	ALUZ SD



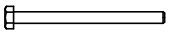
INST_14_42

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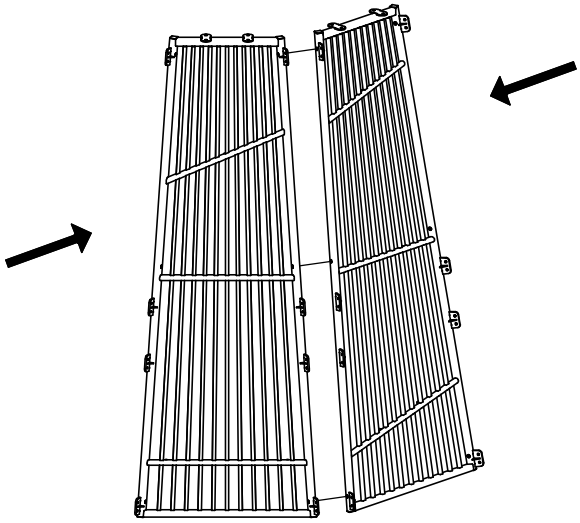




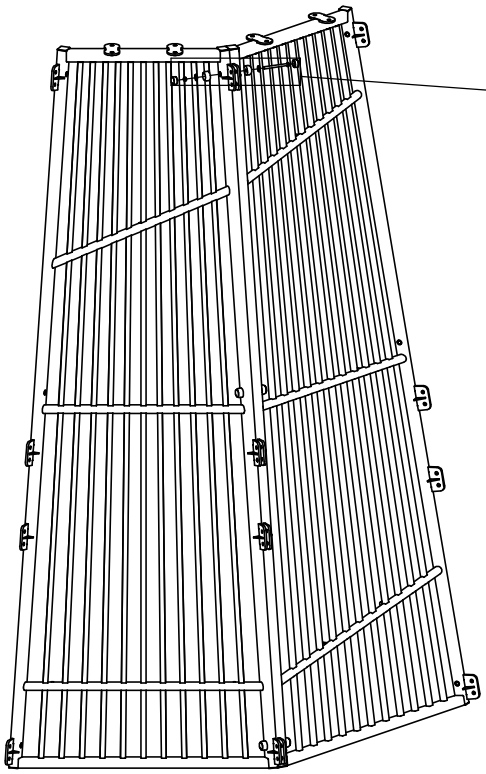
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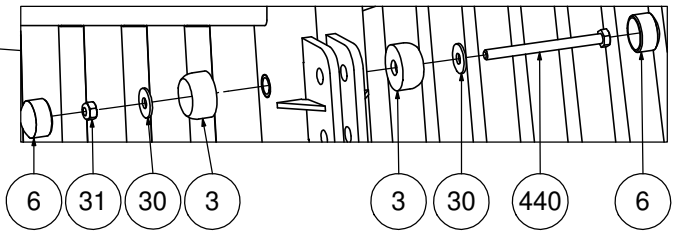
Nr	Σ	Element		
3	6		-	K2_d30_B
6	6		-	Z2_d30_B
30	6		DIN 9021	8x24
31	3		DIN 985	M8 (OC)
440	3		DIN 931	M8x100

1



2





INST_14_44

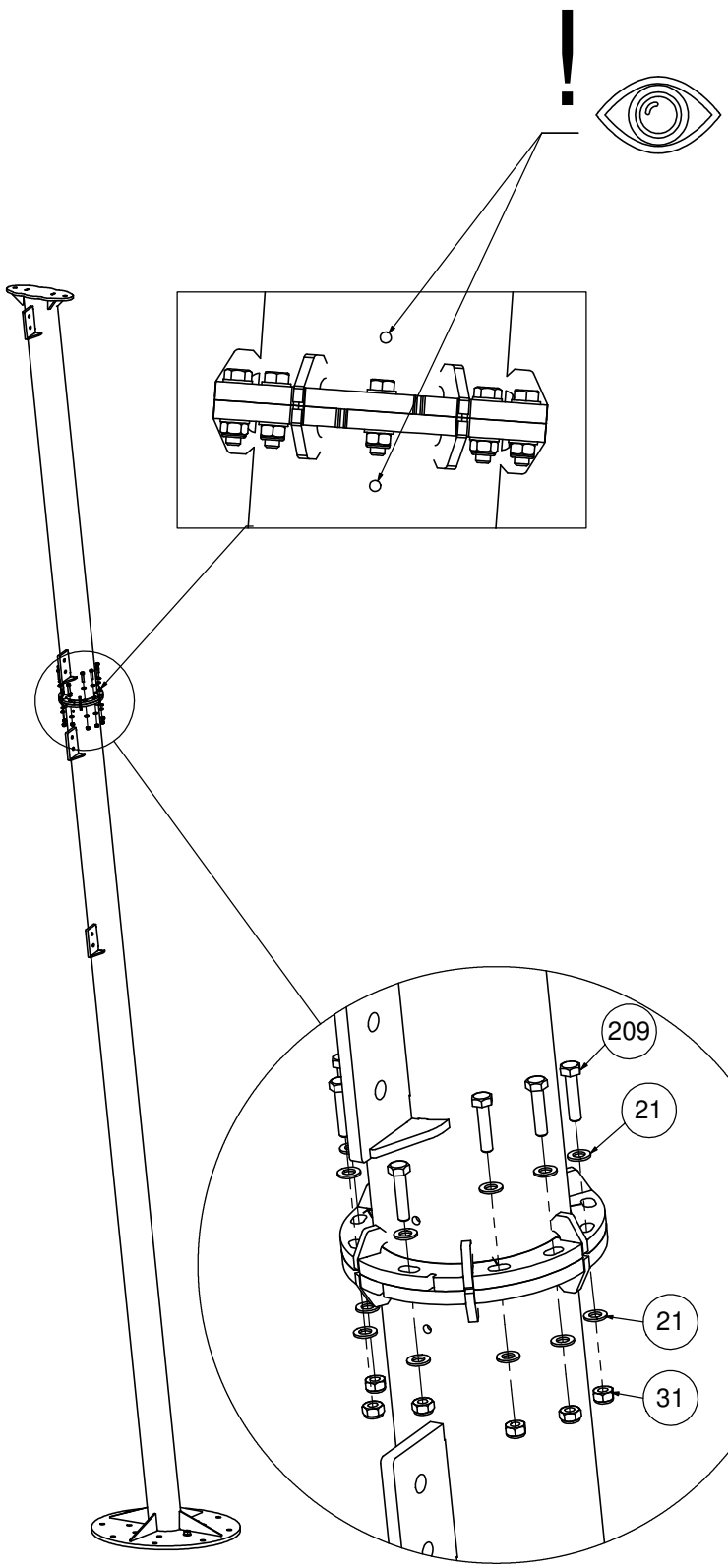


Nr. 4, 6



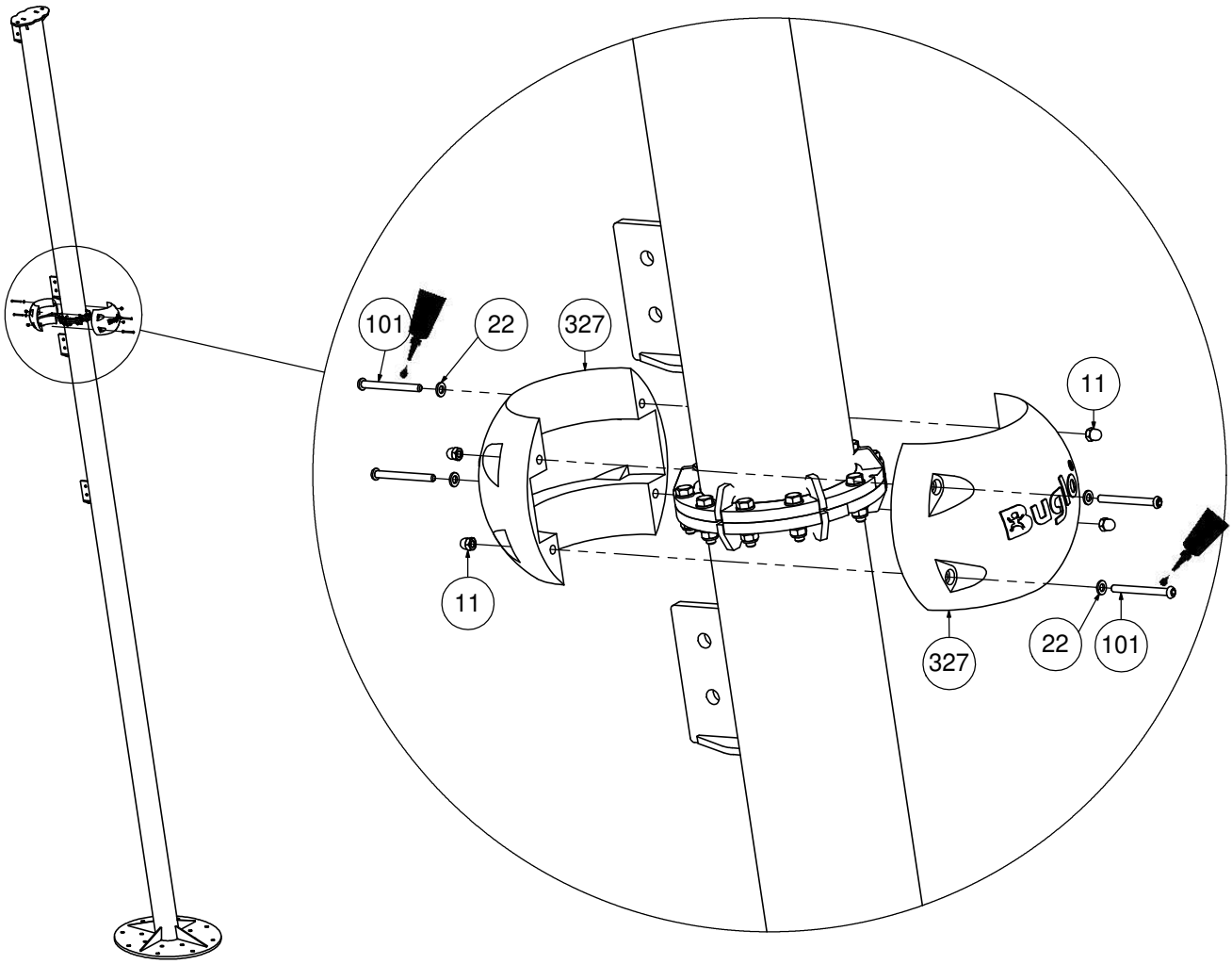
Nr. 10, 13, 17, 24

1

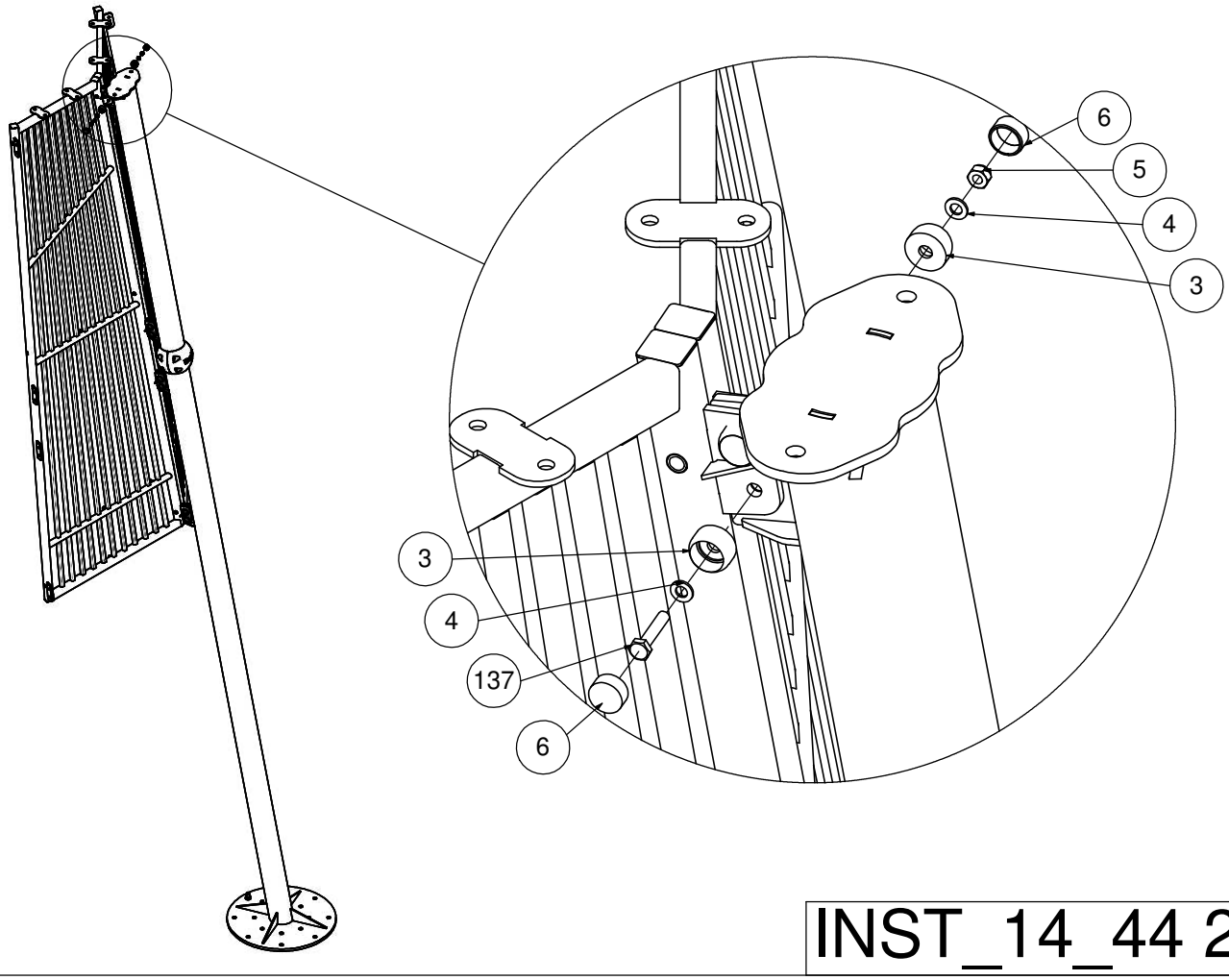


Nr	Σ	Element		
3	16		-	K2_d30_B
4	16		DIN 125	10x20
5	8		DIN 985	M10
6	16		-	Z2_d30_B
11	4		DIN 1587	M6
21	20		DIN 125	8x16
22	4		DIN 125	6x12
31	10		DIN 985	M8 (OC)
58	1		-	LOCTITE
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
101	4		ISO 7380	M6x60
137	8		DIN 931	M10x50
209	10		DIN 933	M8x35
327	2		-	MLR133
526	-		-	KCH
531	16	25cm	-	S4_1400_82

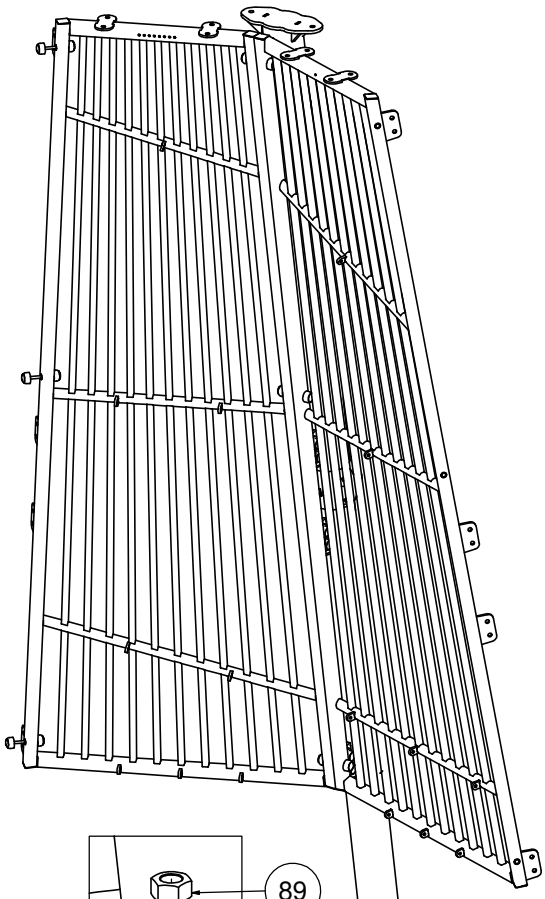
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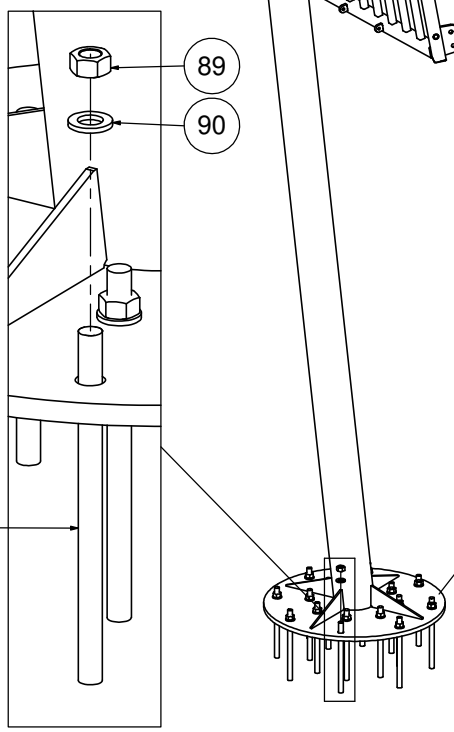


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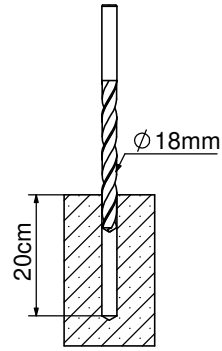


INST_14_44

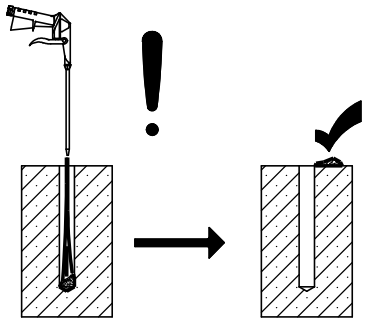




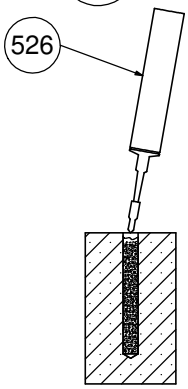
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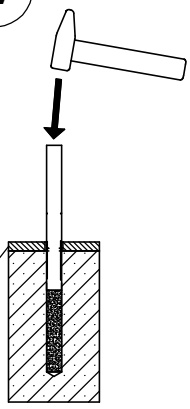
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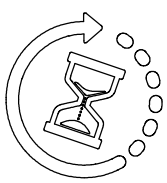
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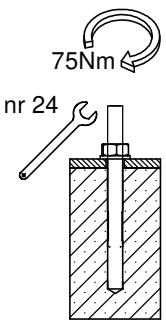
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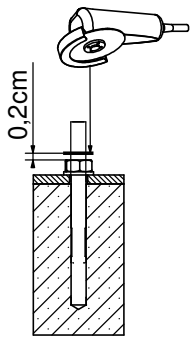
V



VI



VII

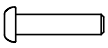
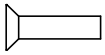


INST_14_47

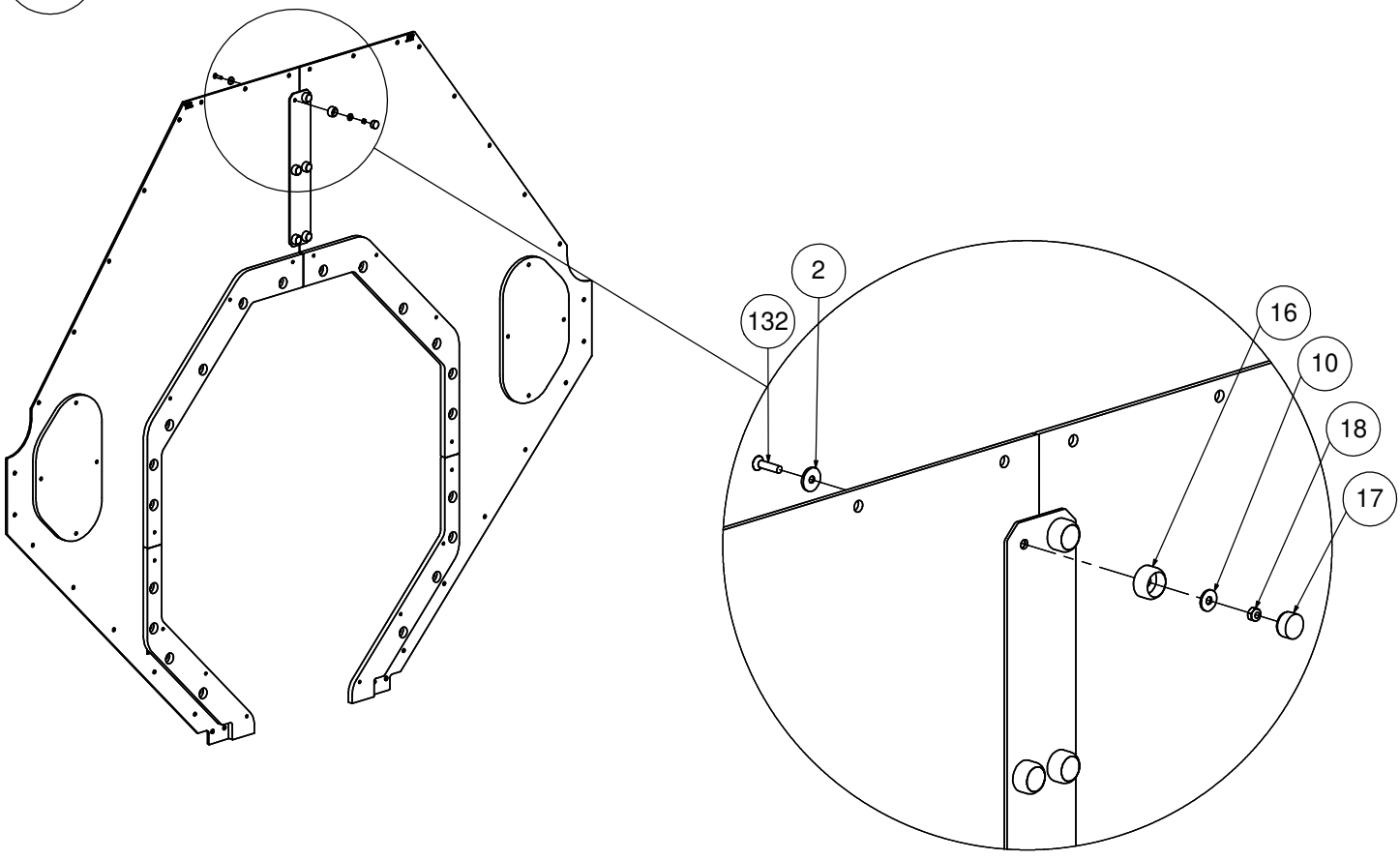




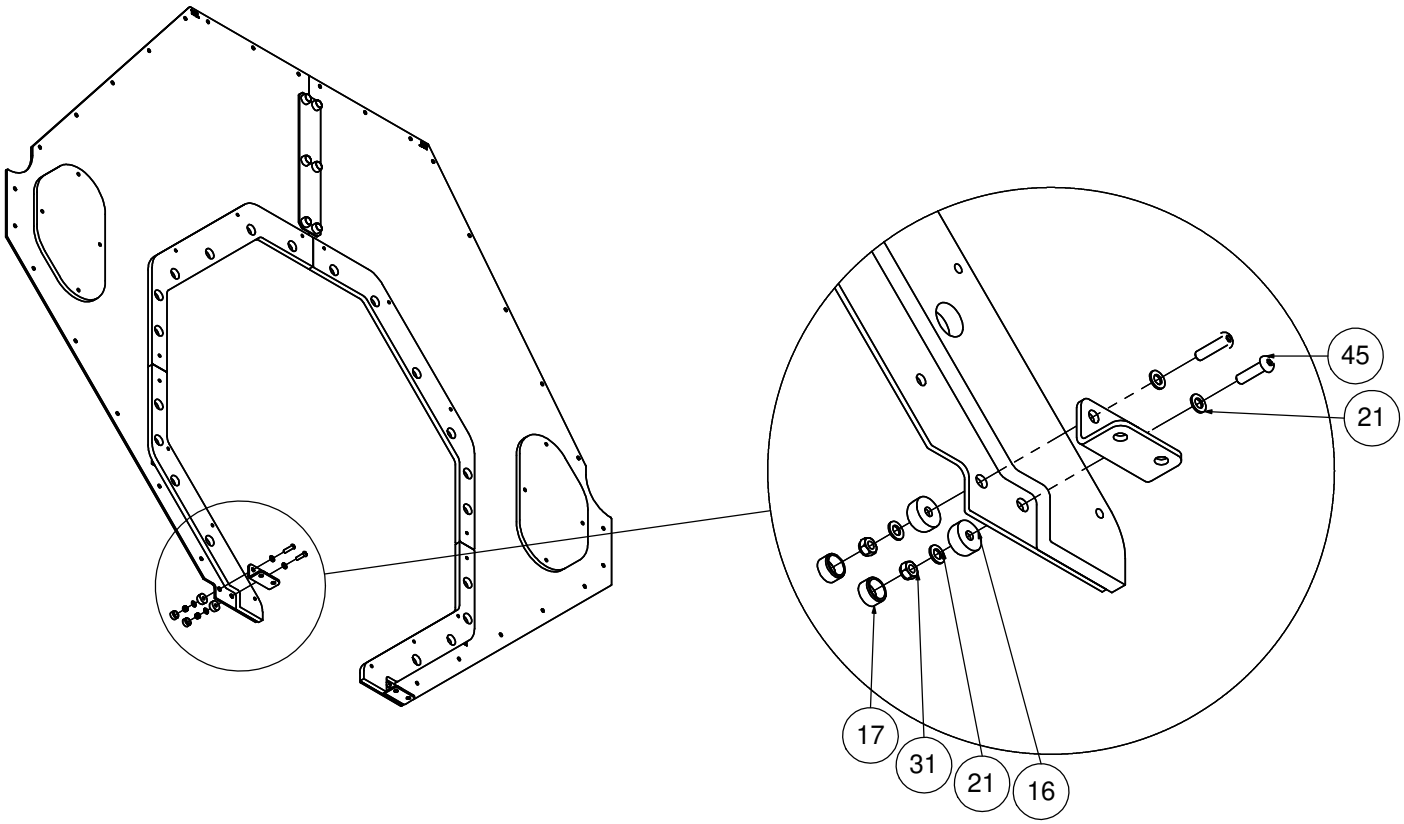
Nr. 4, 5 Nr. 10, 13

Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	18		-	K1_d21_B
17	18		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	24		DIN 125	8x16
28	4		ISO 7380	M8x25
31	12		DIN 985	M8 (OC)
45	8		ISO 7380	M8x30
132	6		DIN 7991	M6x25

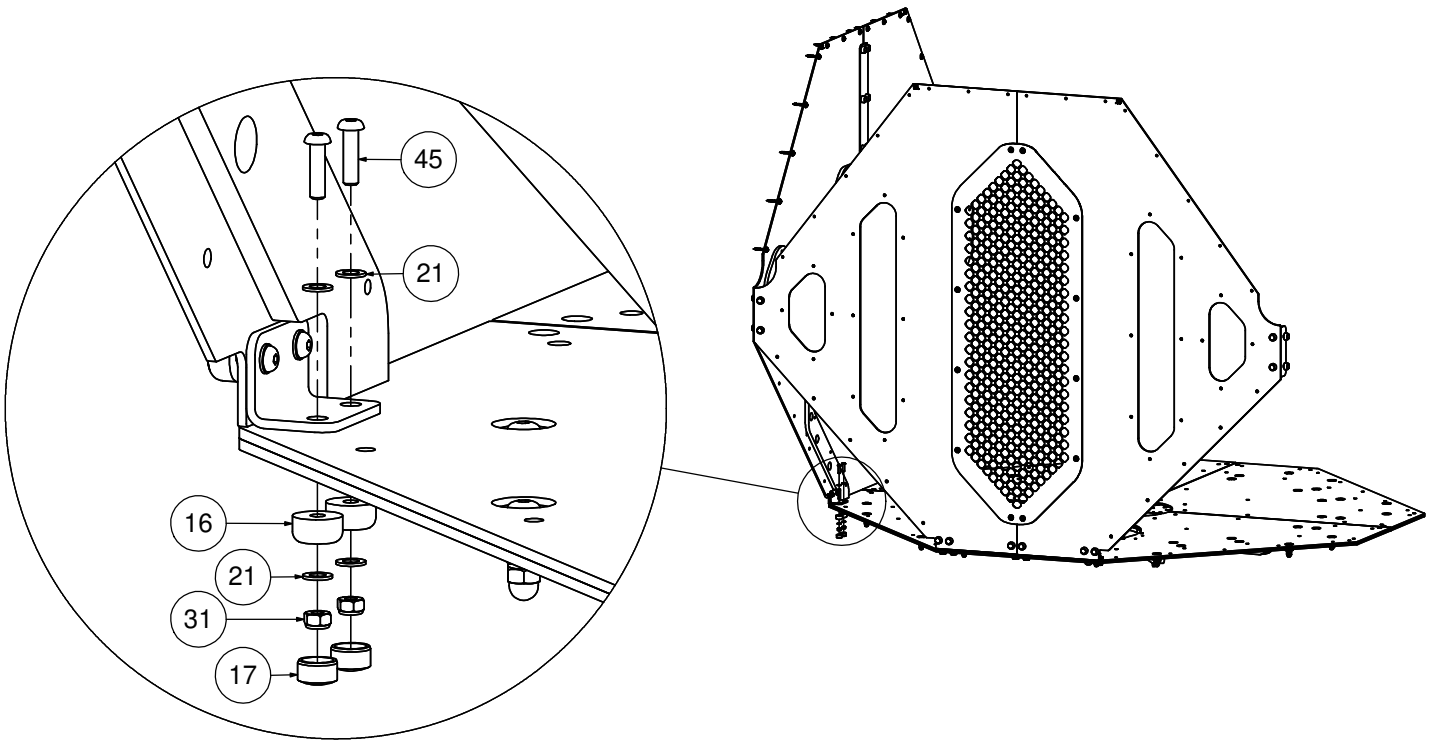
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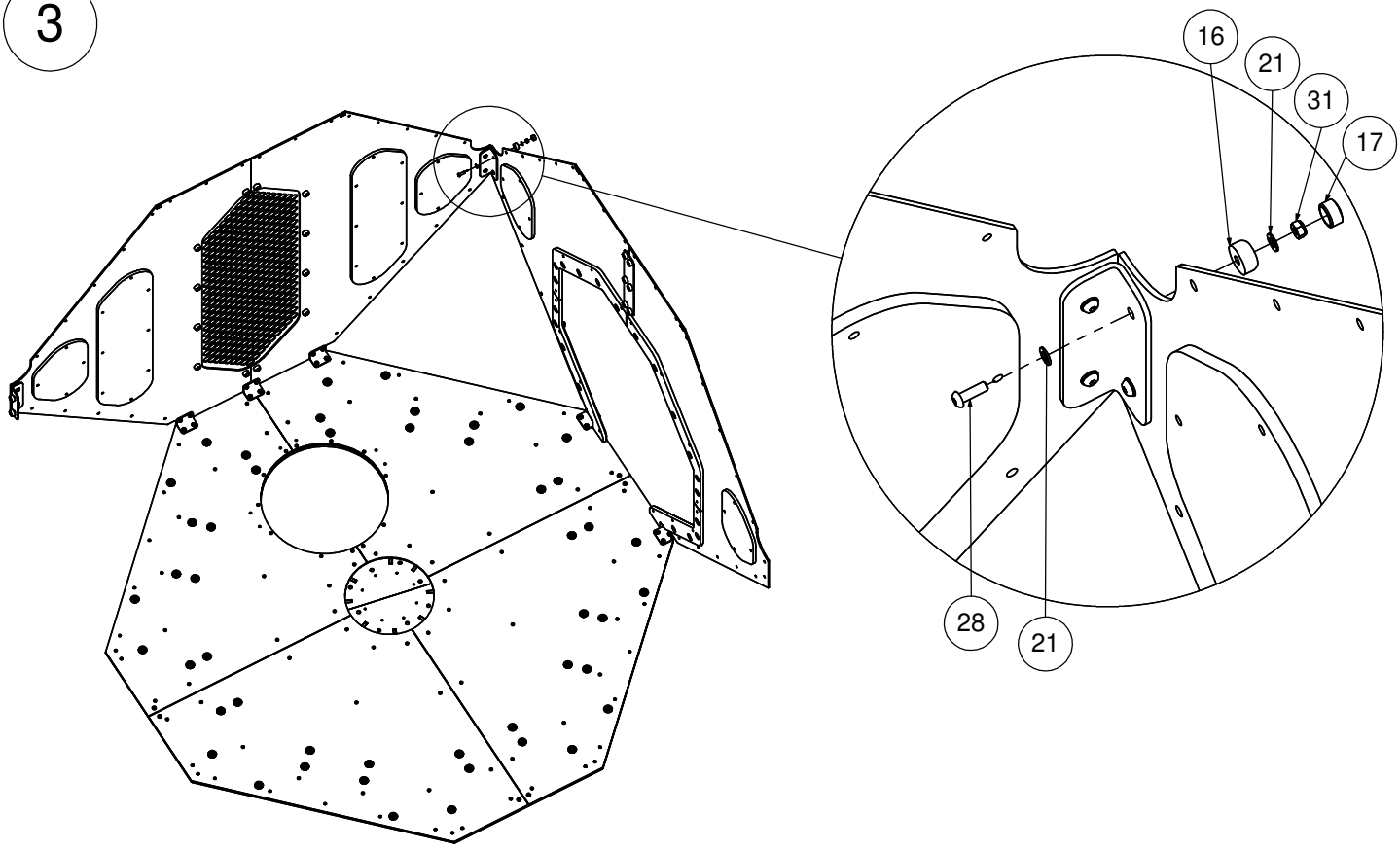
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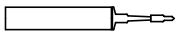
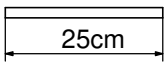
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3

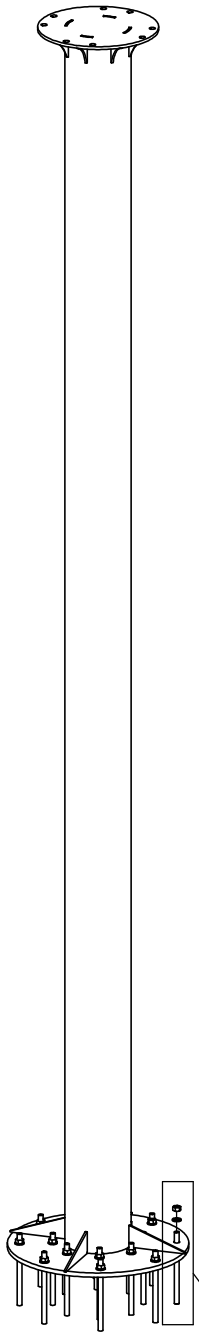


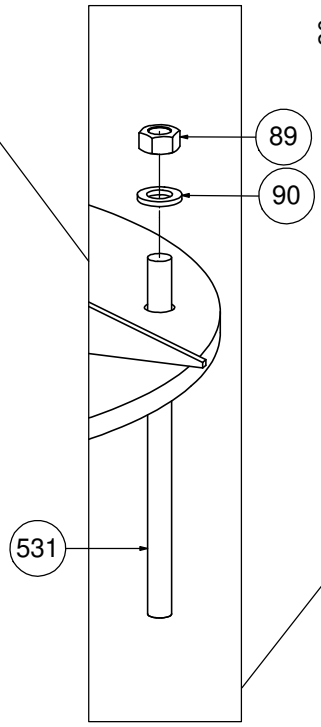
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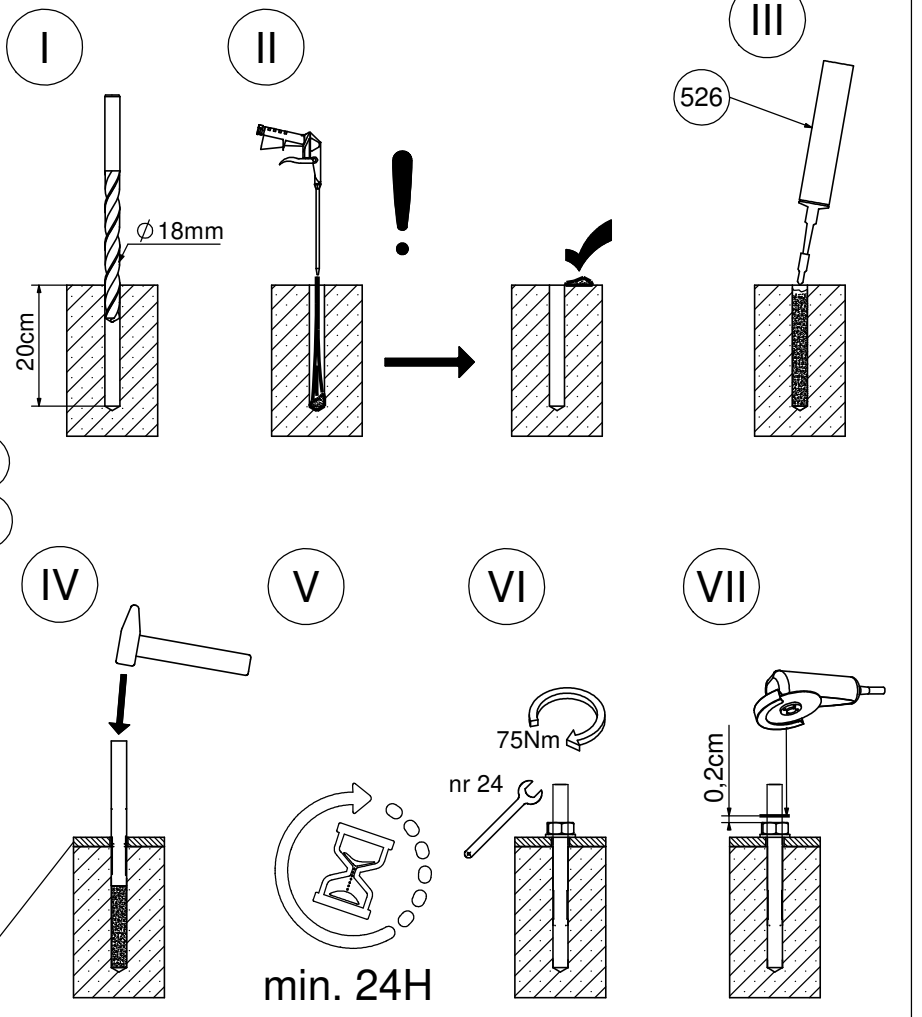
Nr	Σ	Element	DIN	ELEMENT
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
526	-		-	KCH
531	16		-	S4_1400_82



Nr. 24







INST_14_48 1/1

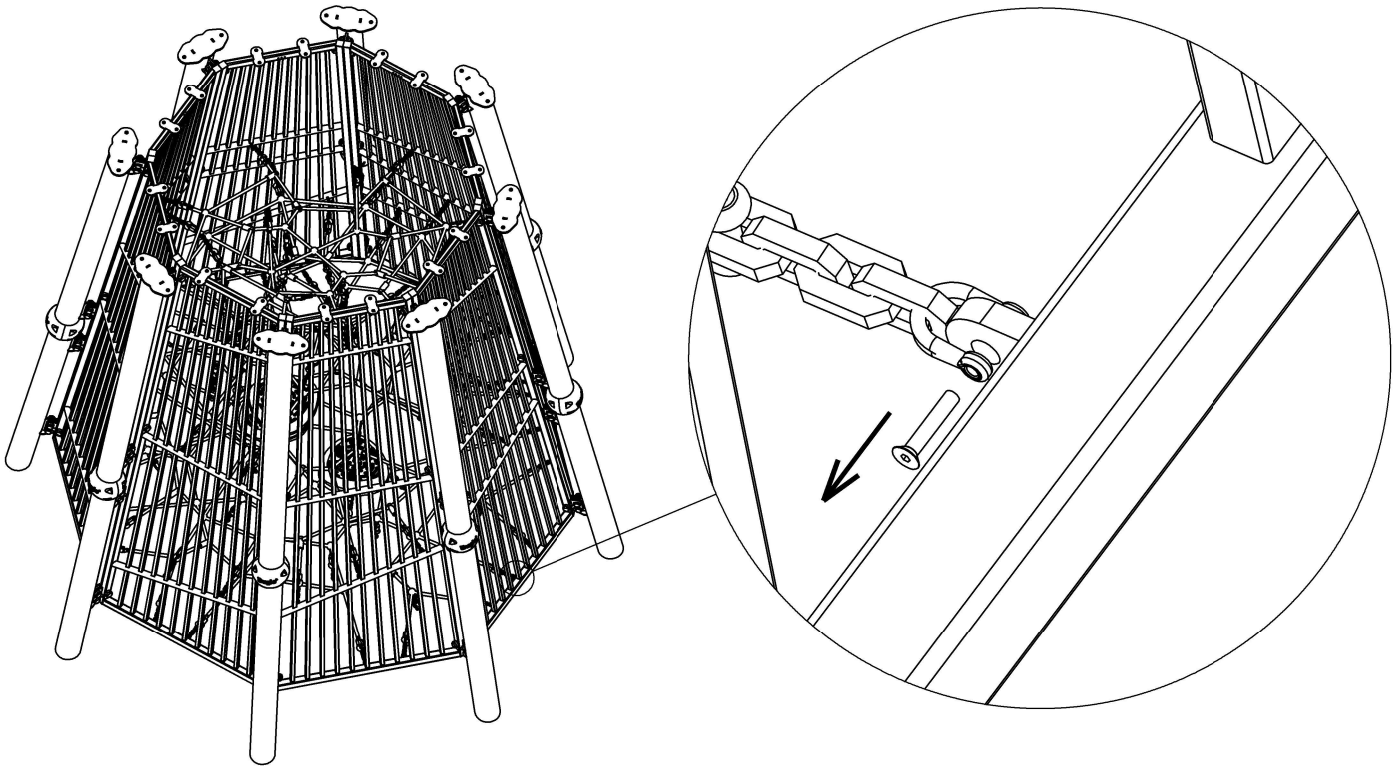
INST_14_65



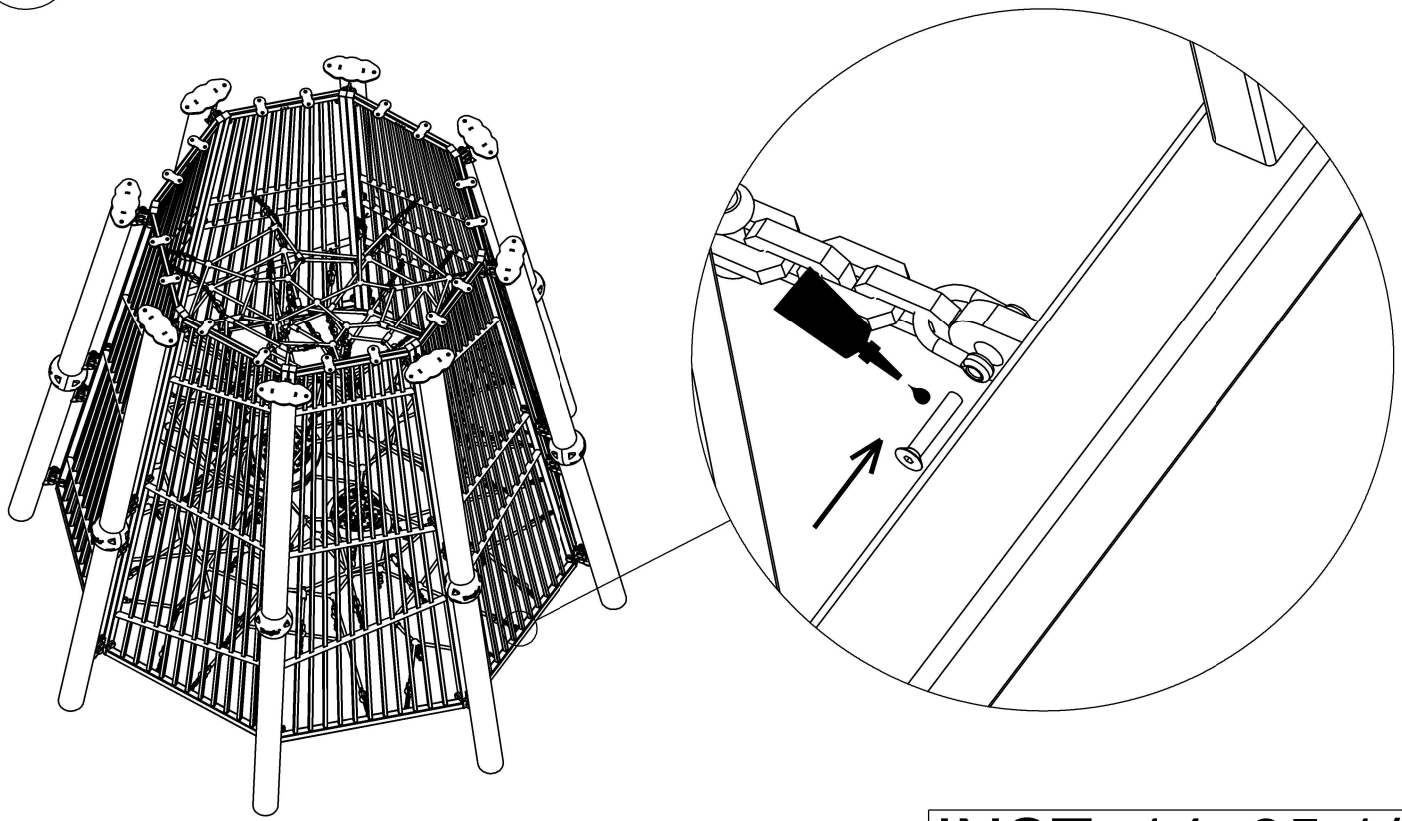
Nr. 3

Nr	Σ	Element		
58	1		-	LOCTITE
61	42		-	KL105 (OC)

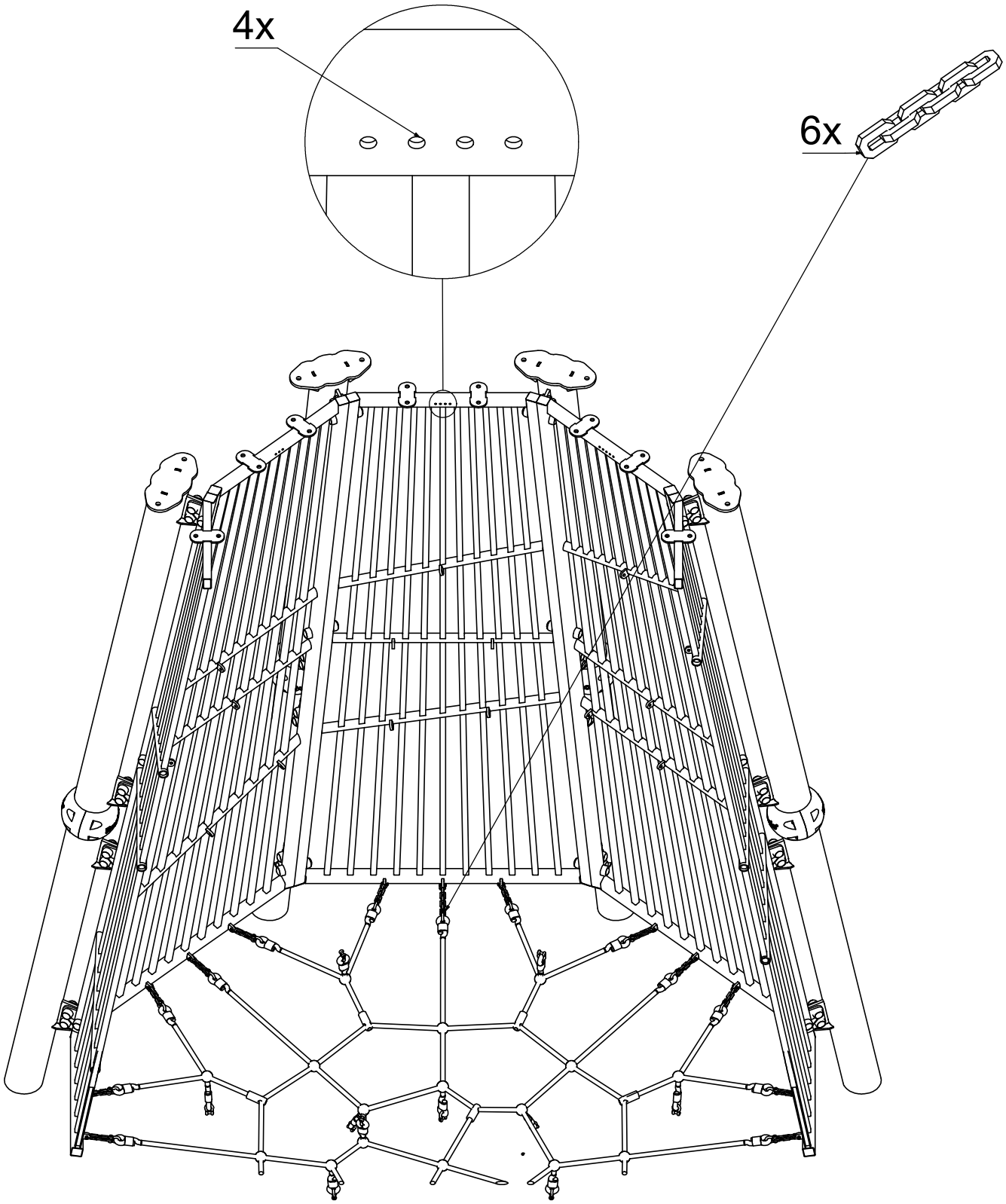
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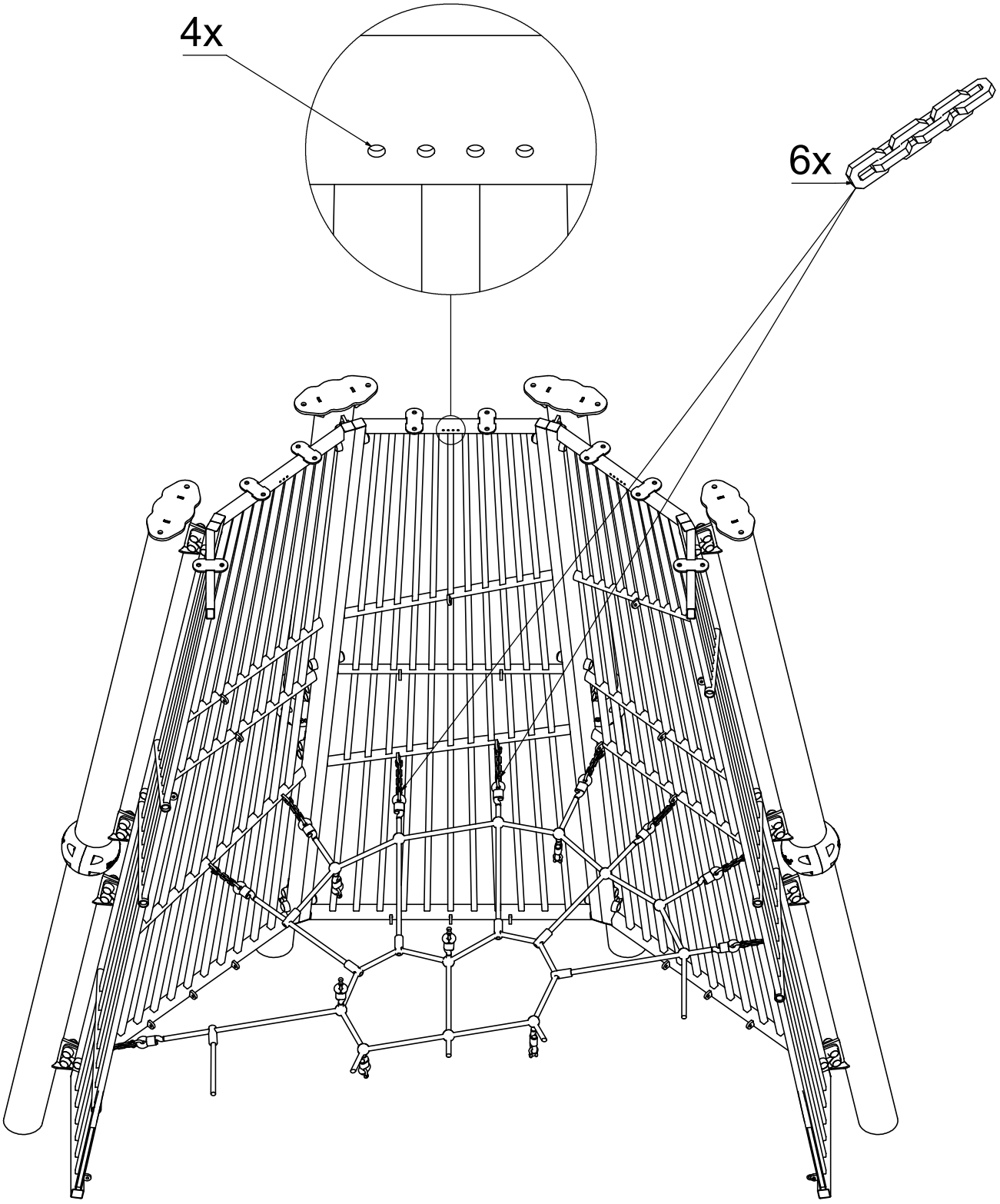
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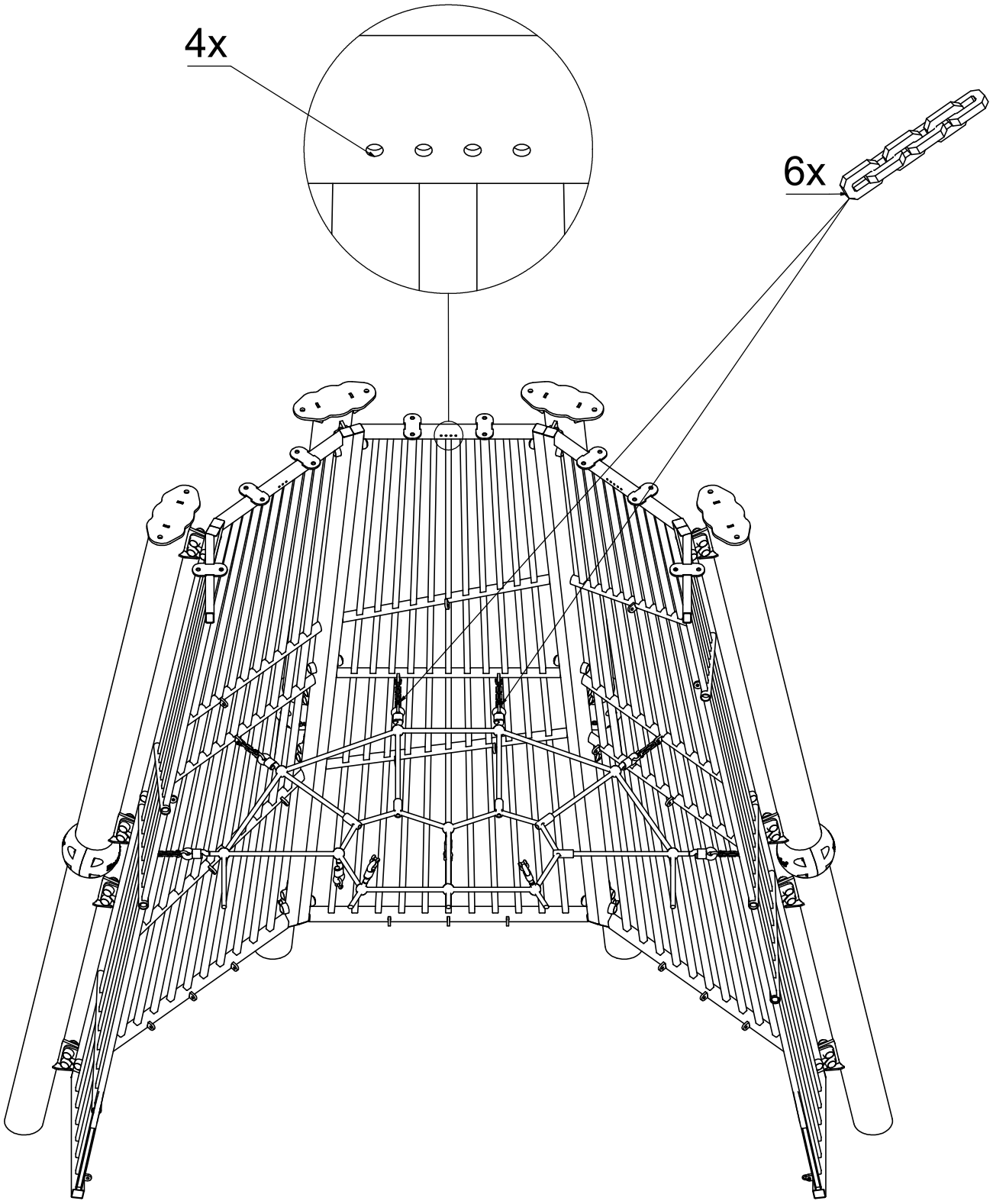
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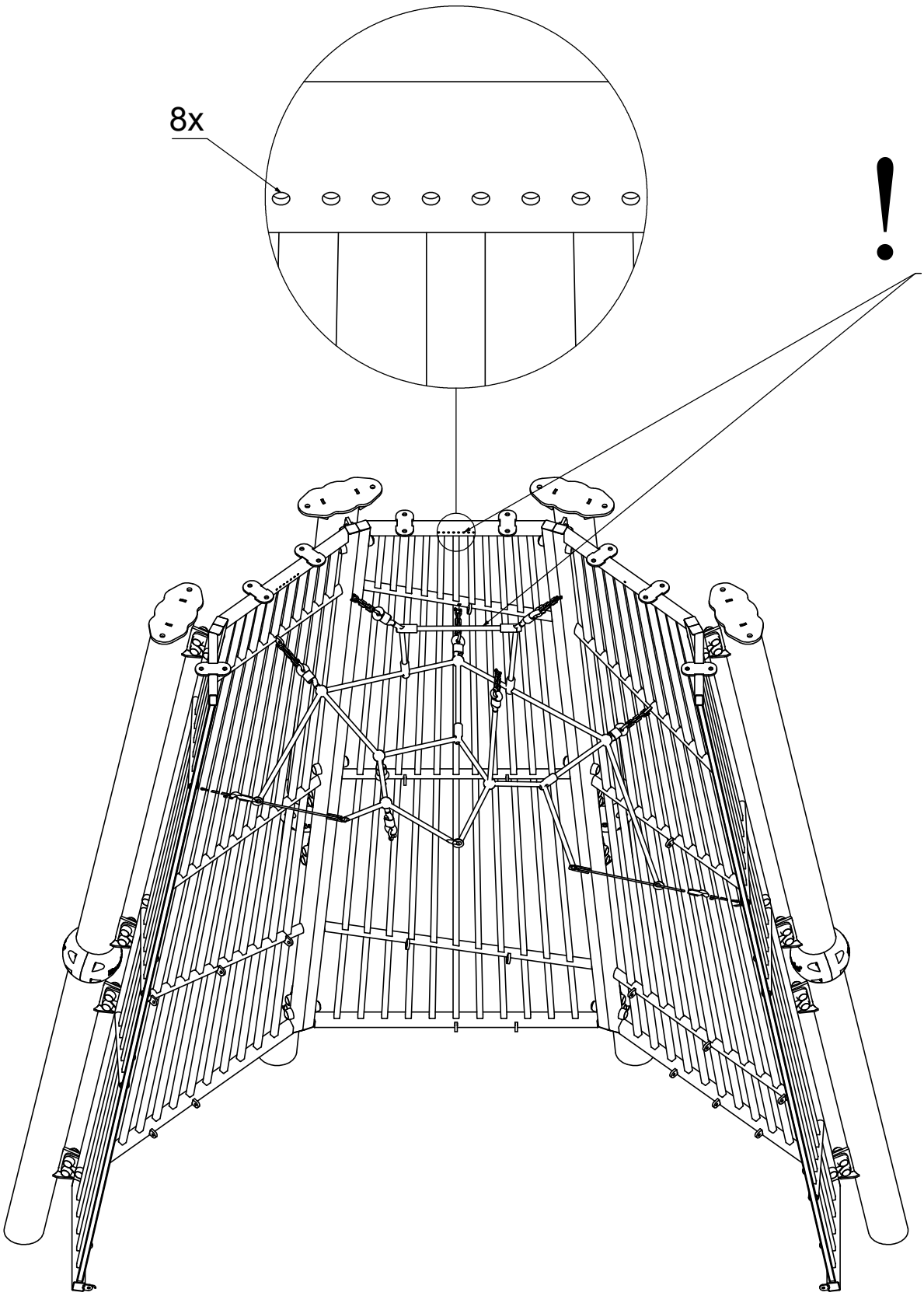
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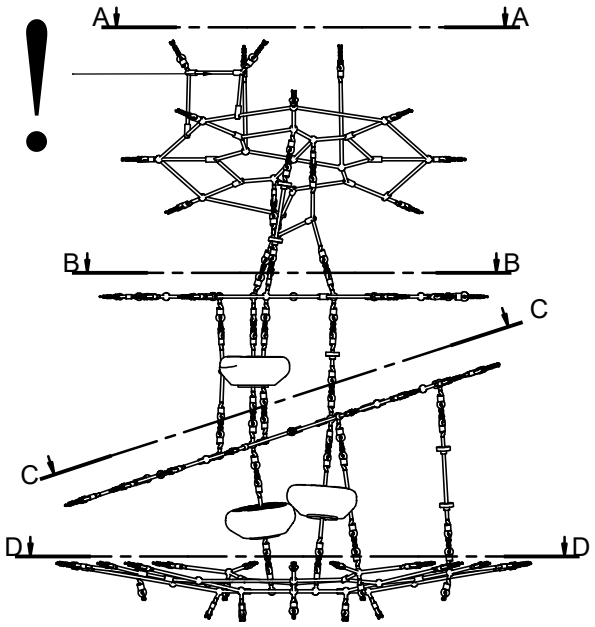
5



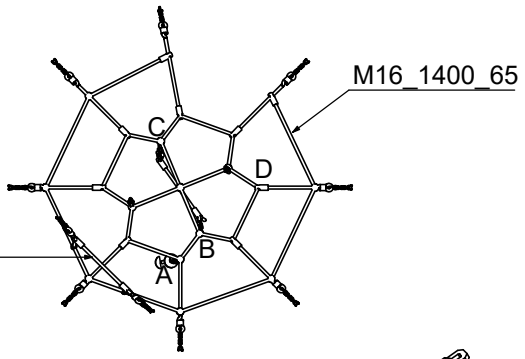
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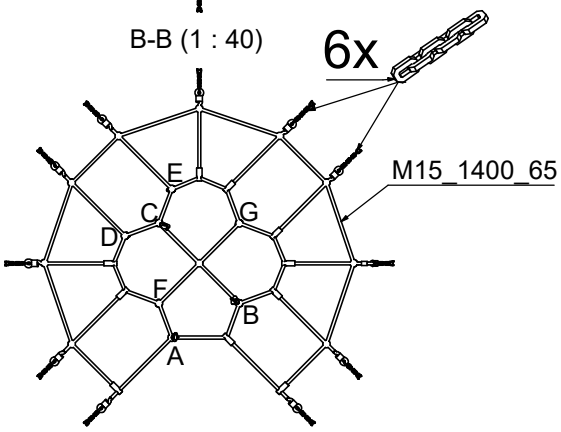
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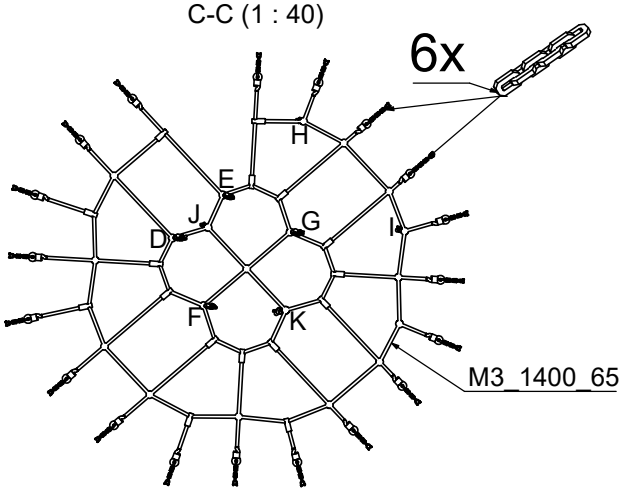
A-A (1 : 40)



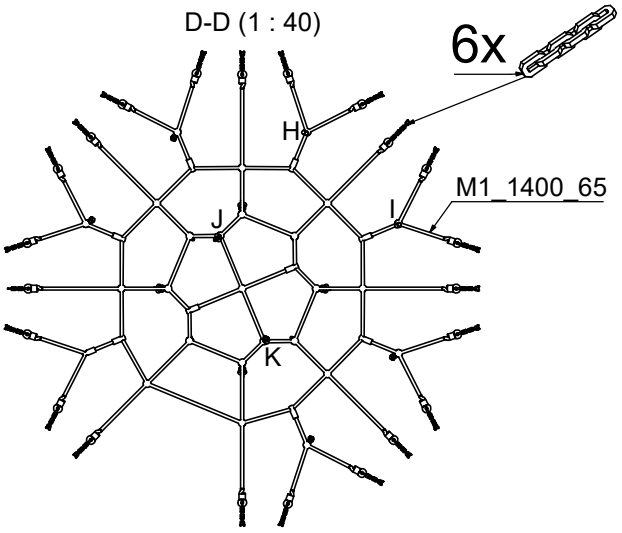
B-B (1 : 40)



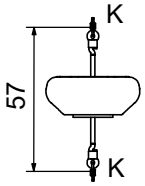
C-C (1 : 40)



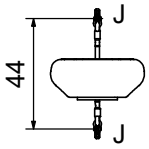
D-D (1 : 40)



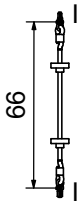
M4_1400_65



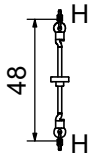
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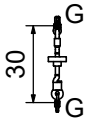
M6_1400_65



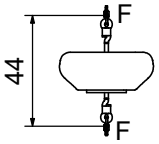
M7_1400_65



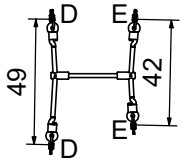
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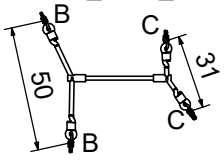
M9_1400_65



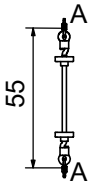
M10_1400_65



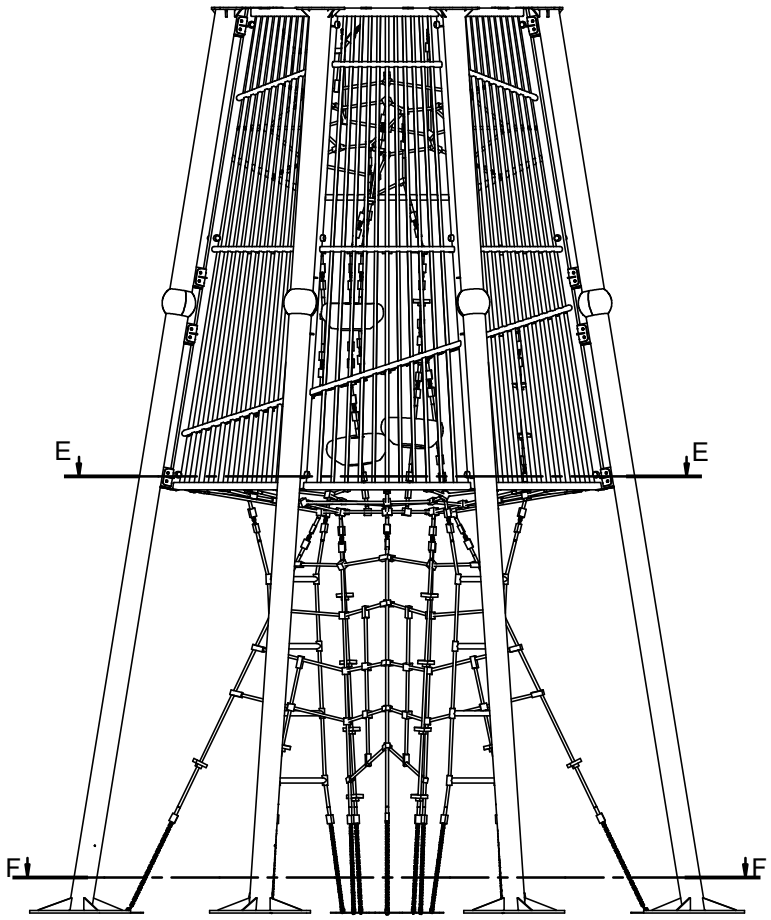
M11_1400_65



M12_1400_65

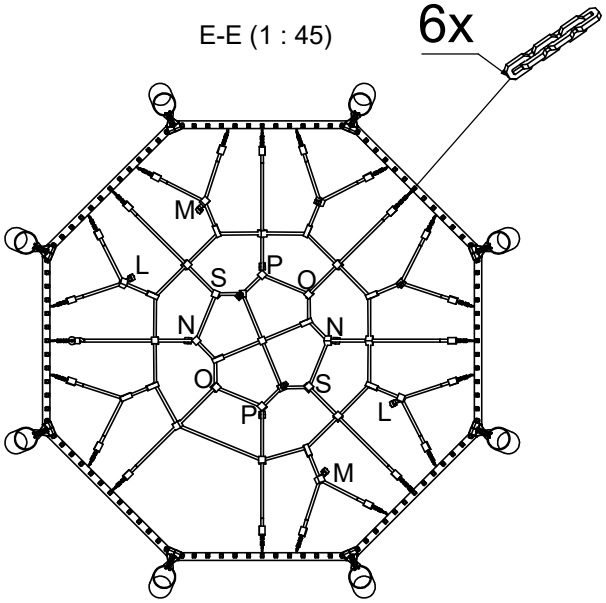


8 N!

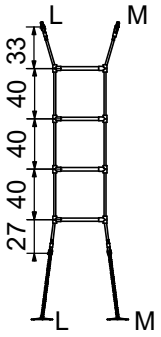


E-E (1 : 45)

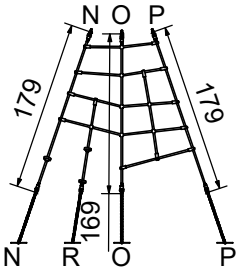
6x



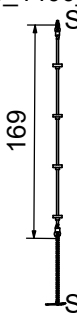
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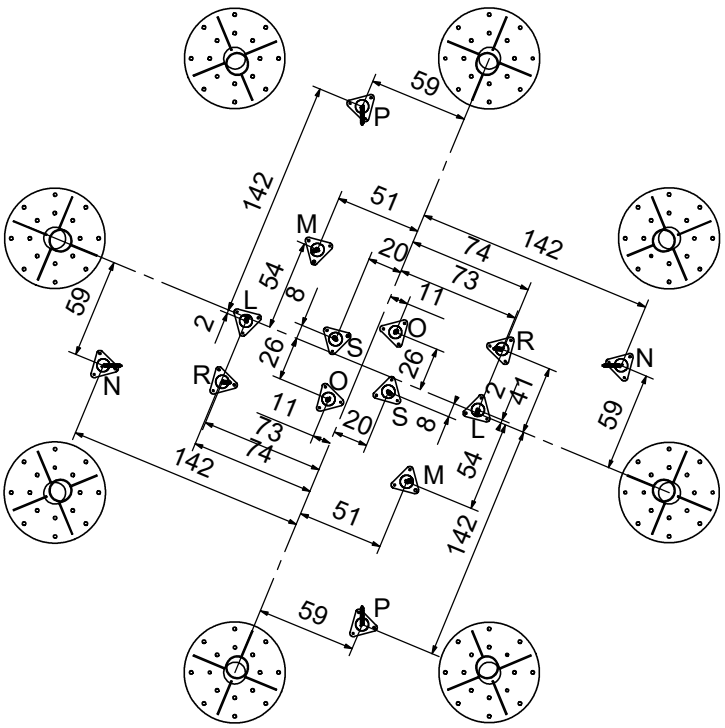


M13_1400_65F40



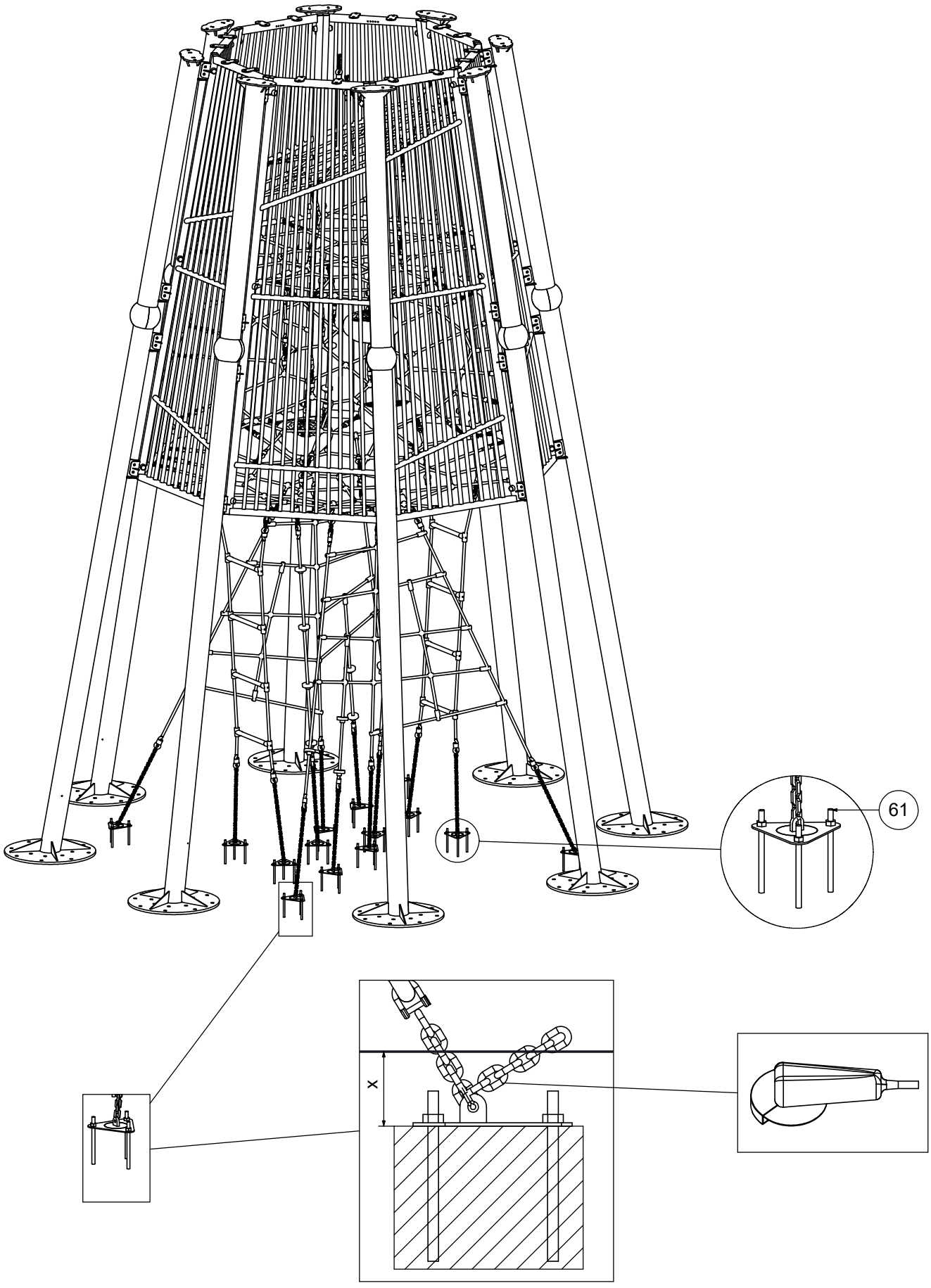
M14_1400_65F40





INST_14_65 7/8

9



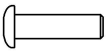
INST_14_65 8/8

INST_14_68A

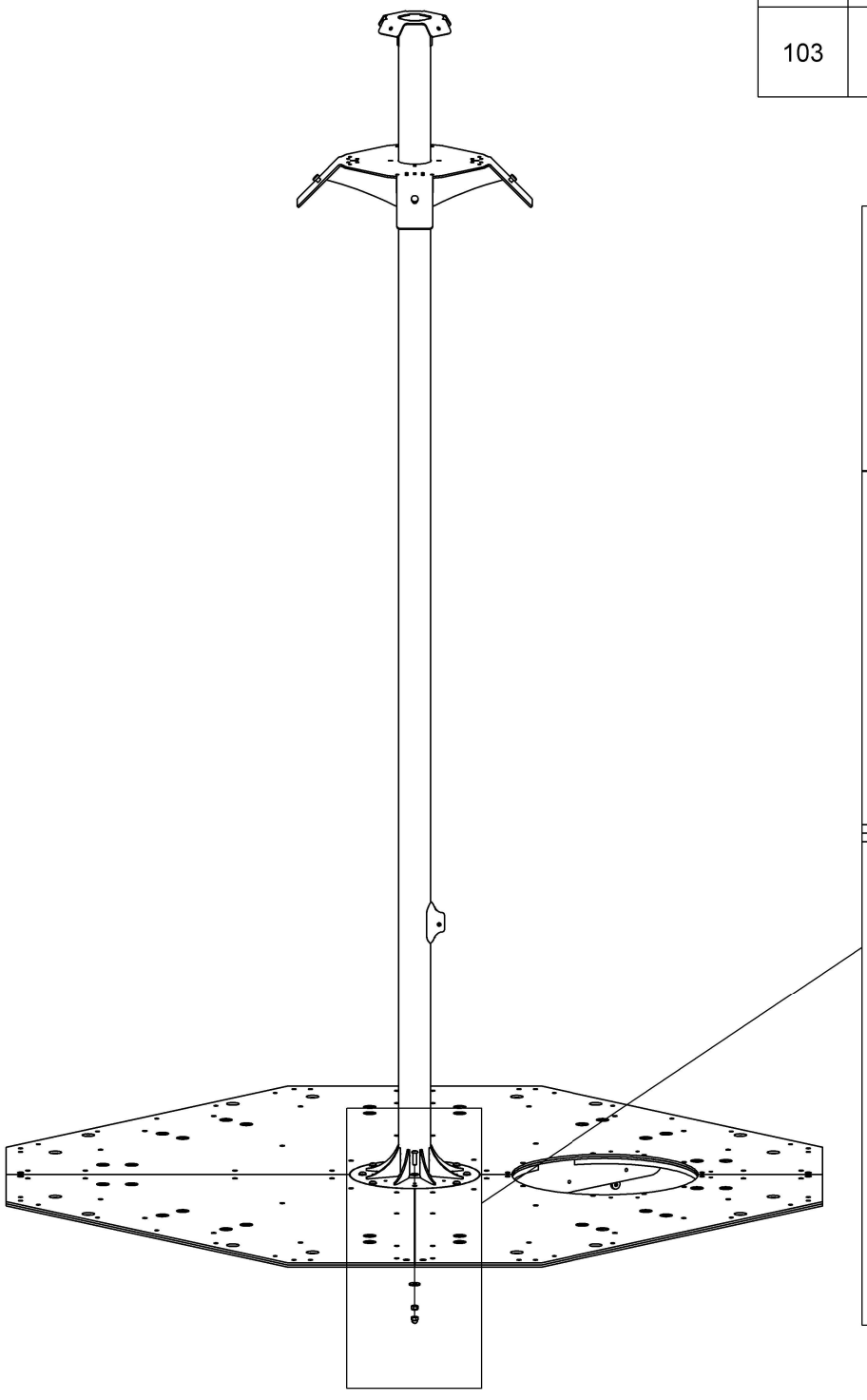


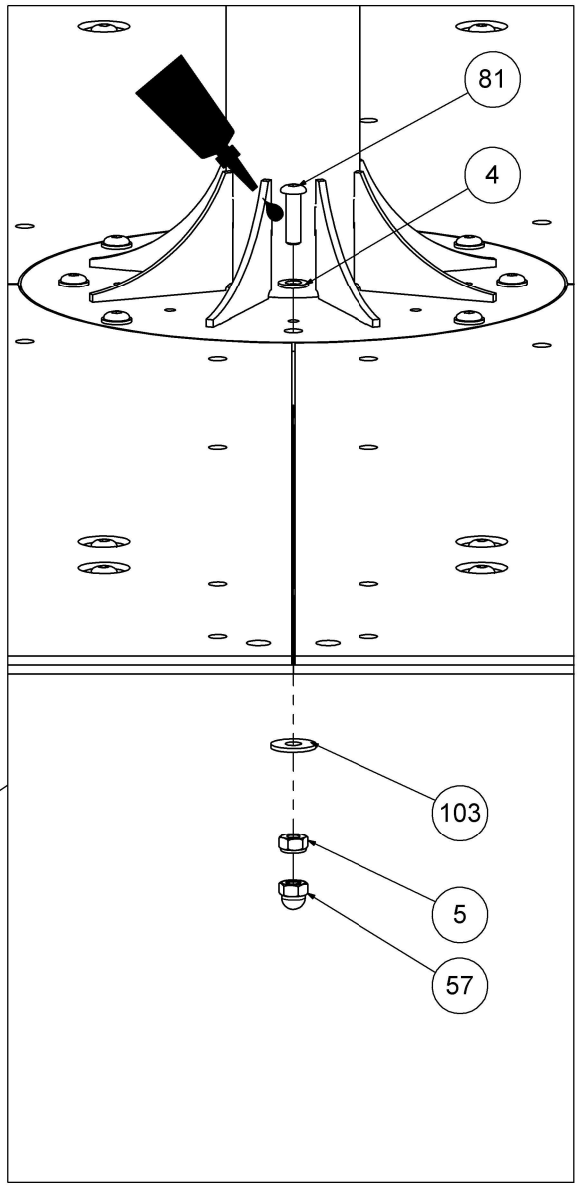


Nr. 6 Nr. 17

Nr	Σ	Element		
4	8		DIN 125	10x20
5	8		DIN 985	M10
57	8		DIN 1587	M10
58	1		-	LOCTITE
81	8		ISO 7380	M10x35
103	8		DIN 9021	10x30

1





INST_14_68B



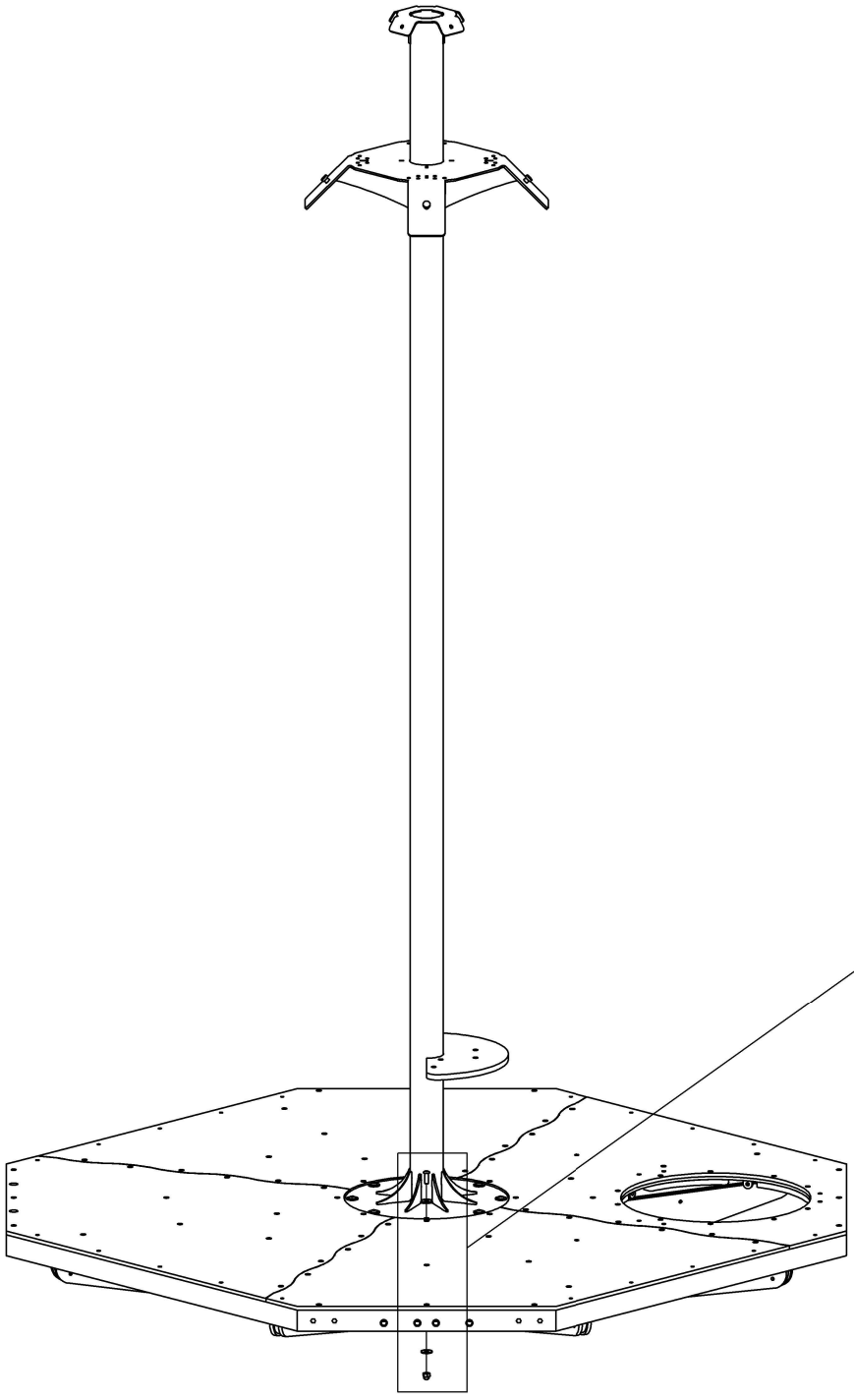
Nr. 6

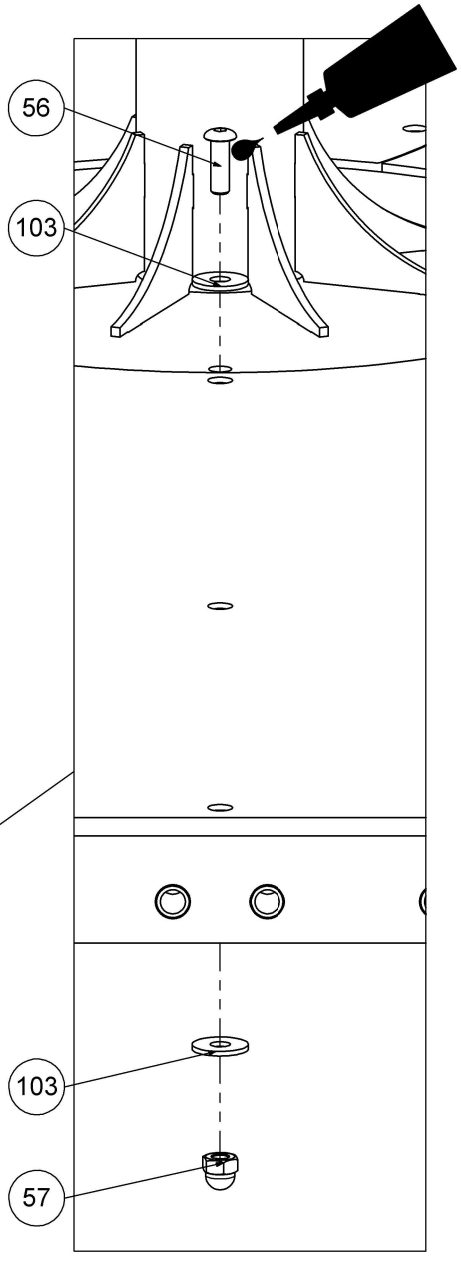


Nr. 17

Nr	Σ	Element		
56	8		ISO 7380	M10x30
57	8		DIN 1587	M10
58	1		-	LOCTITE
103	16		DIN 9021	10x30

1





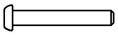
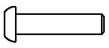
INST_14_84



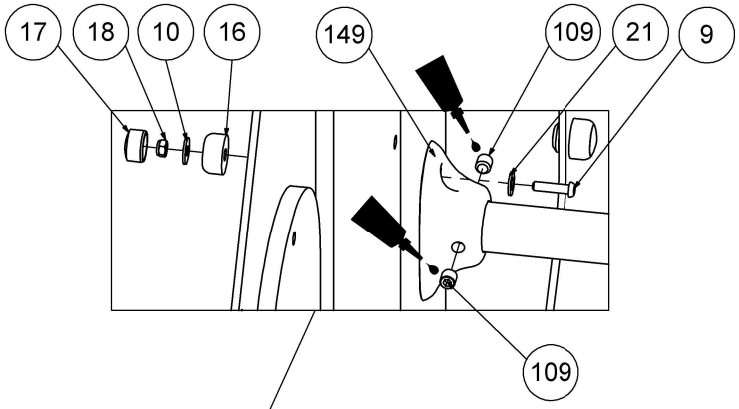
Nr. 4, 5

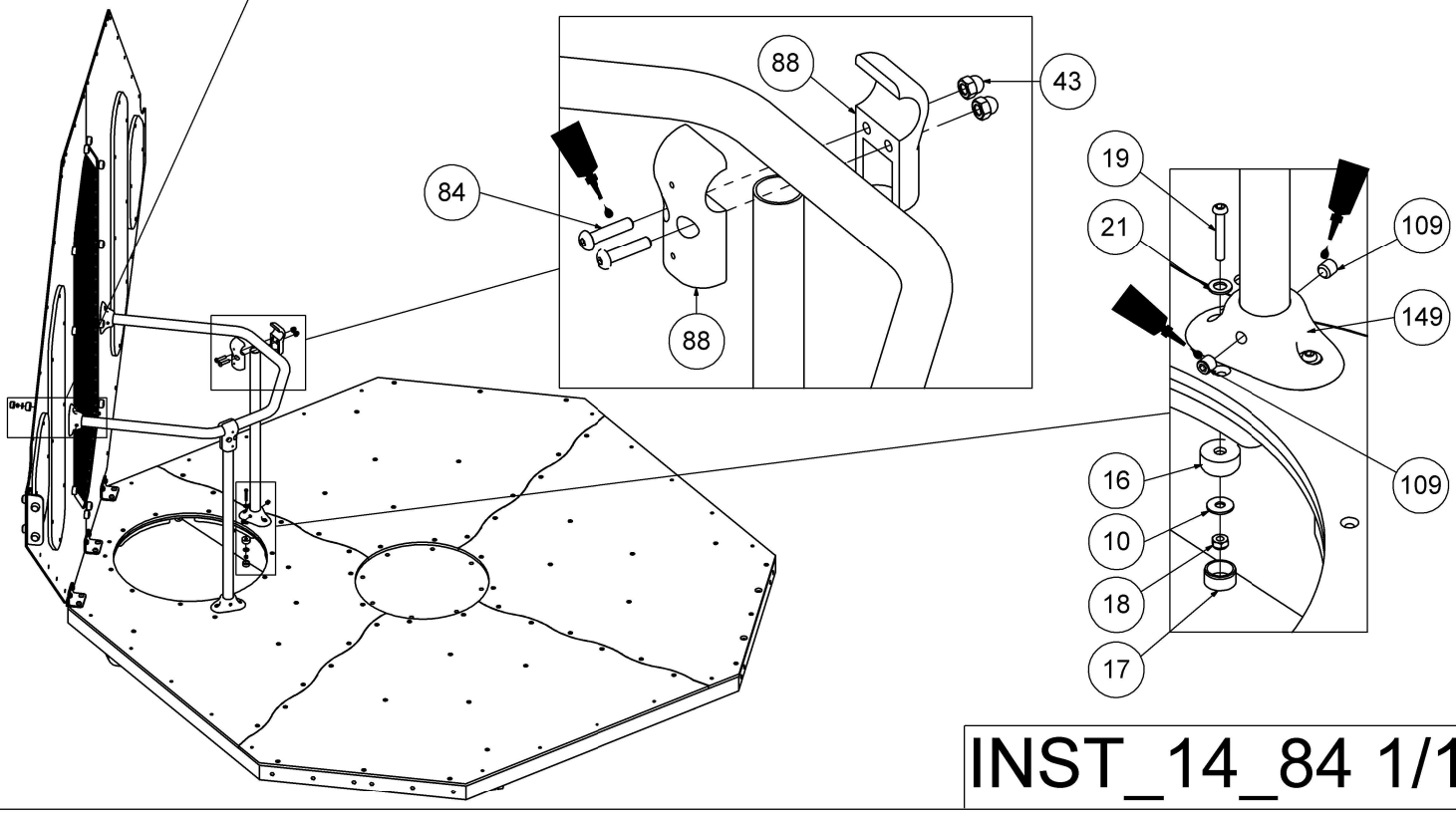


Nr. 10, 13

Nr	Σ	Element		
9	4		ISO 7380	M6x25
10	8		DIN 9021	6x18
16	8		-	K1_d21_B
17	8		-	Z1_d21_B
18	8		DIN 985	M6 (OC)
19	4		ISO 7380	M6x40
21	8		DIN 125	8x16
43	4		DIN 1587	M8
58	1		-	LOCTITE
84	4		ISO 7380	M8x35
88	2		-	ALUZ RR
109	8		DIN 913	10x10
149	4		-	ALUZ SD

1





INST_14_84 1/1

INST_14_90



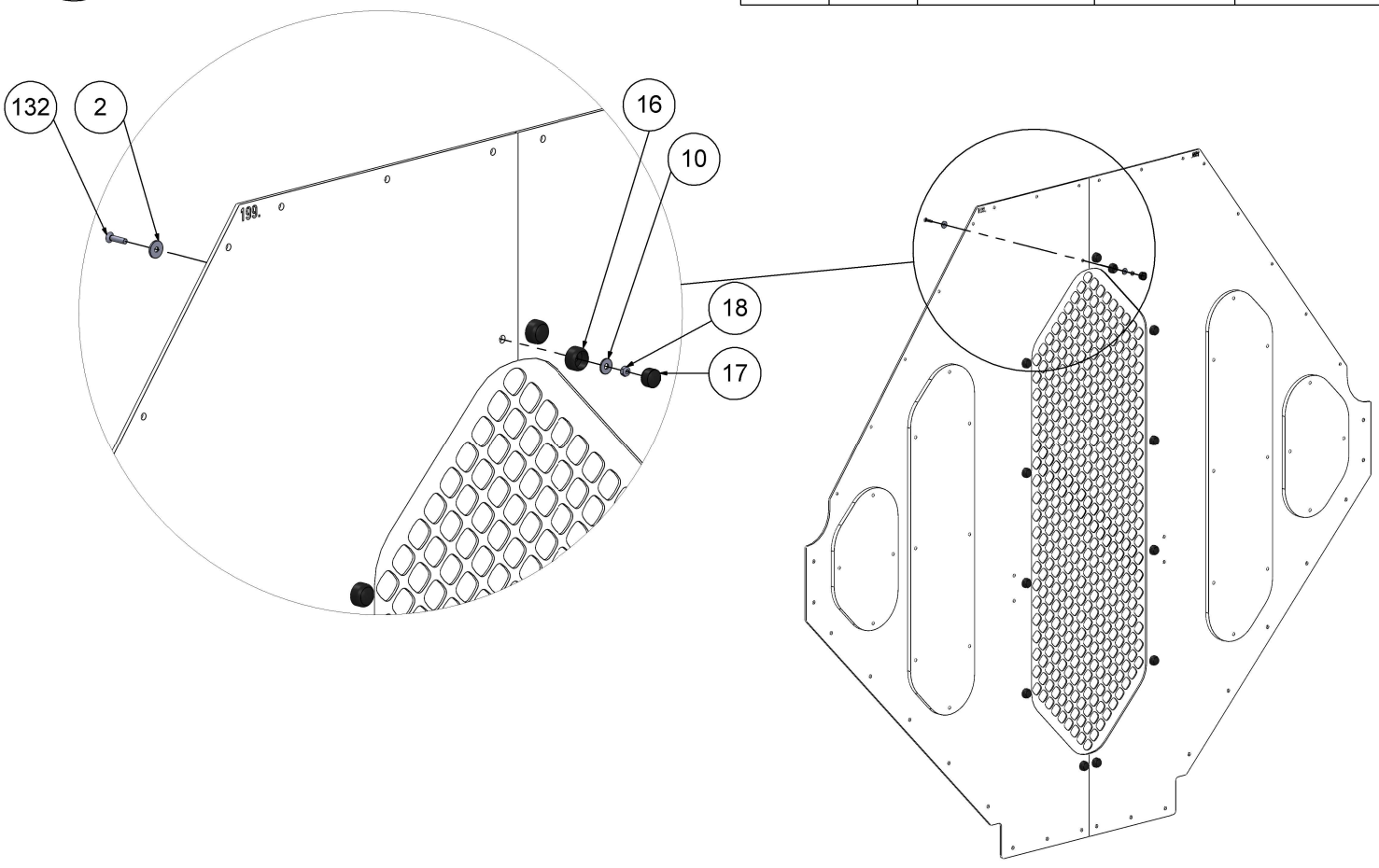
Nr. 4, 5



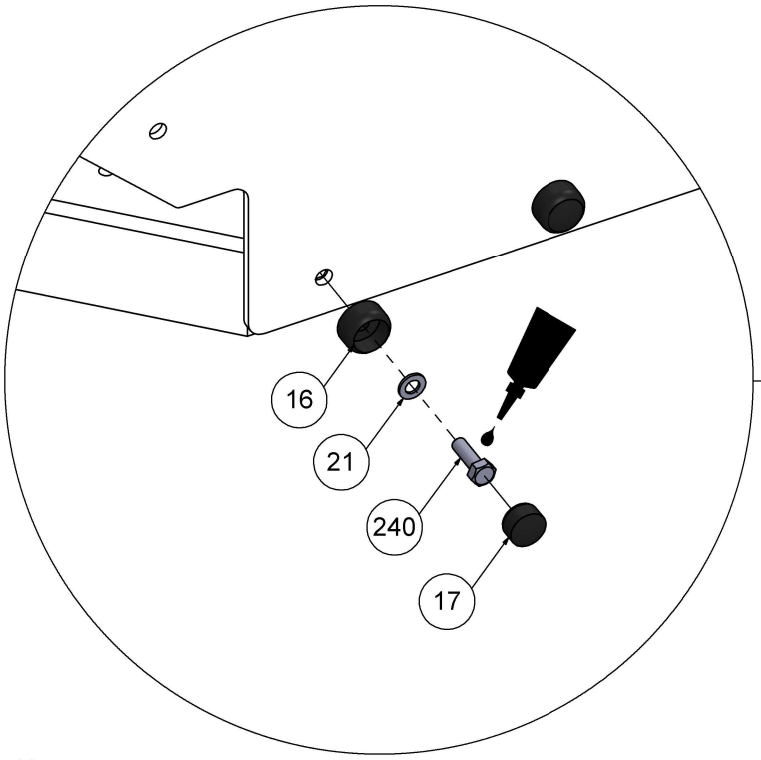
Nr. 10,13

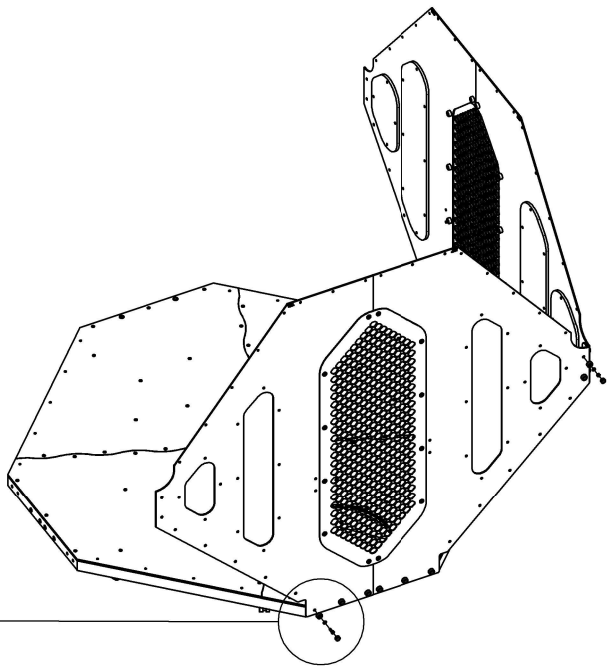
Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	22		-	K1_d21_B
17	22		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	4		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	12		DIN 7991	M6x25
240	6		DIN 933	M8x25 (OC)

1

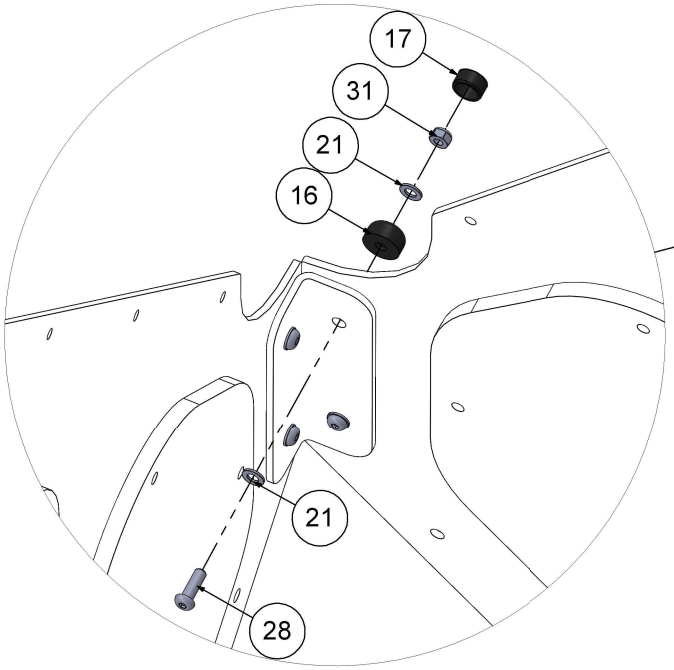


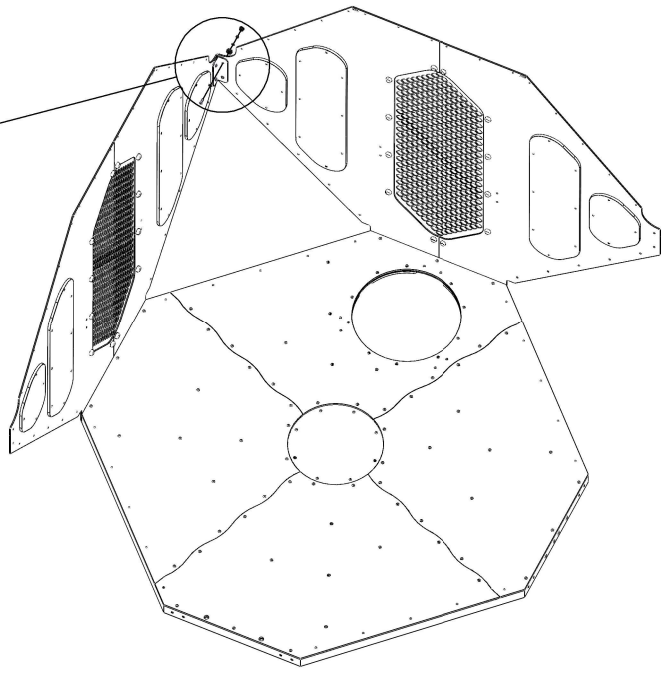
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3





INST_14_90 2/2

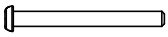
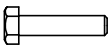
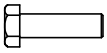
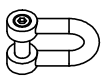
INST_14_94



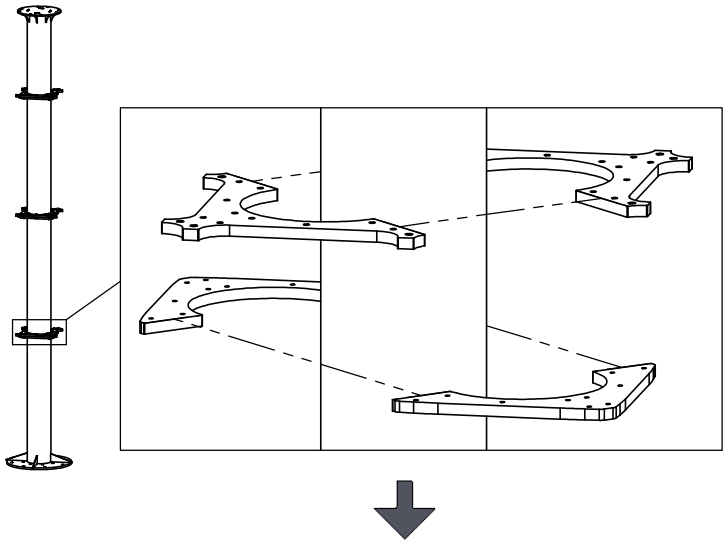
Nr. 4

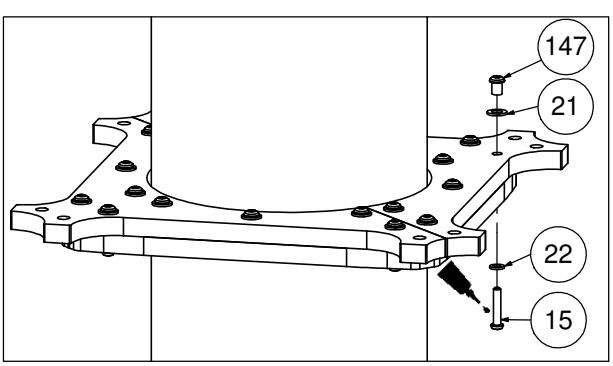


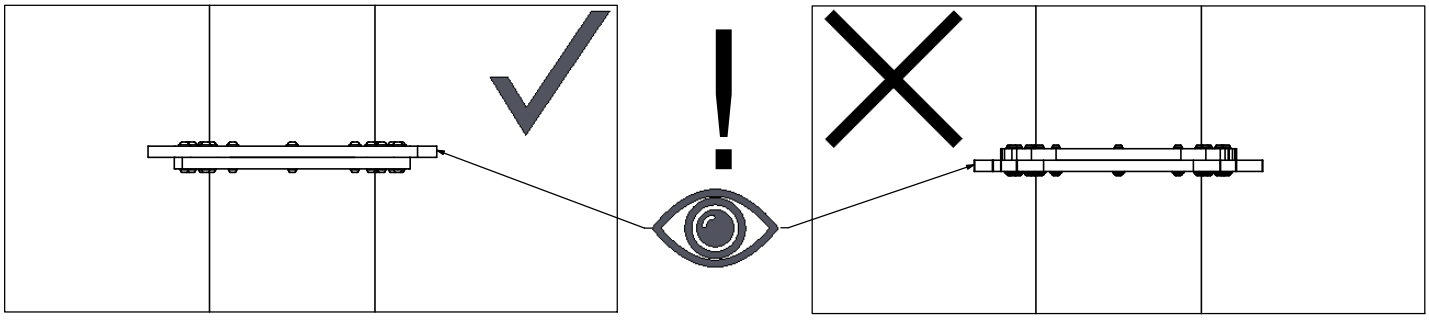
Nr. 10, 13, 24

Nr	Σ	Element		
11	16		DIN 1587	M6
15	60		ISO 7380	M6x30
21	140		DIN 125	8x16
22	76		DIN 125	6x12
24	84		ISO 7380	M6x16
31	40		DIN 985	M8 (OC)
49	28		-	PRT
58	1		-	LOCTITE
90	16		DIN 125	16x30
101	16		ISO 7380	M6x60
147	60		-	M6x10
209	40		DIN 933	M8x35
238	8		DIN 1587	M16
322	8		DIN 931	M16x55
327	8		-	MLR133
560	24		-	Szekla U 10mm A4

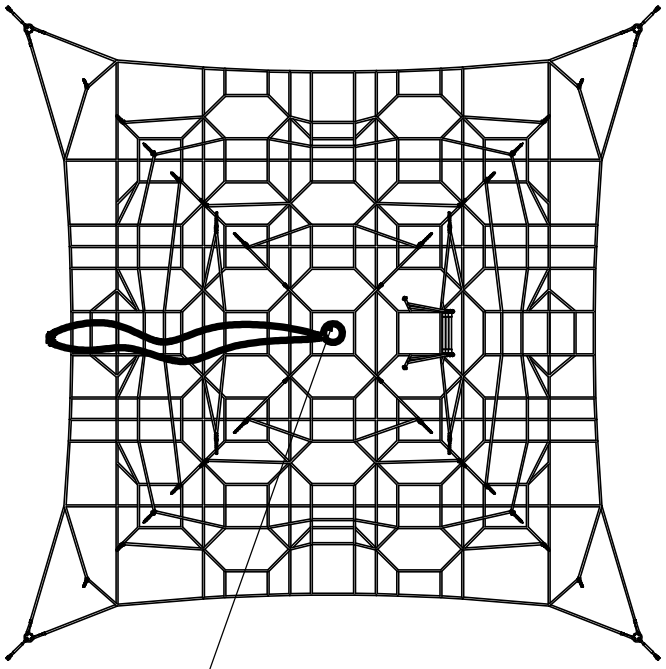
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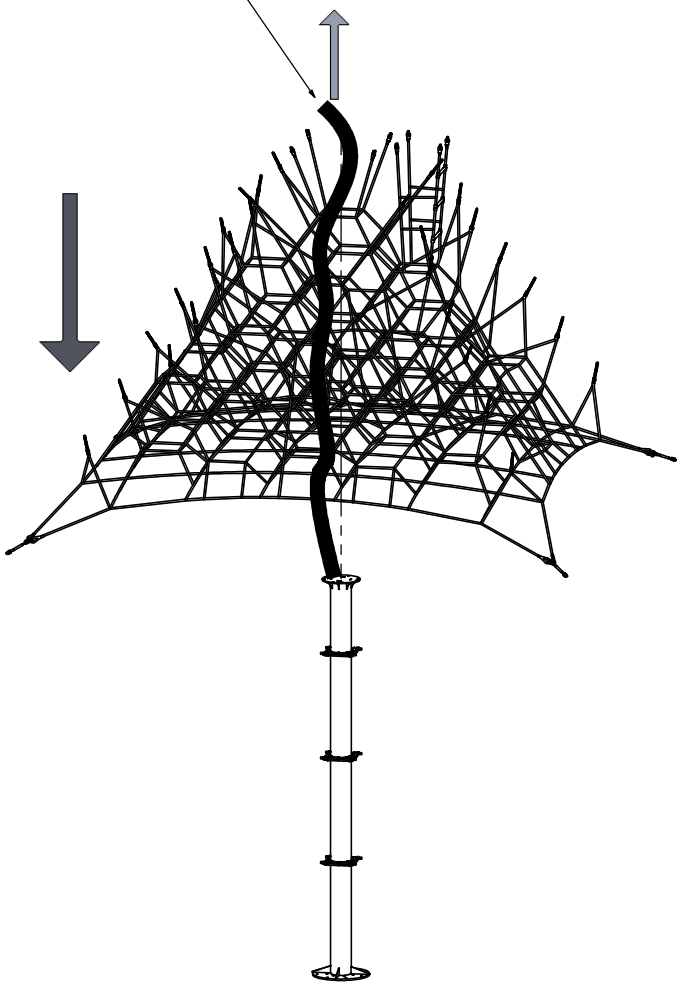


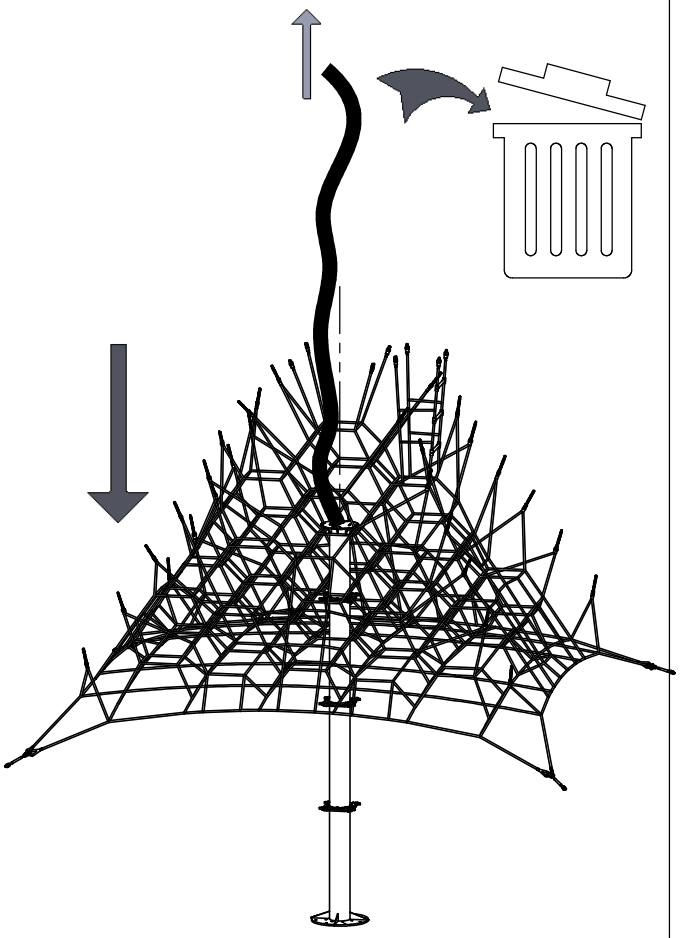




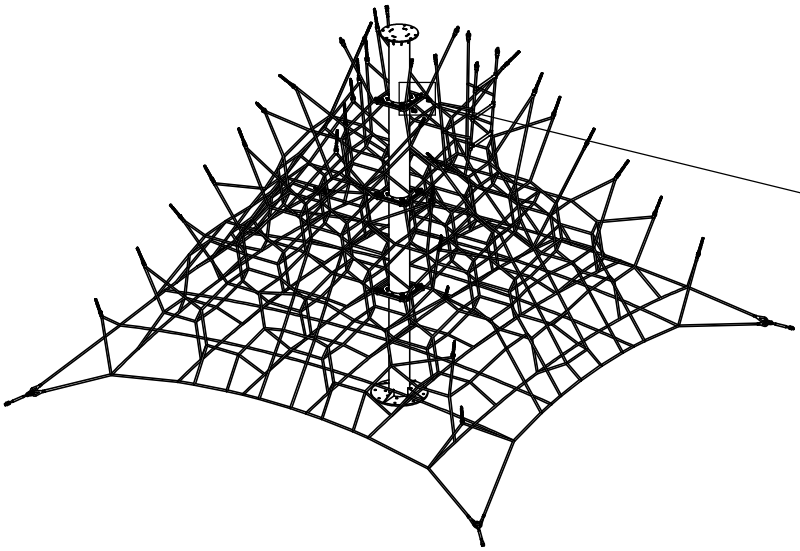
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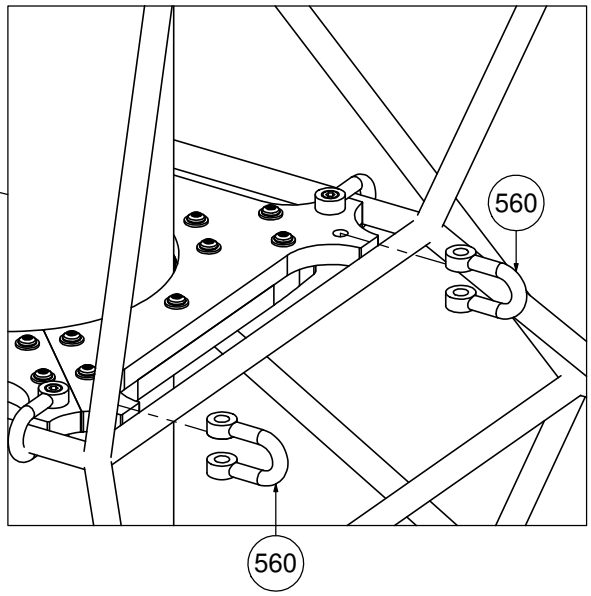


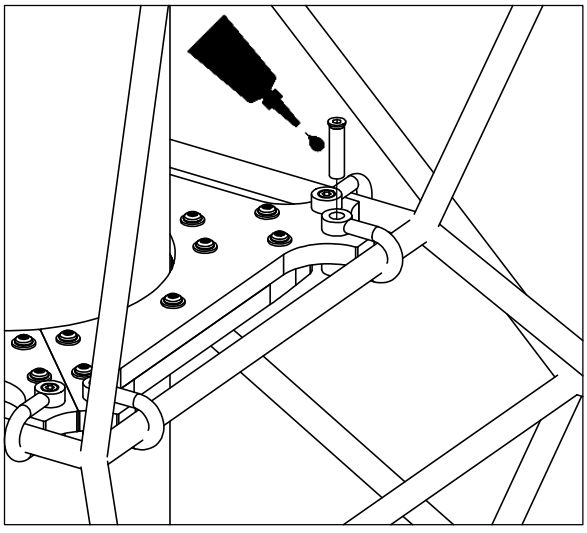




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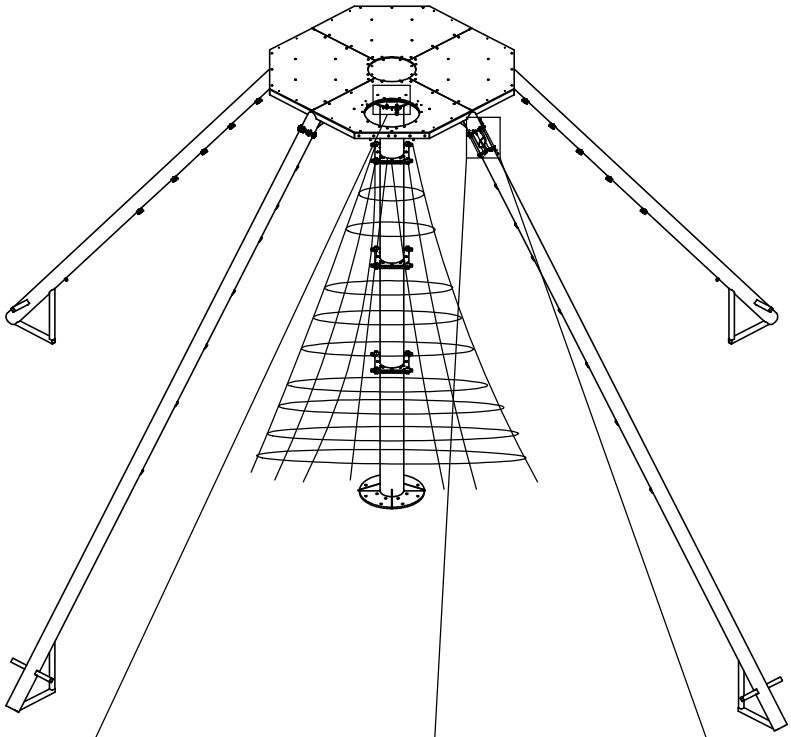


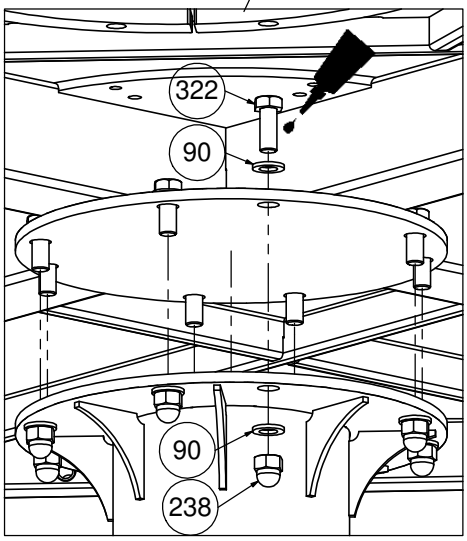


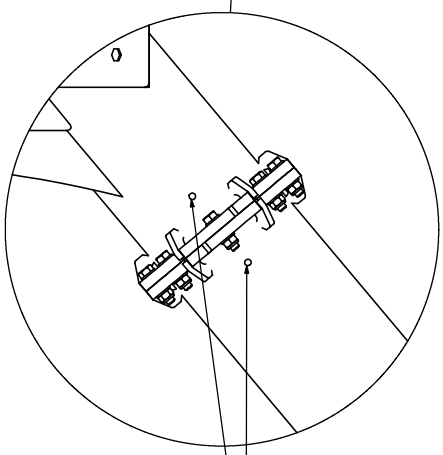


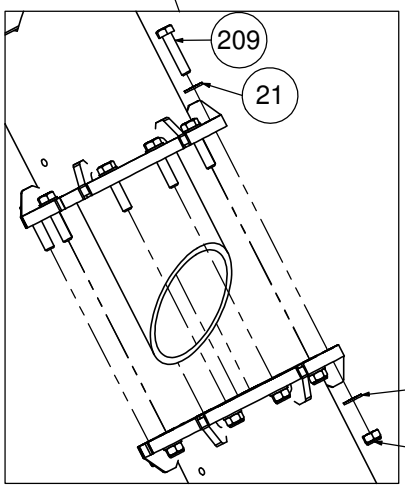
Nr. 4

4



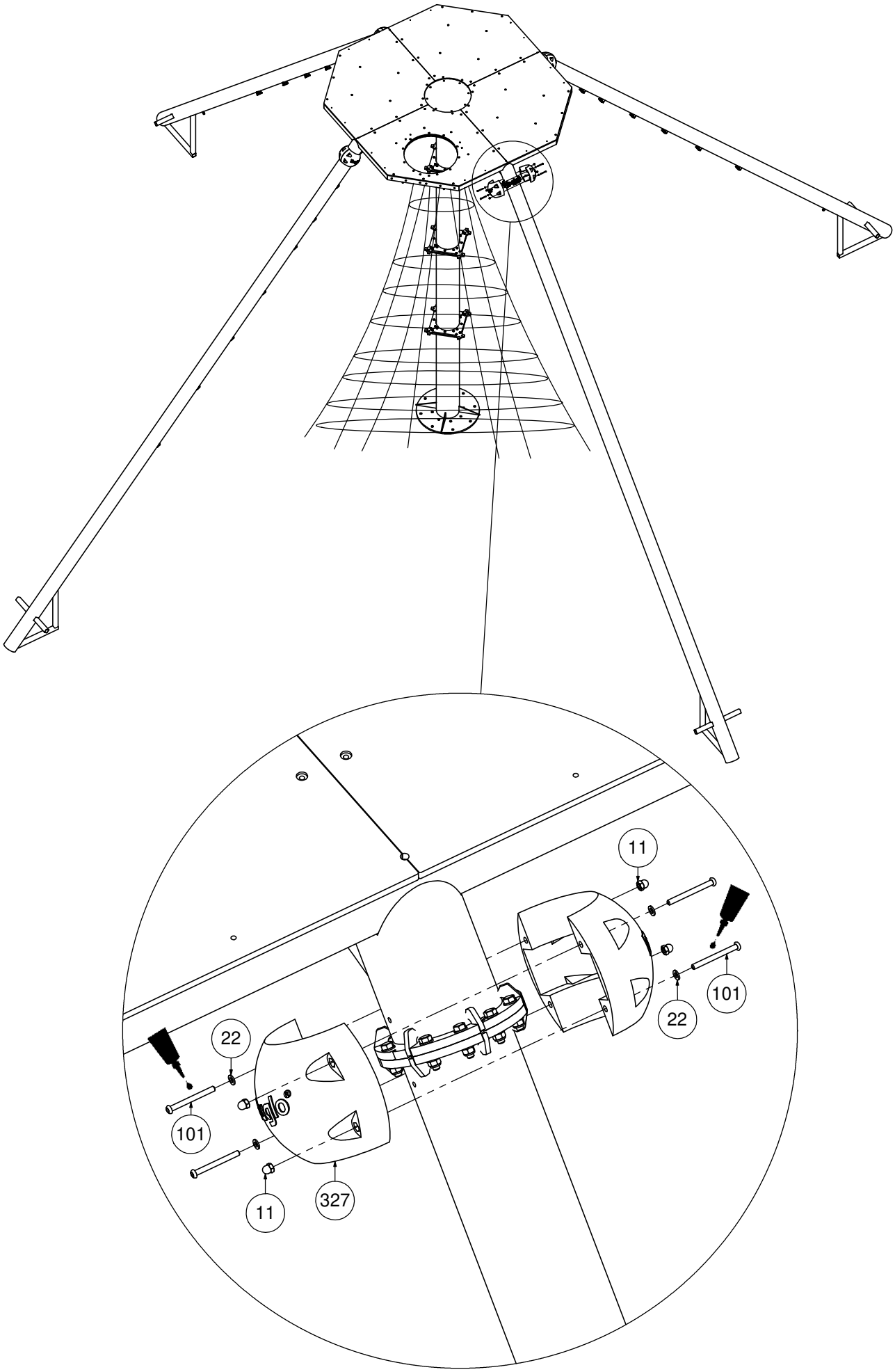




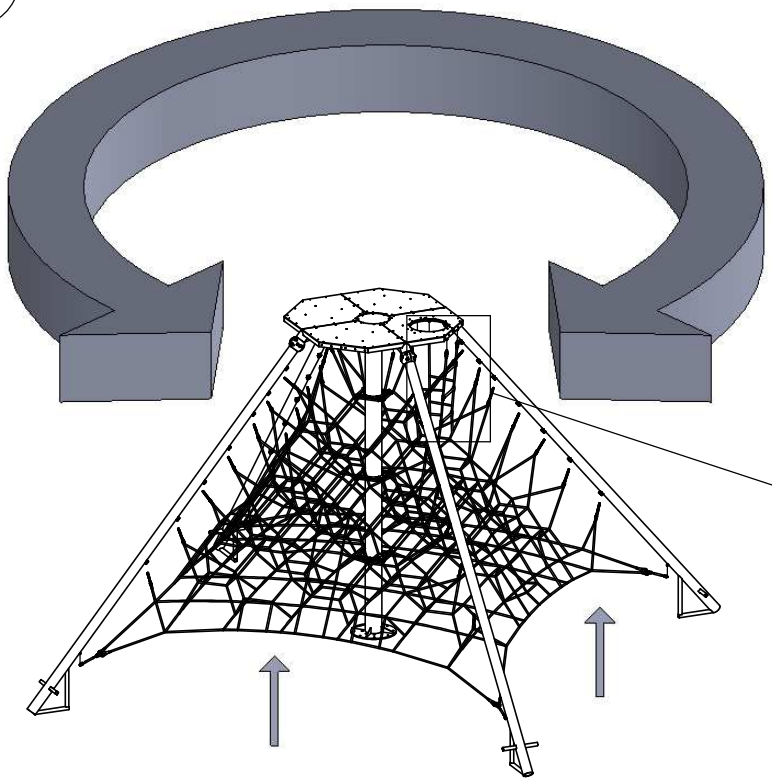


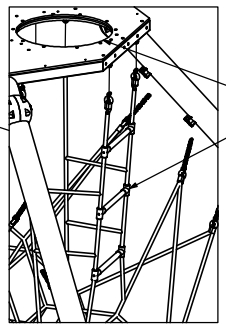


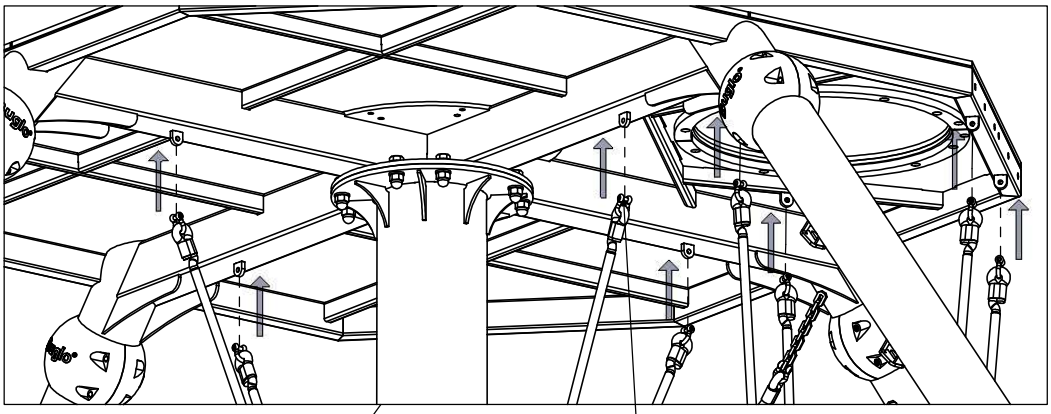
INST_14_94

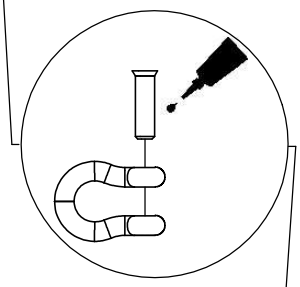


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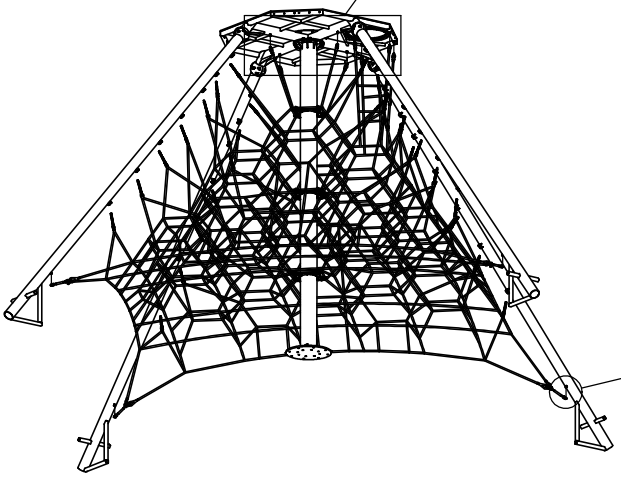


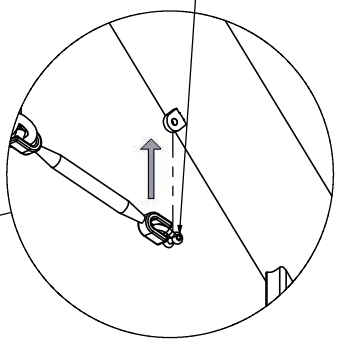




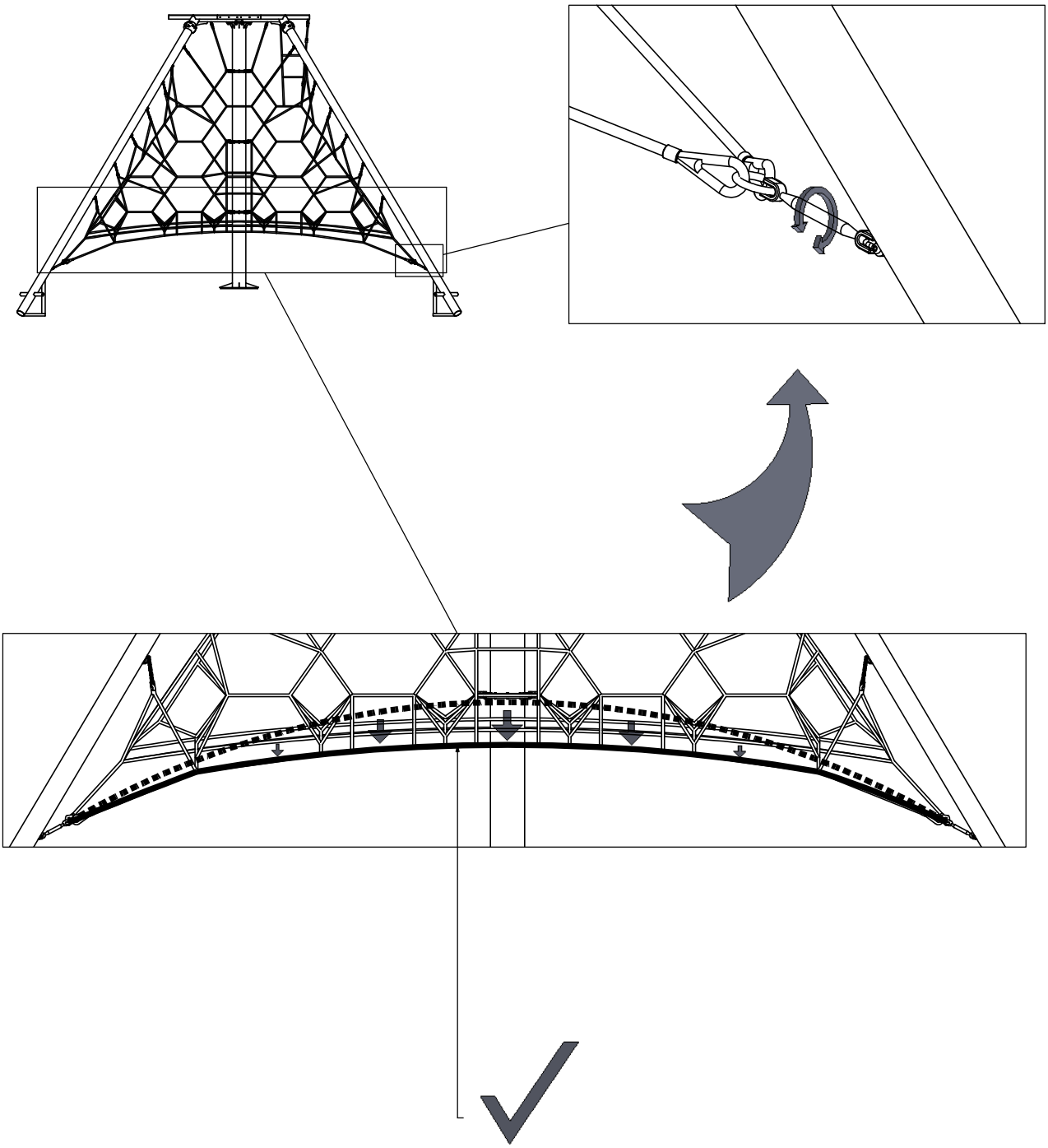


Nr. 4

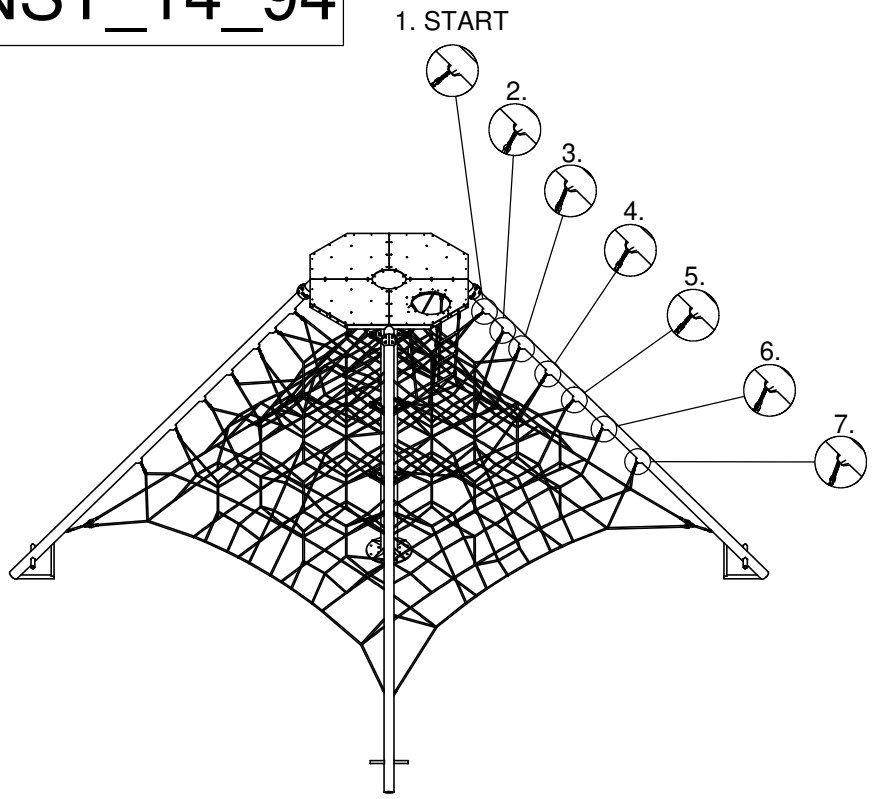


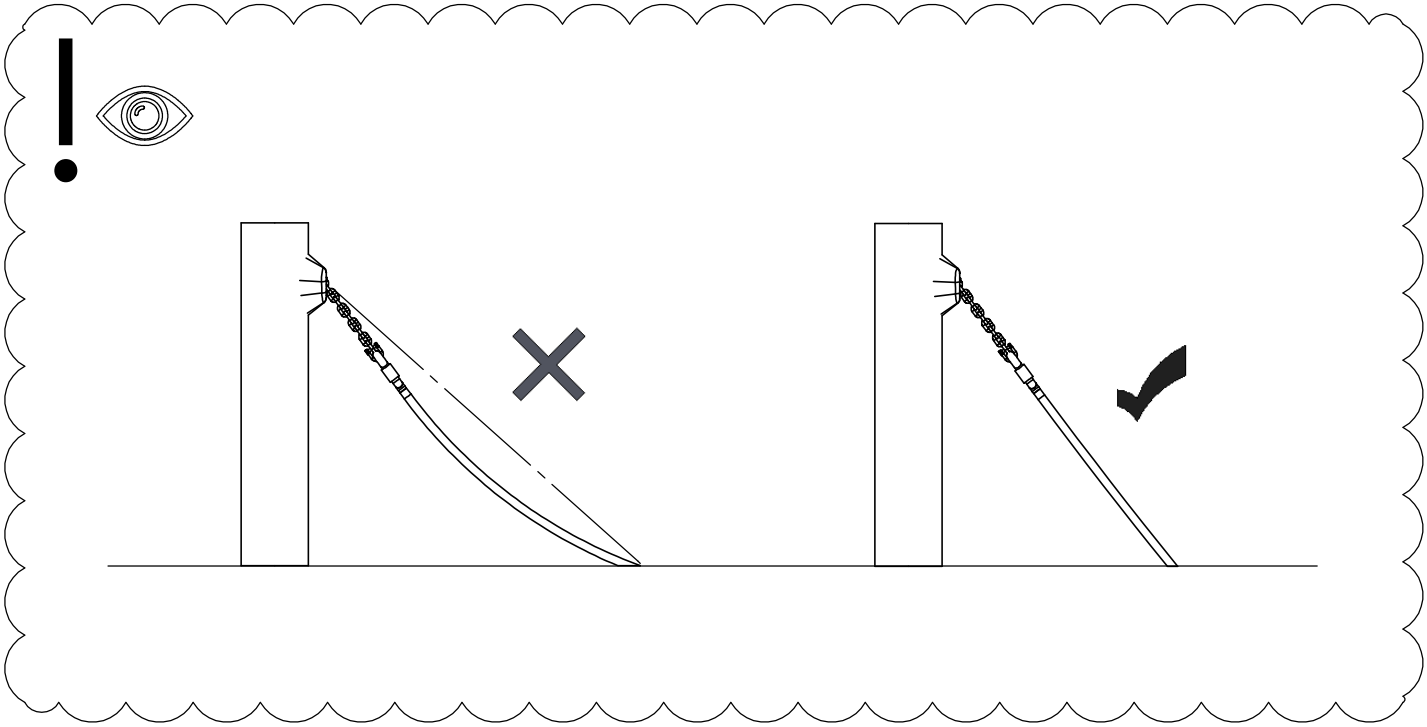


INST_14_94

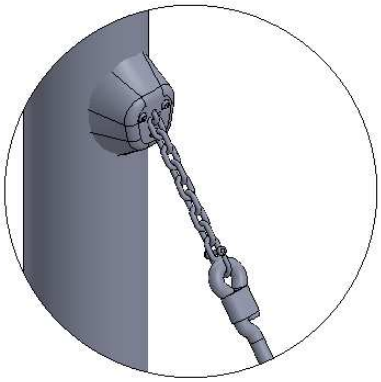


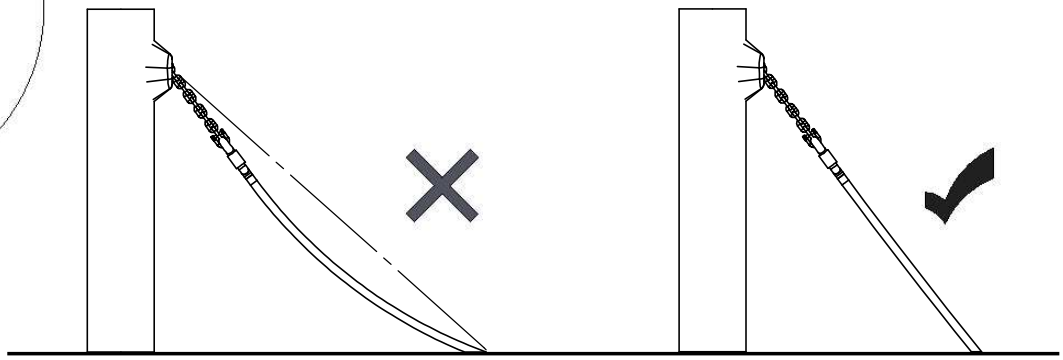
INST_14_94



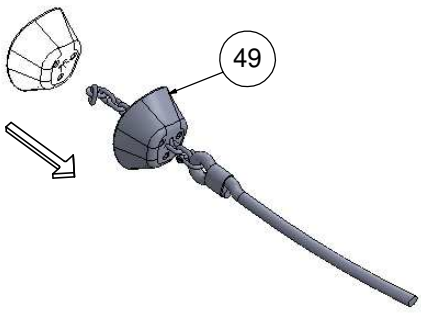


INST_14_94

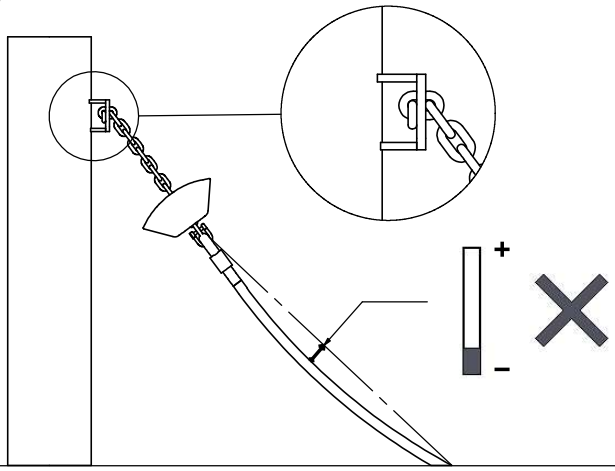




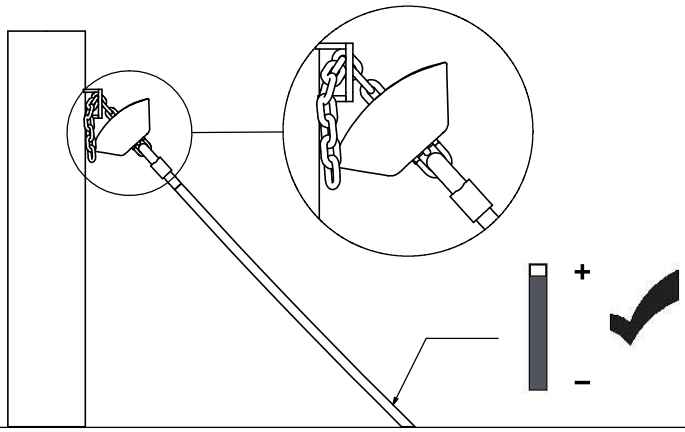
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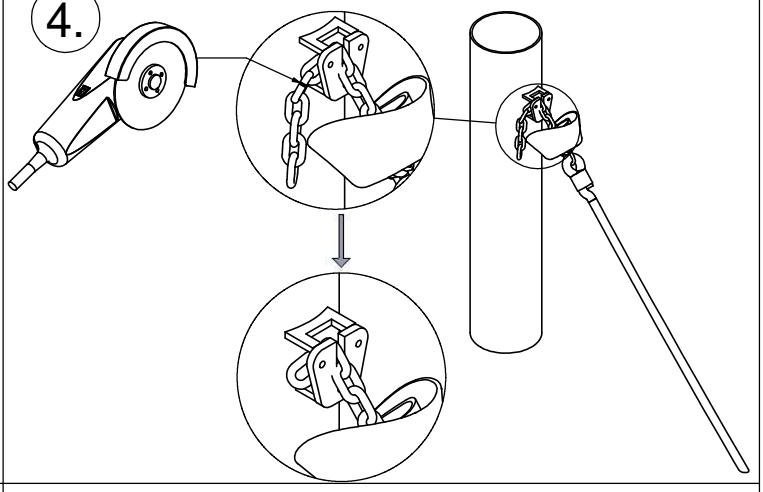
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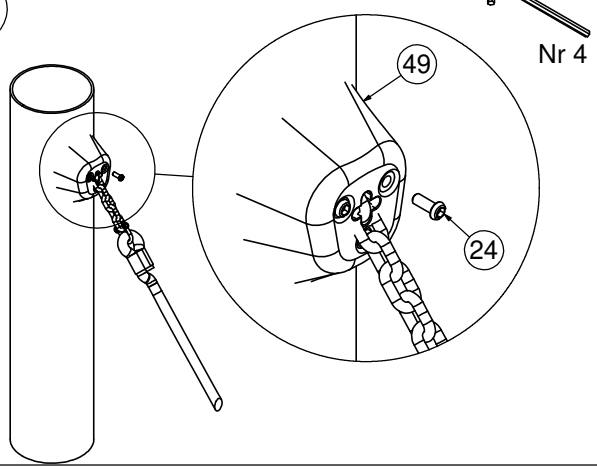
3.



4.



5.



INST_14_96



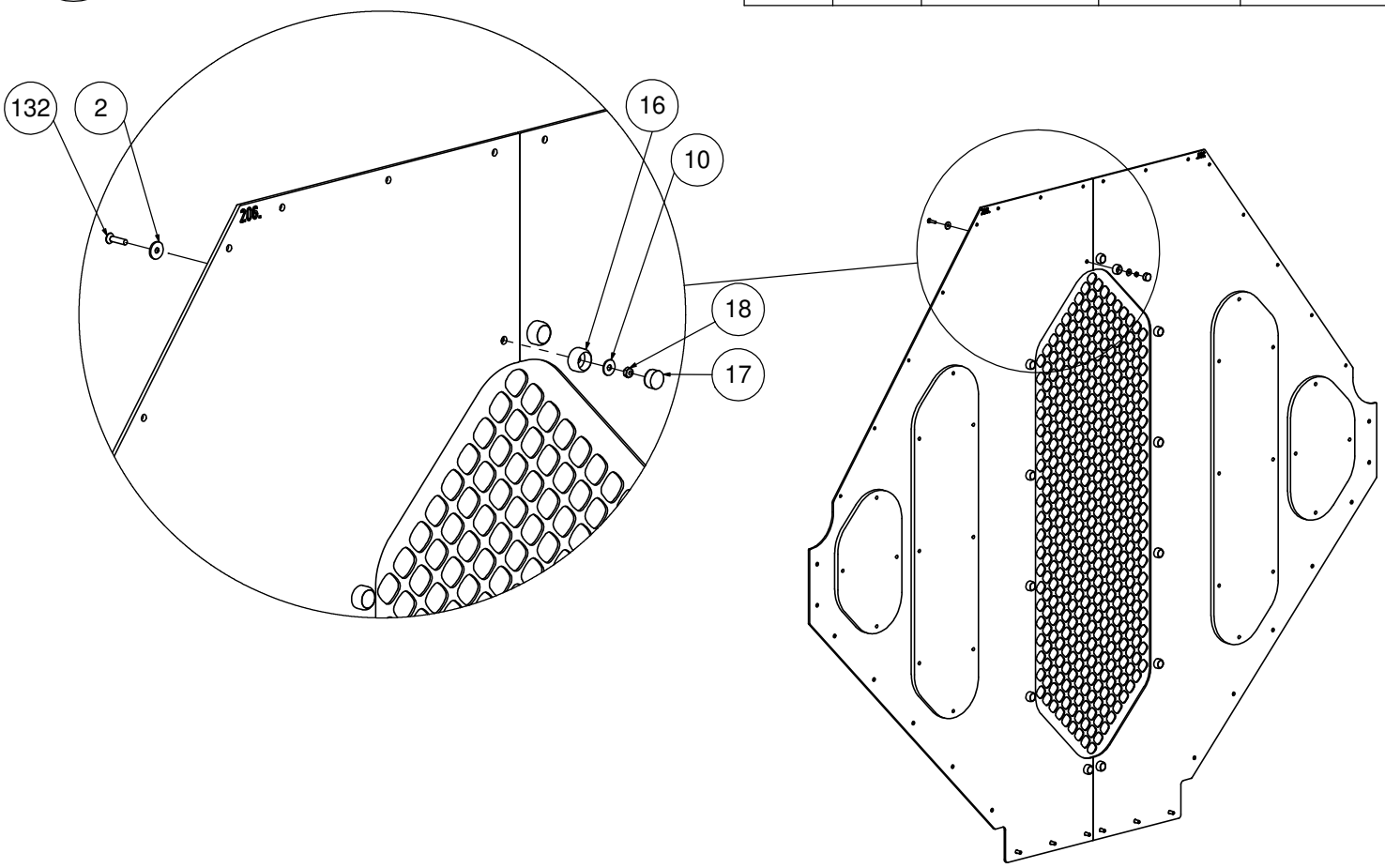
Nr. 4, 5



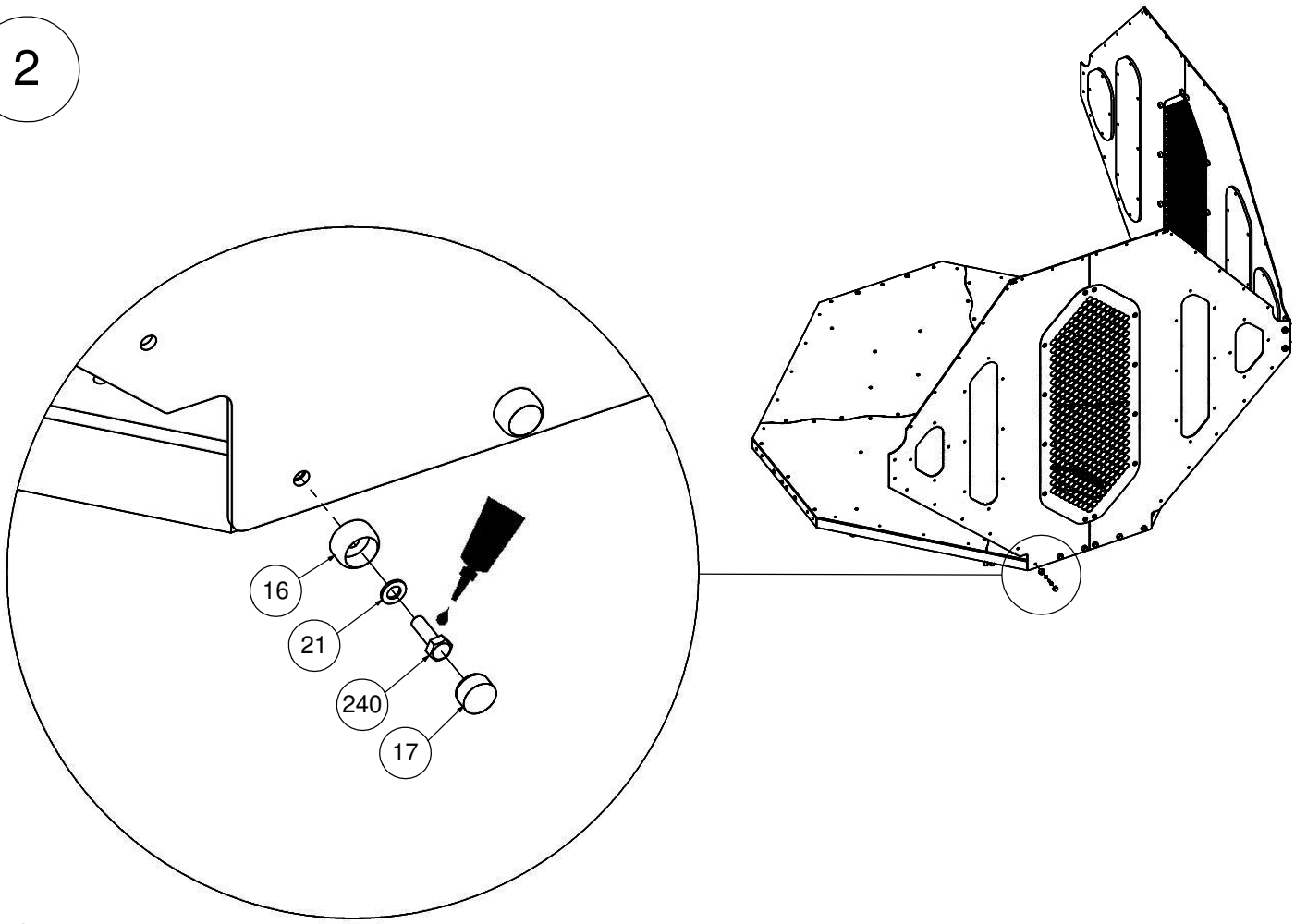
Nr. 10,13

Nr	Σ	Element		
2	12		-	W6x60
10	12		DIN 9021	6x18
16	22		-	K1_d21_B
17	22		-	Z1_d21_B
18	12		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	4		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	12		DIN 7991	M6x25
240	6		DIN 933	M8x25 (OC)

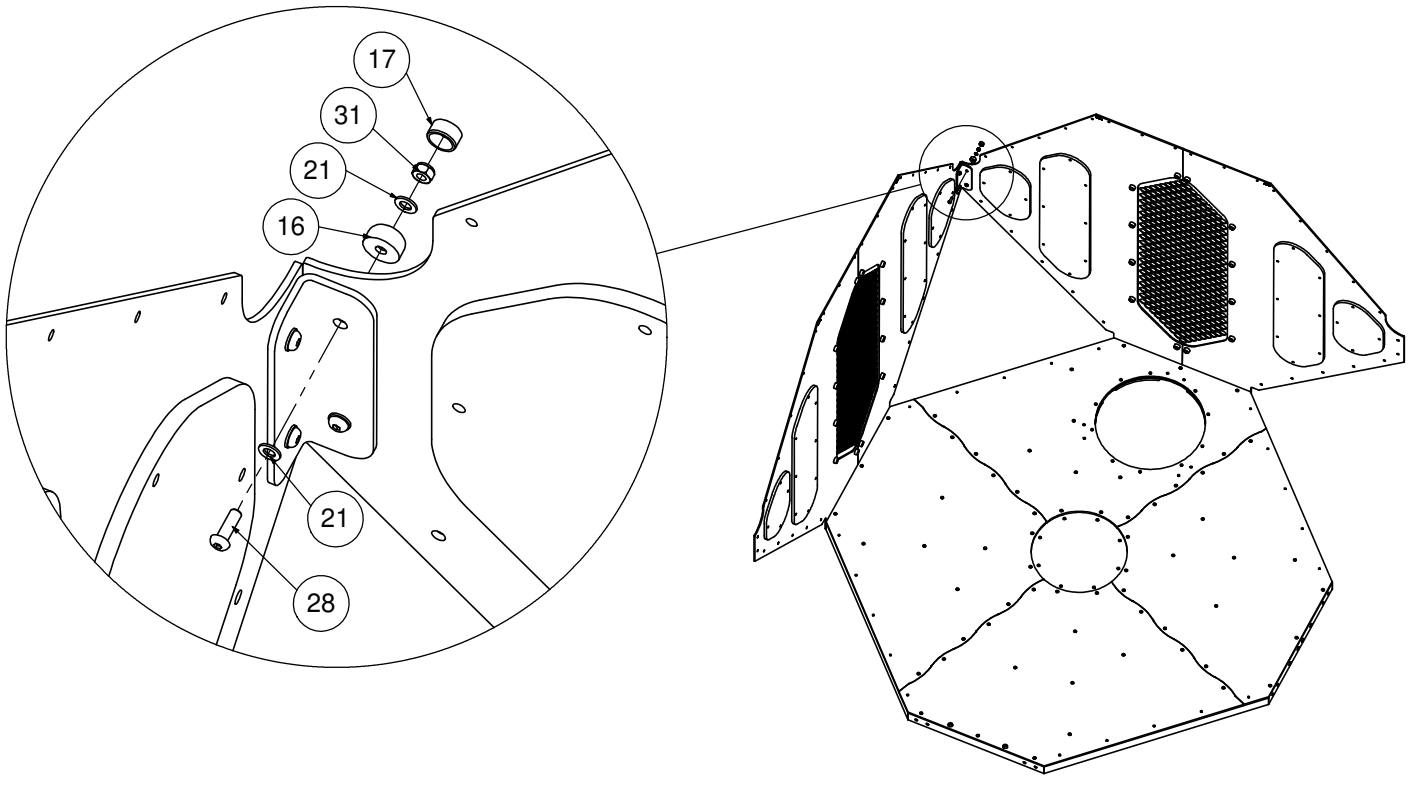
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2



3



INST_14_97



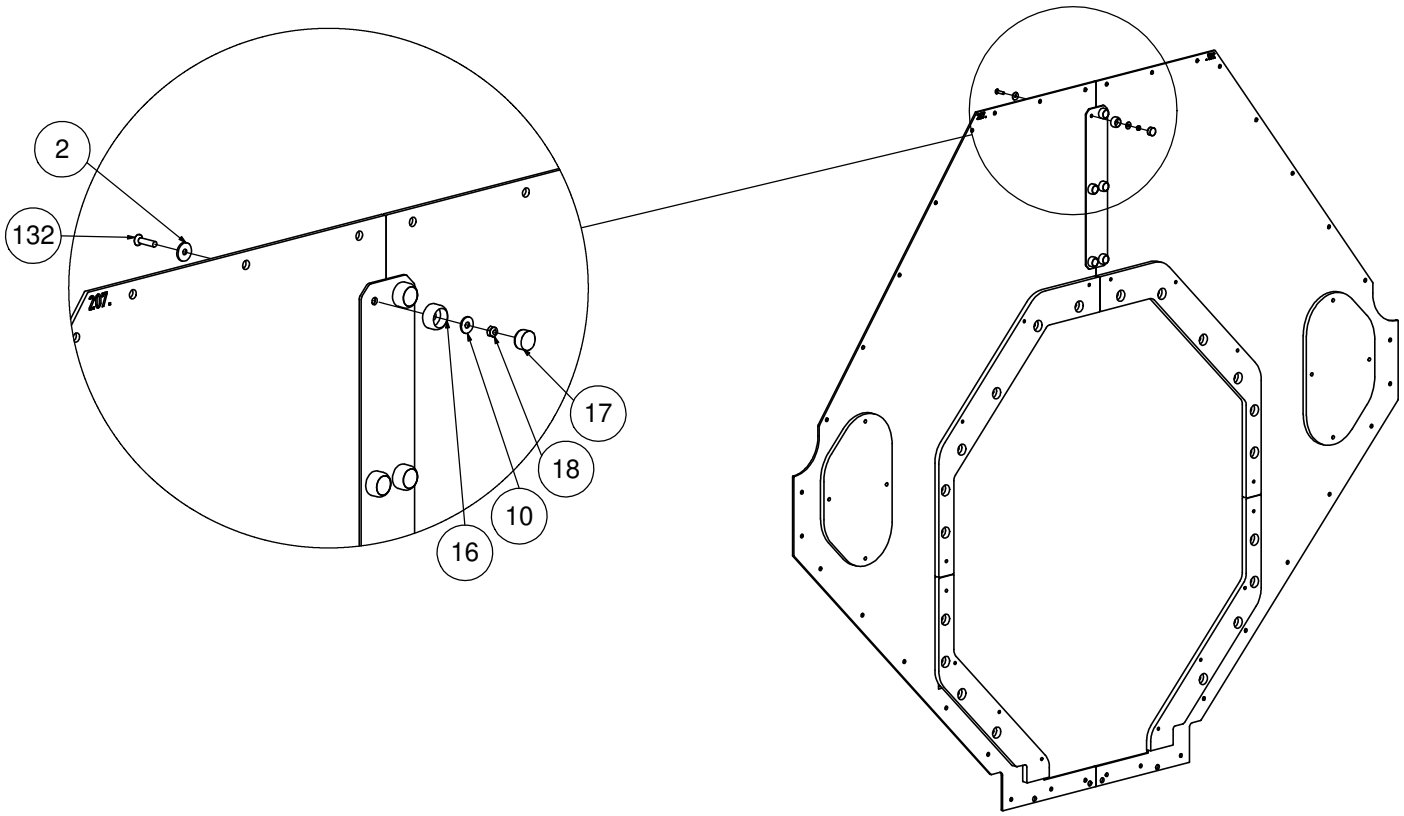
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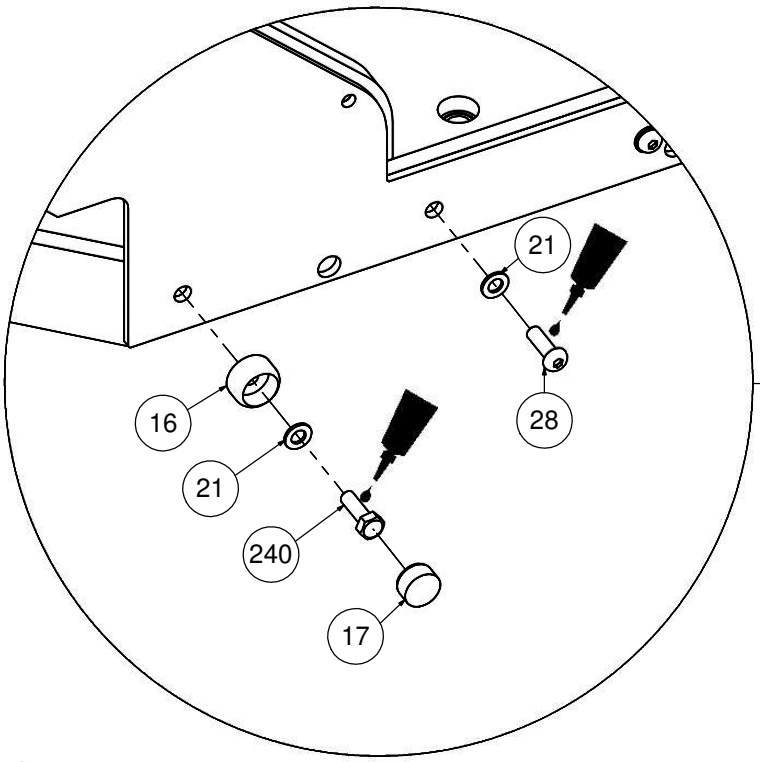
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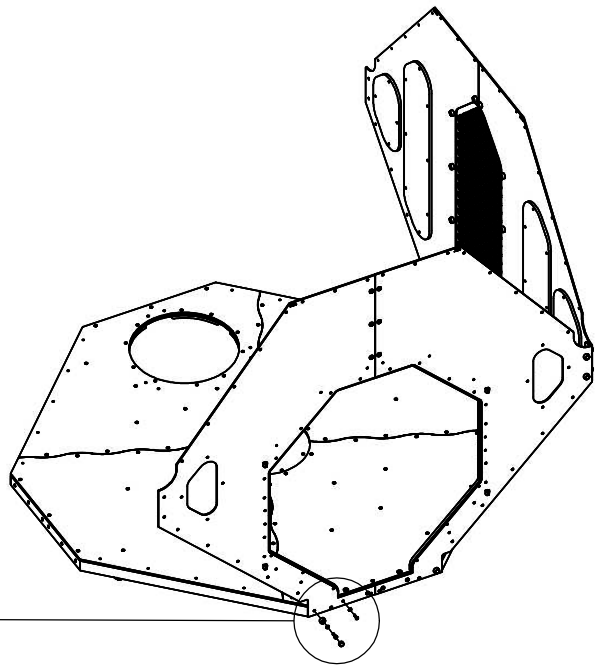
Nr	Σ	Element		
2	6		-	W6x60
10	6		DIN 9021	6x18
16	12		-	K1_d21_B
17	12		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
21	14		DIN 125	8x16
28	8		ISO 7380	M8x25
31	4		DIN 985	M8 (OC)
58	1		-	LOCTITE
132	6		DIN 7991	M6x25
240	2		DIN 933	M8x25 (OC)

1

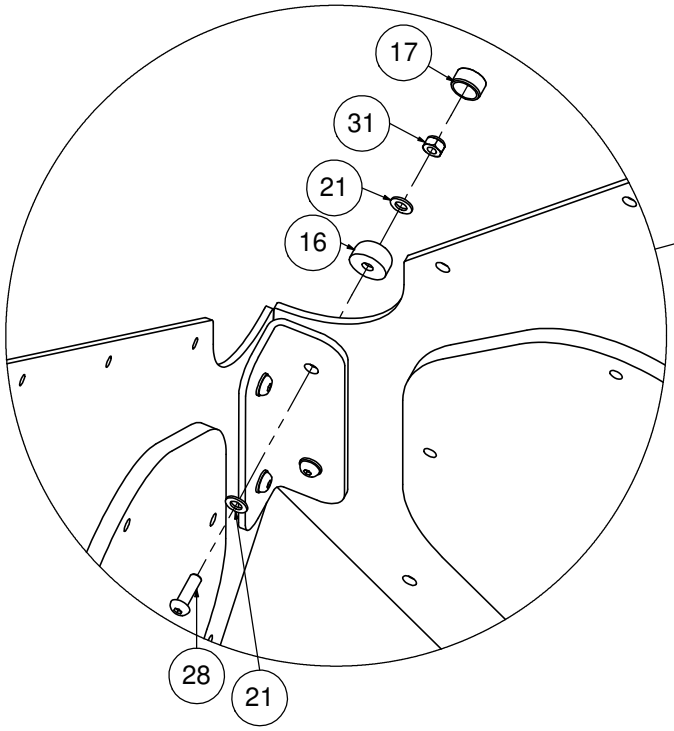


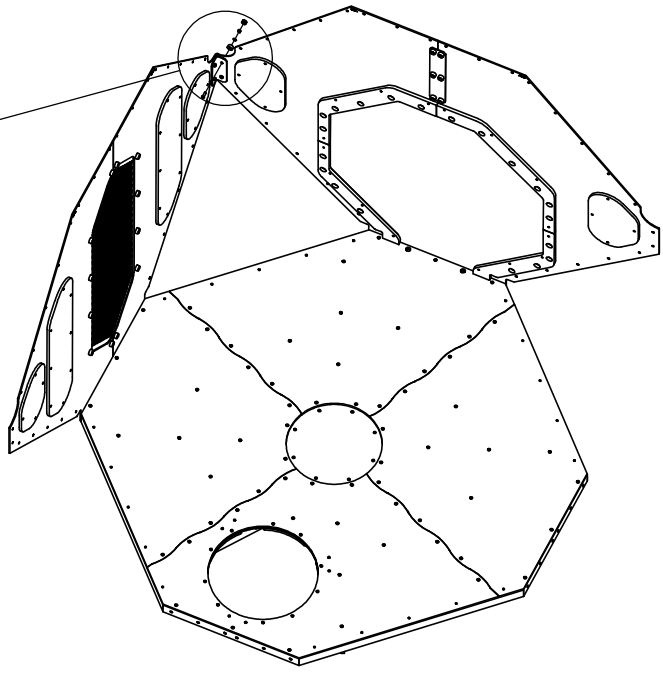
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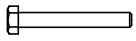
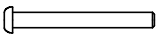
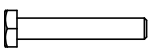


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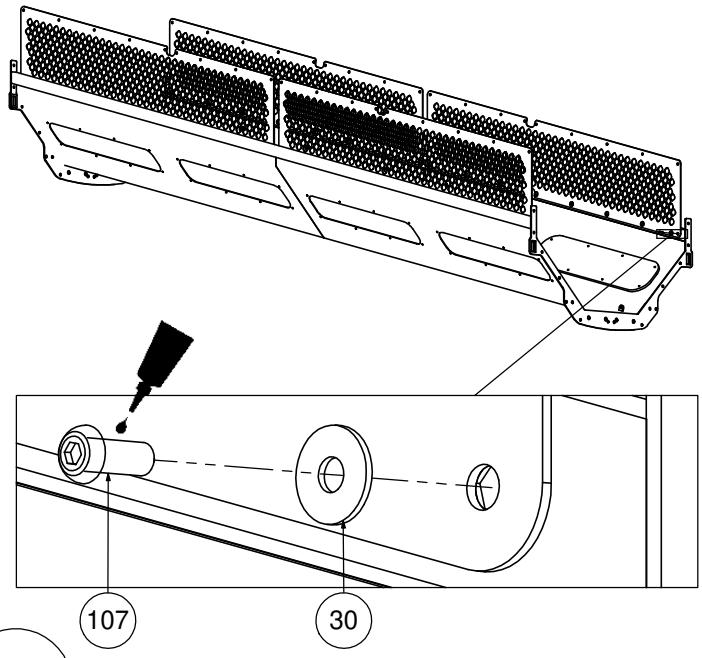




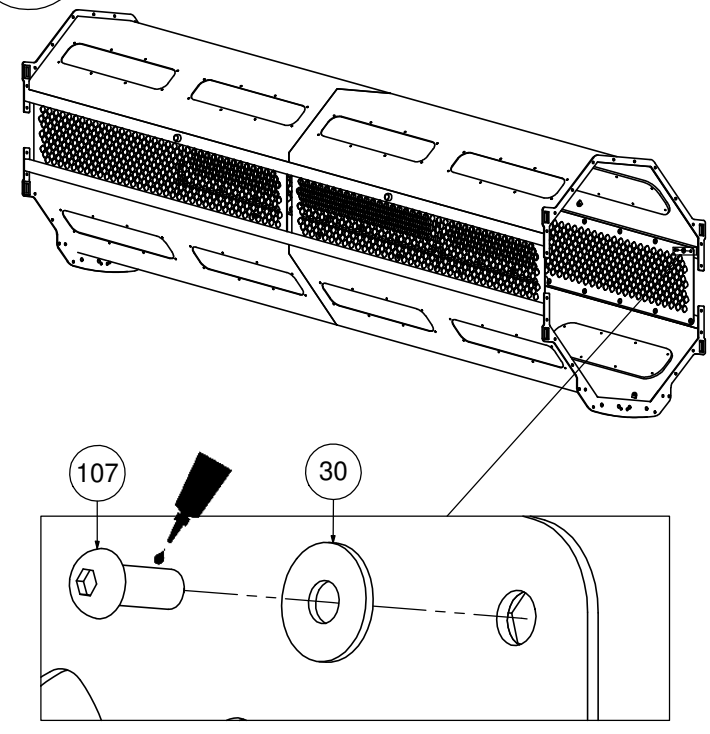
INST_14_98

Nr	Σ	Element		
3	8		-	K2_d30_B
5	4		DIN 985	M10
6	8		-	Z2_d30_B
9	40		ISO 7380	M6x25
10	80		DIN 9021	6x18
16	48		-	K1_d21_B
17	48		-	Z1_d21_B
18	40		DIN 985	M6 (OC)
21	18		DIN 125	8x16
30	72		DIN 9021	8x24
31	12		DIN 985	M8 (OC)
32	4		DIN 931	M8x60
41	4		ISO 7380	M8x75
43	2		DIN 1587	M8
45	4		ISO 7380	M8x30
58	1		-	LOCTITE
74	1		DIN 985	M12 (OC)
103	8		DIN 9021	10x30
107	64		ISO 7380	M8x20
215	2		DIN 7991	M8x30
466	4		DIN 933	M10x60

1

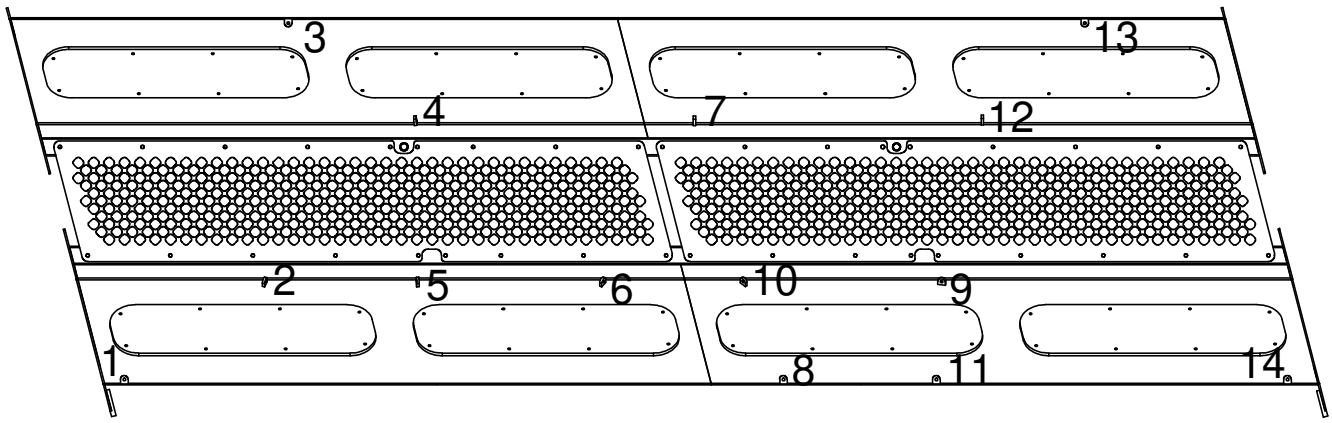


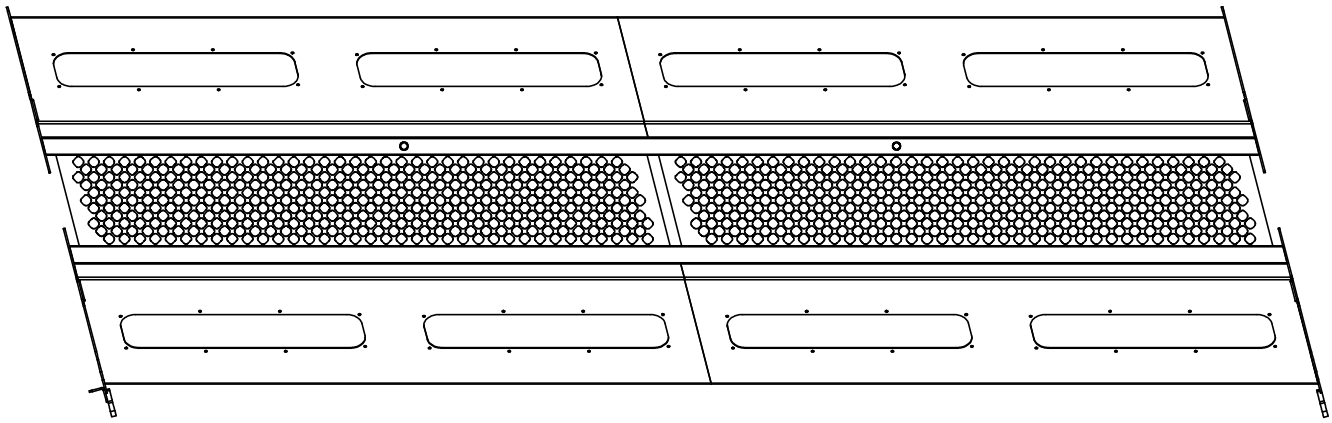
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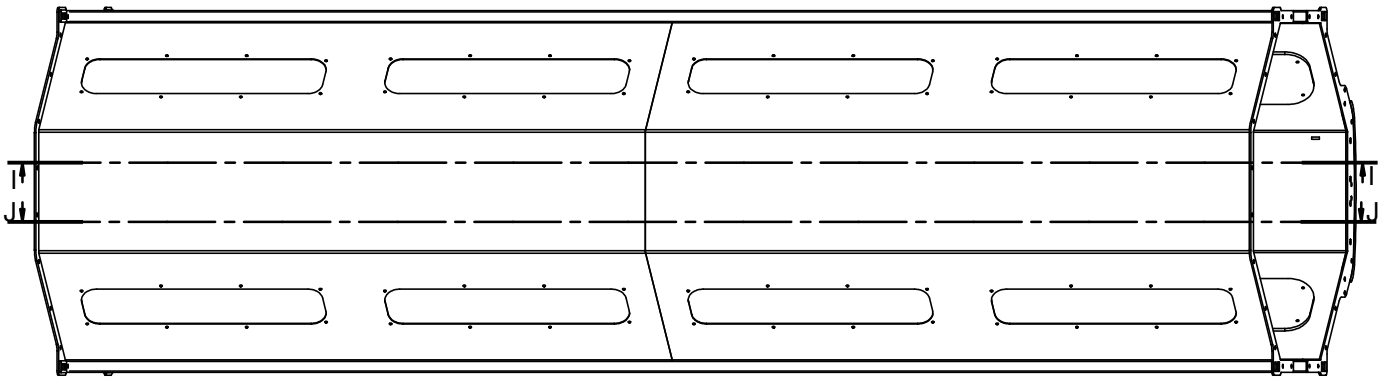


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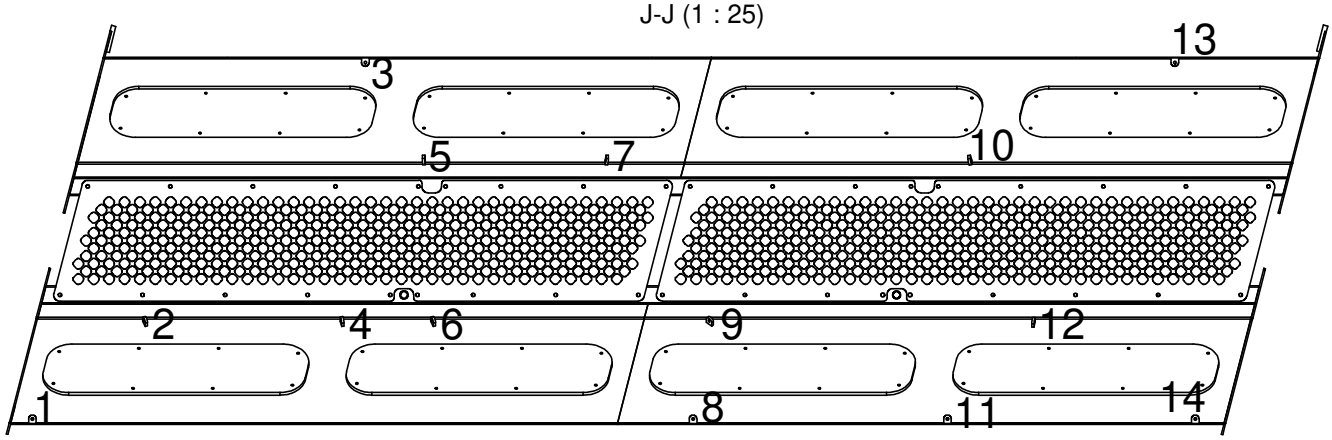
I-I (1 : 25)



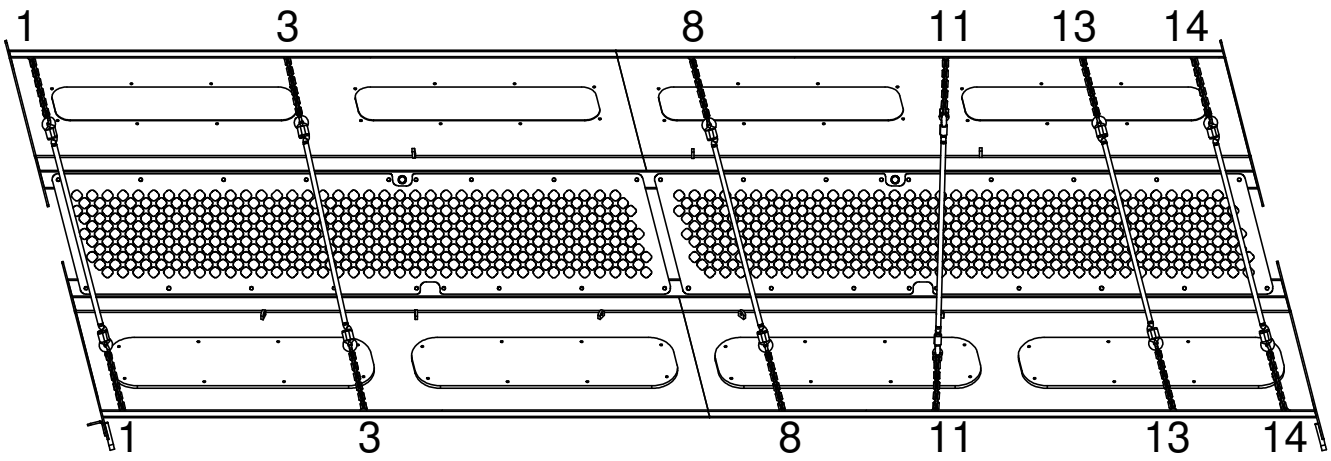


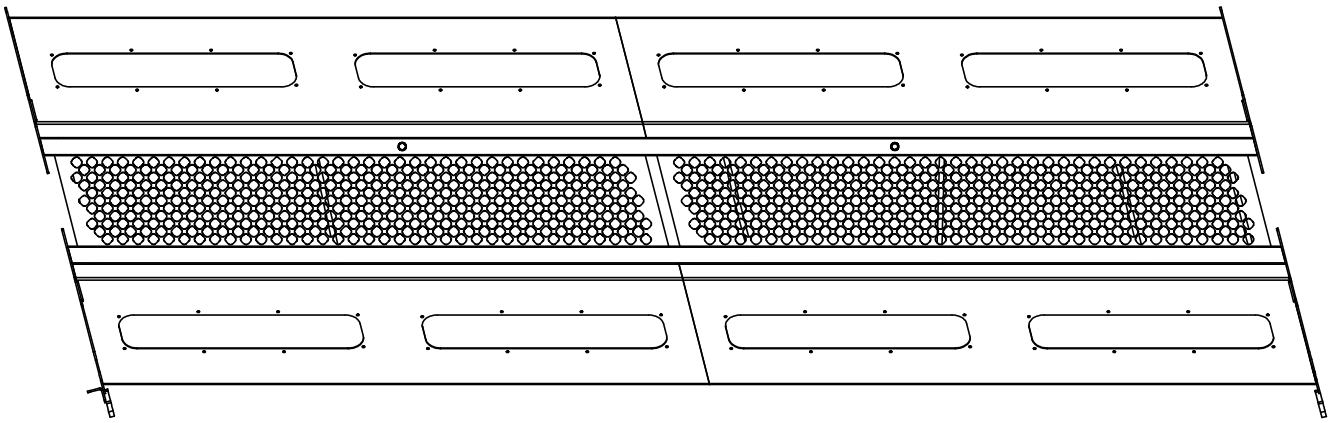


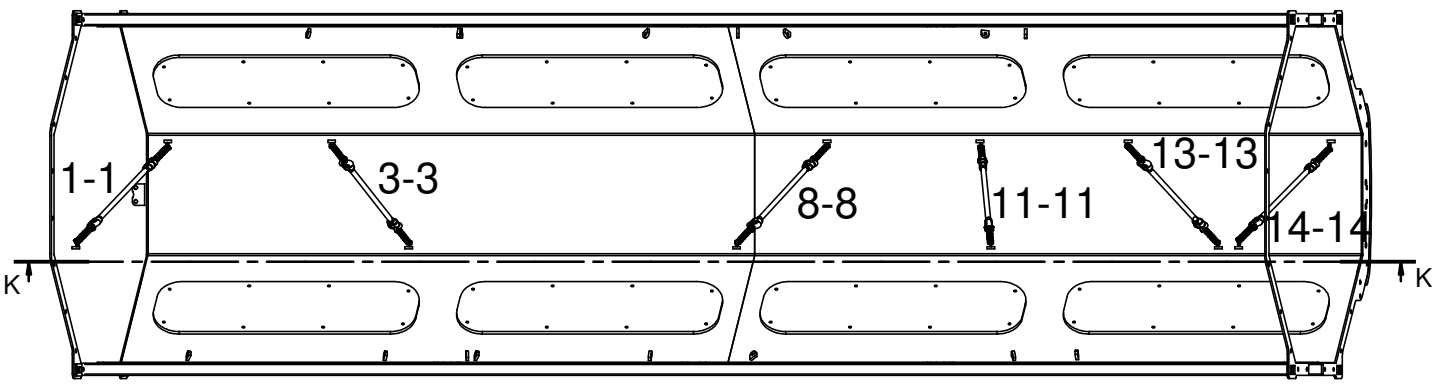
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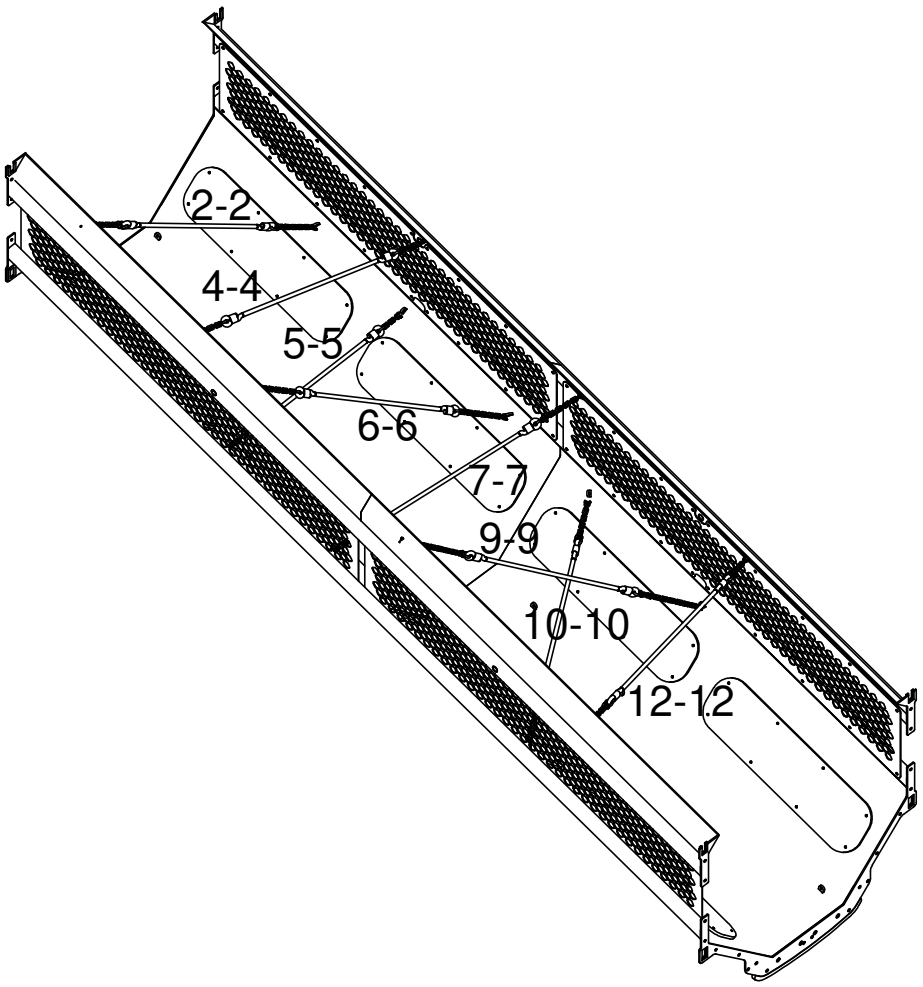


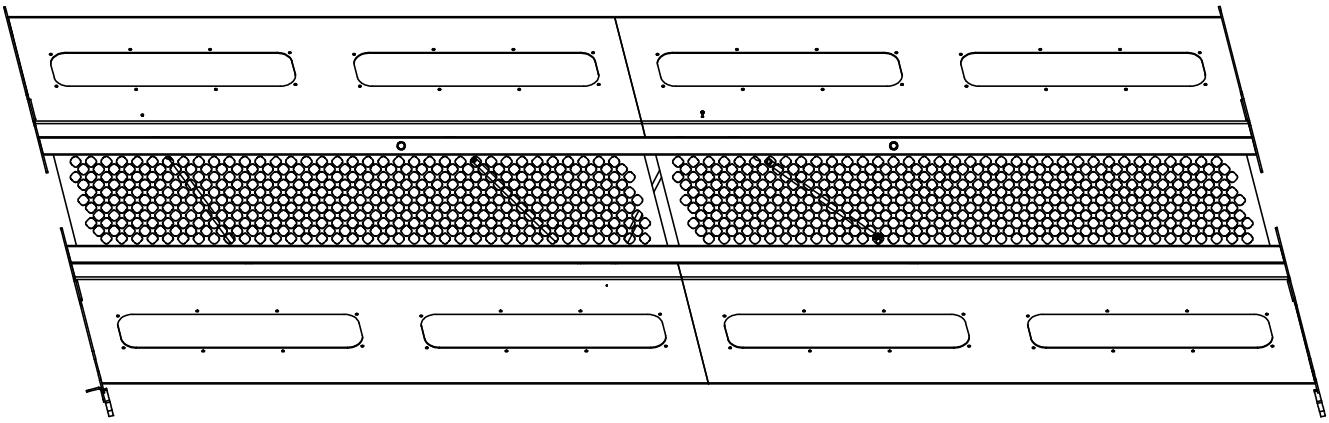
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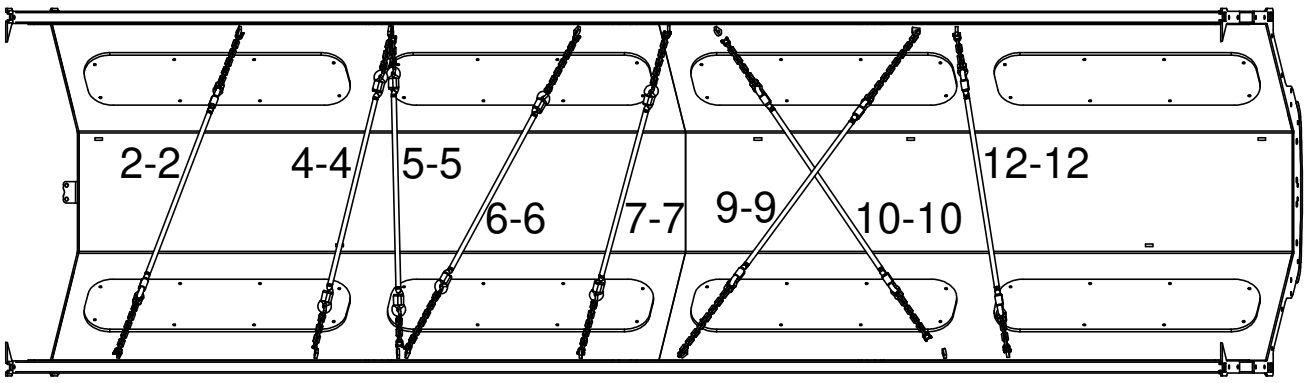




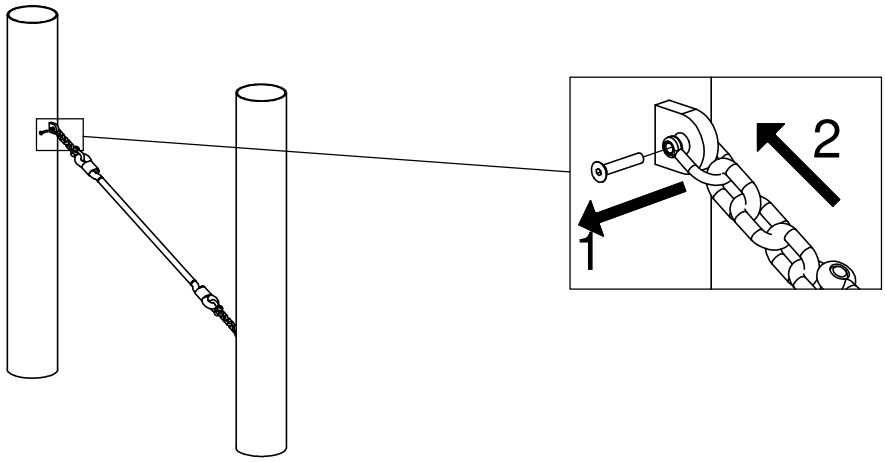



2-2
4-4
5-5
6-6
7-7
9-9
10-10
12-12

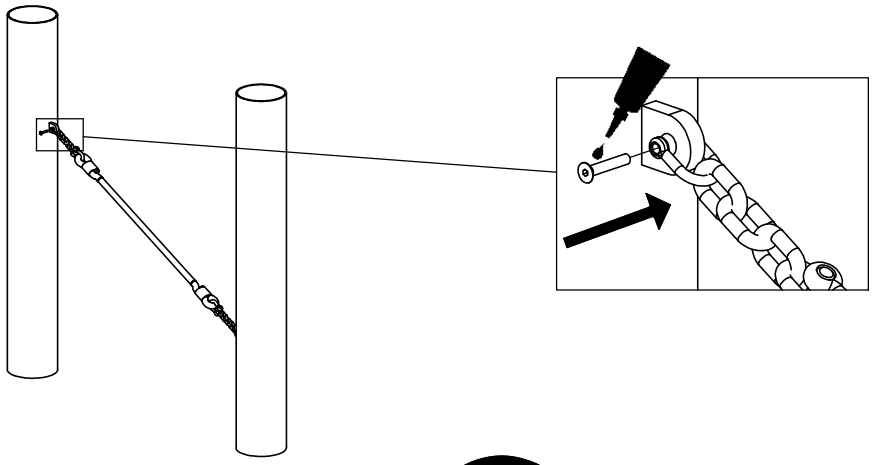



2-2
4-4
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6-6
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9-9
10-10
12-12

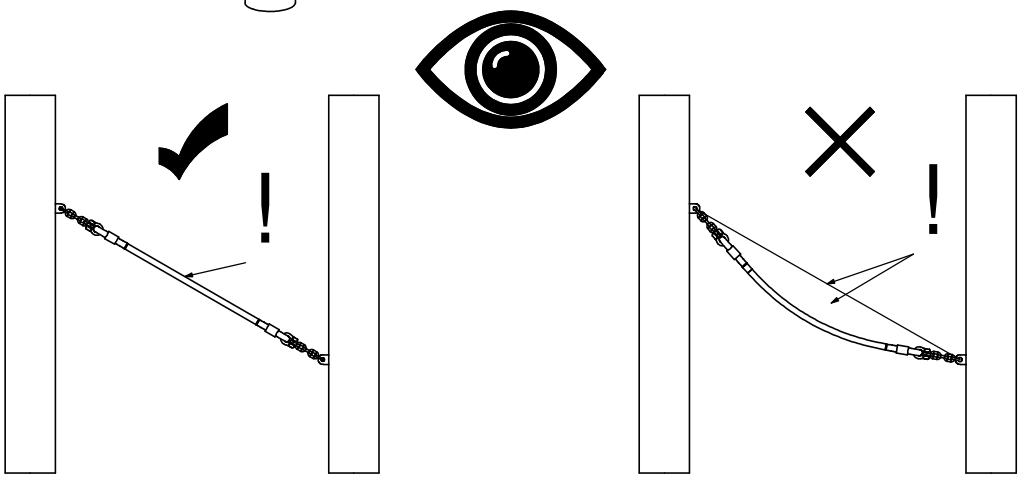
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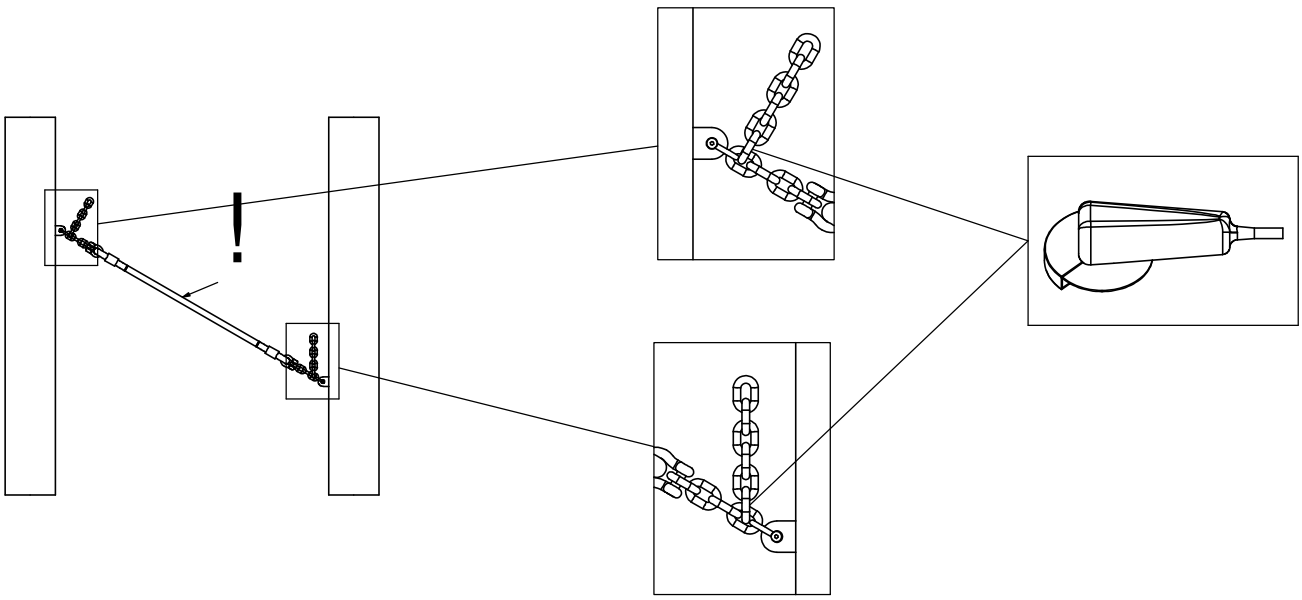
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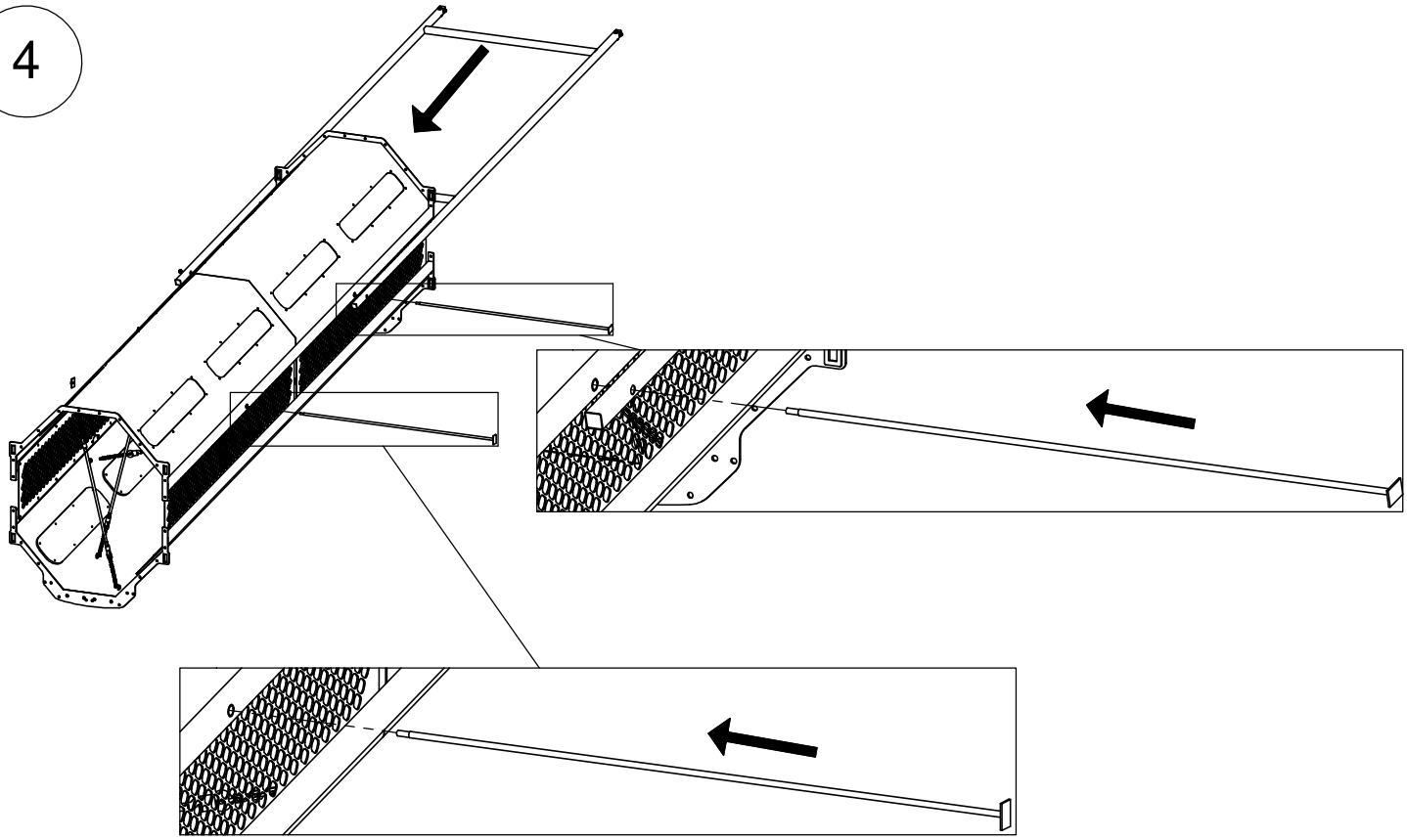
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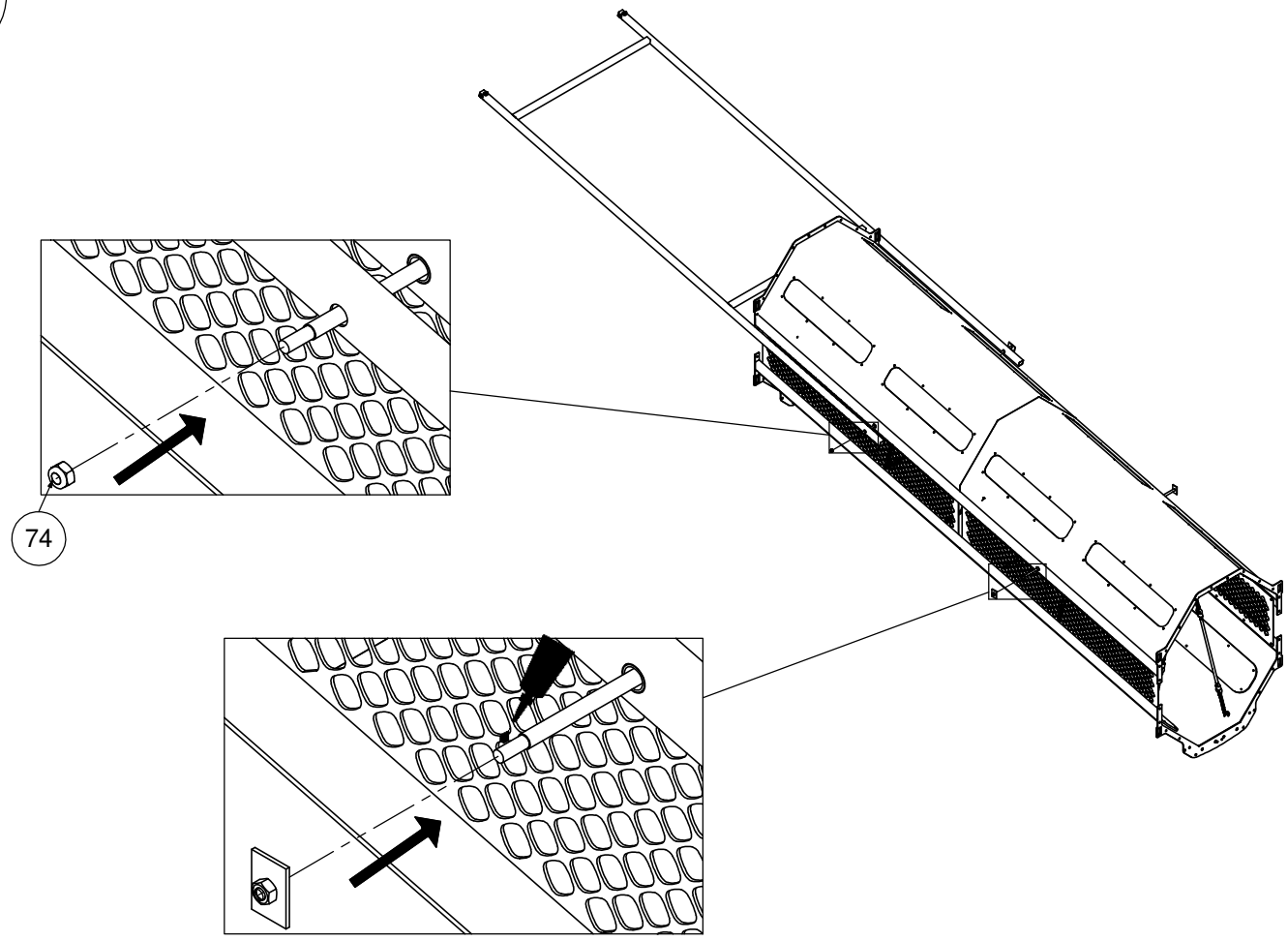
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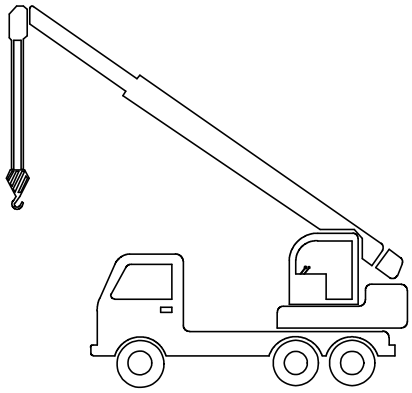
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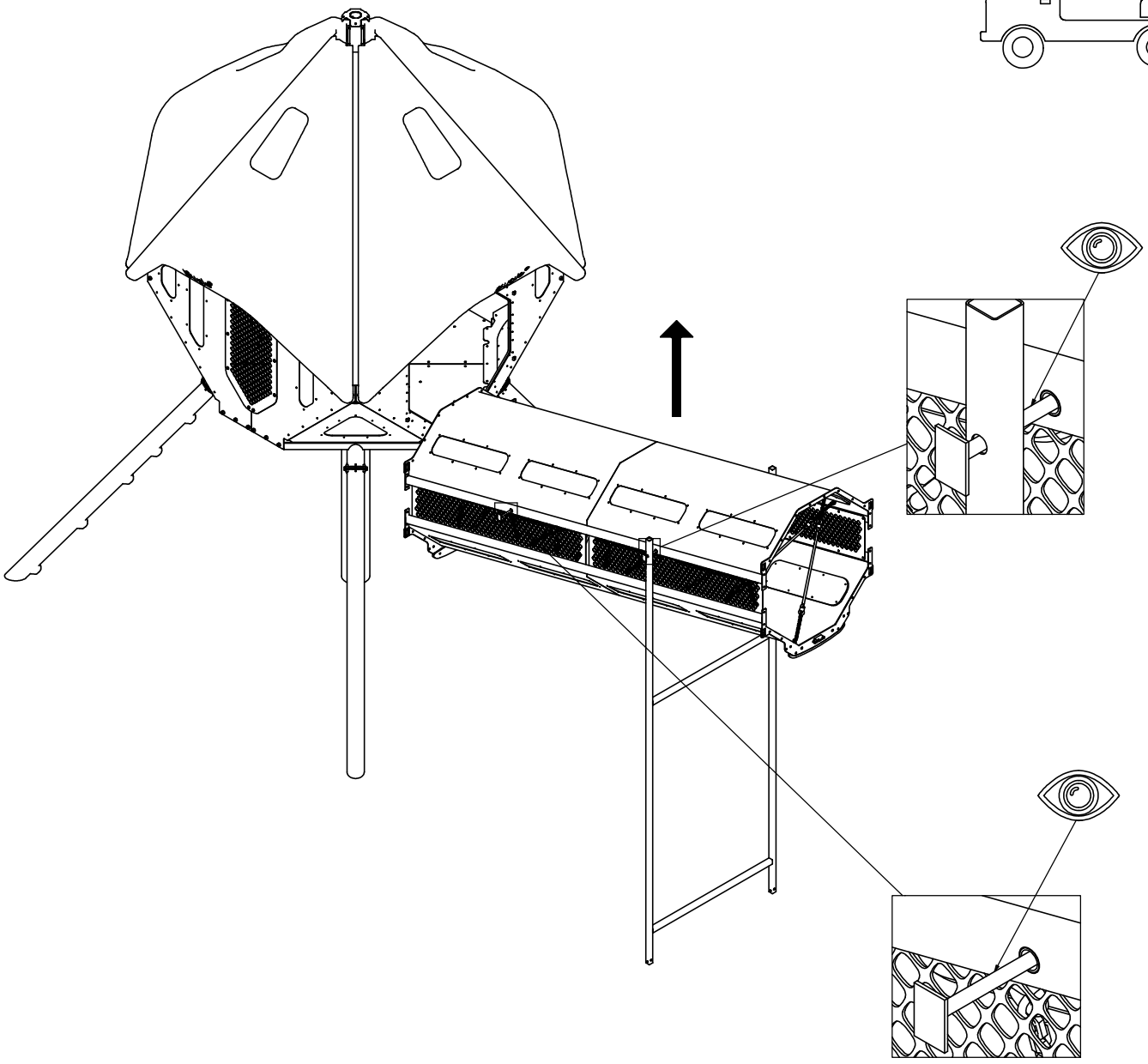


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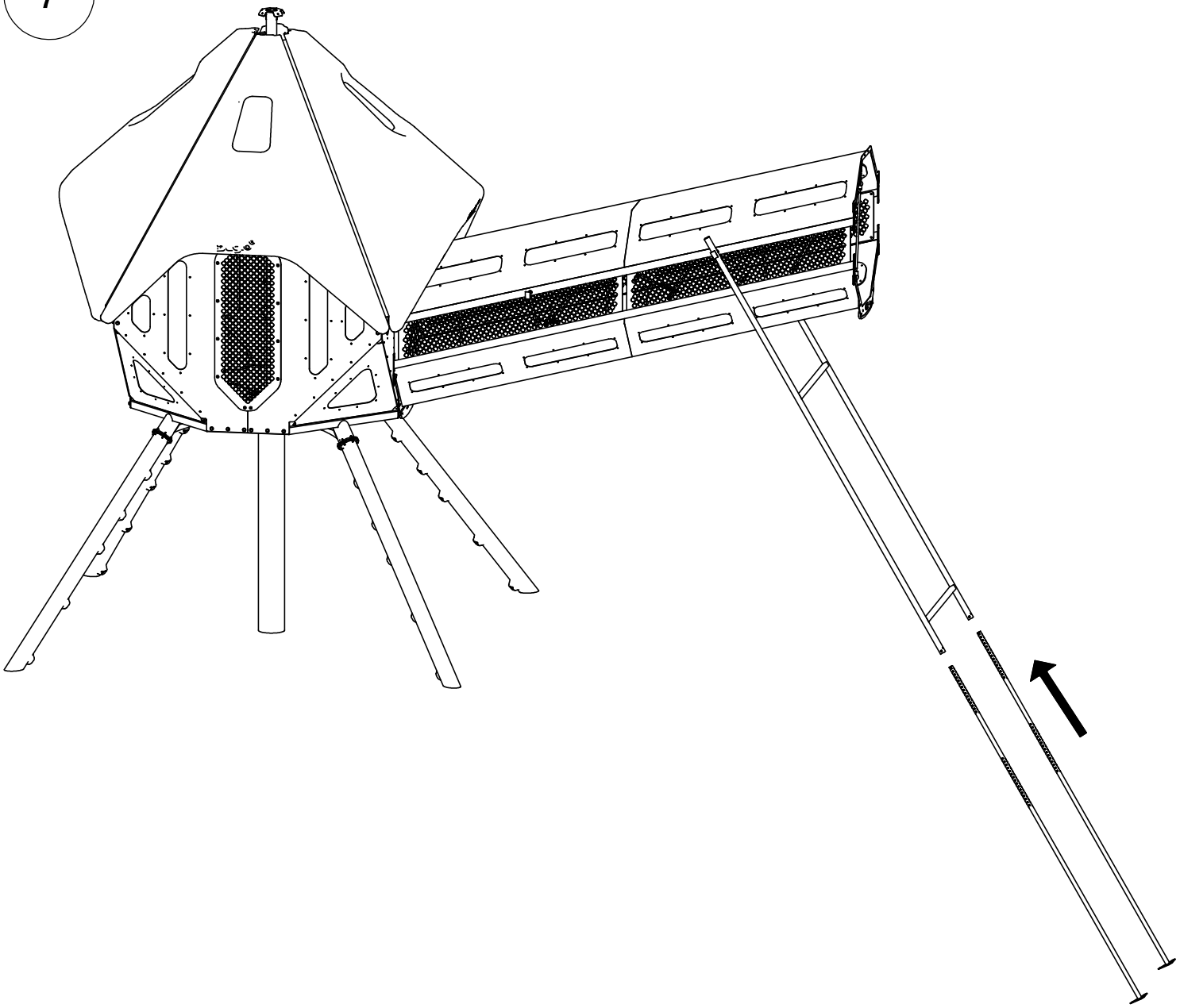


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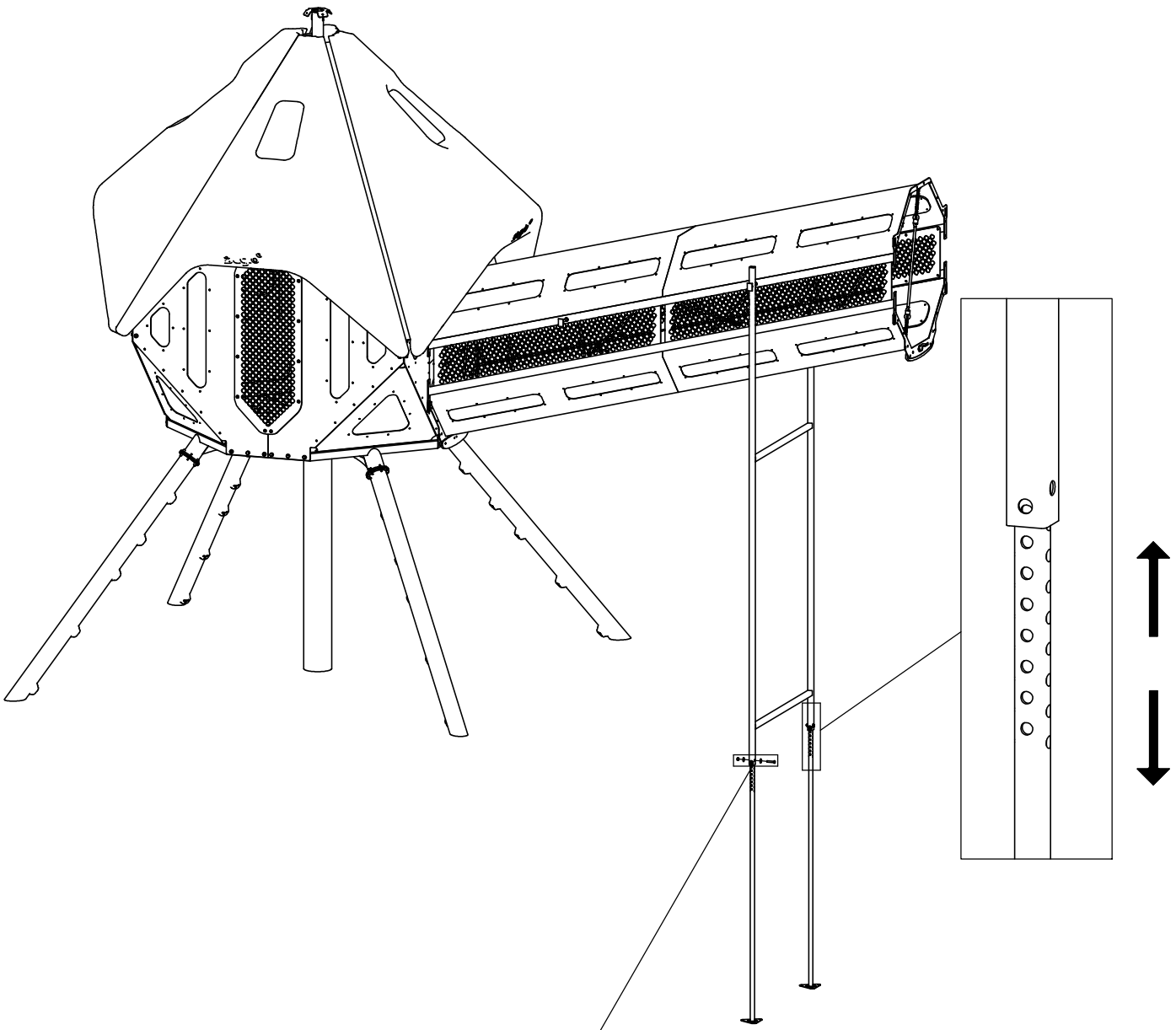


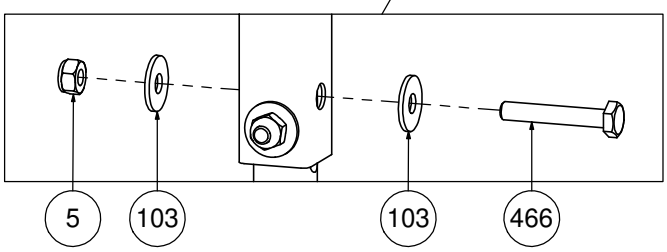


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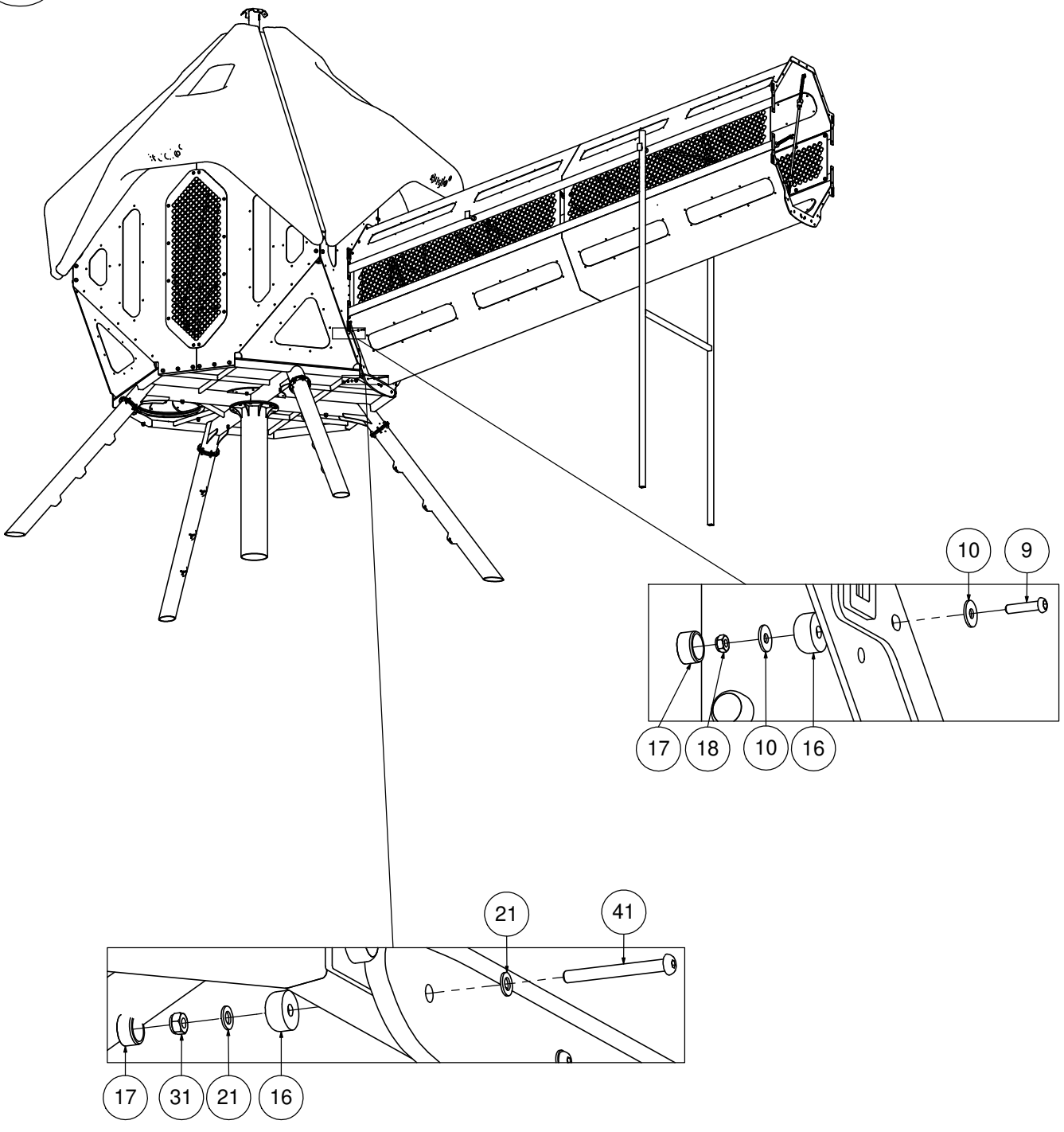


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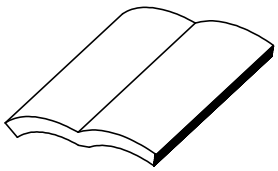




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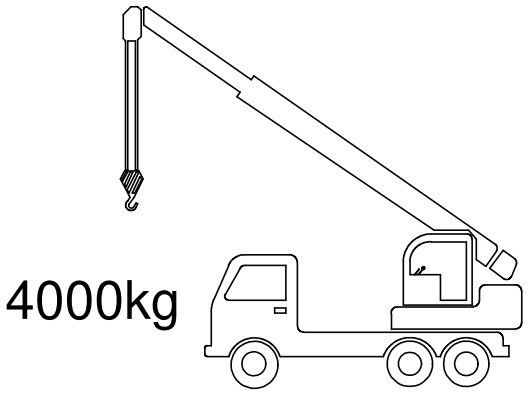


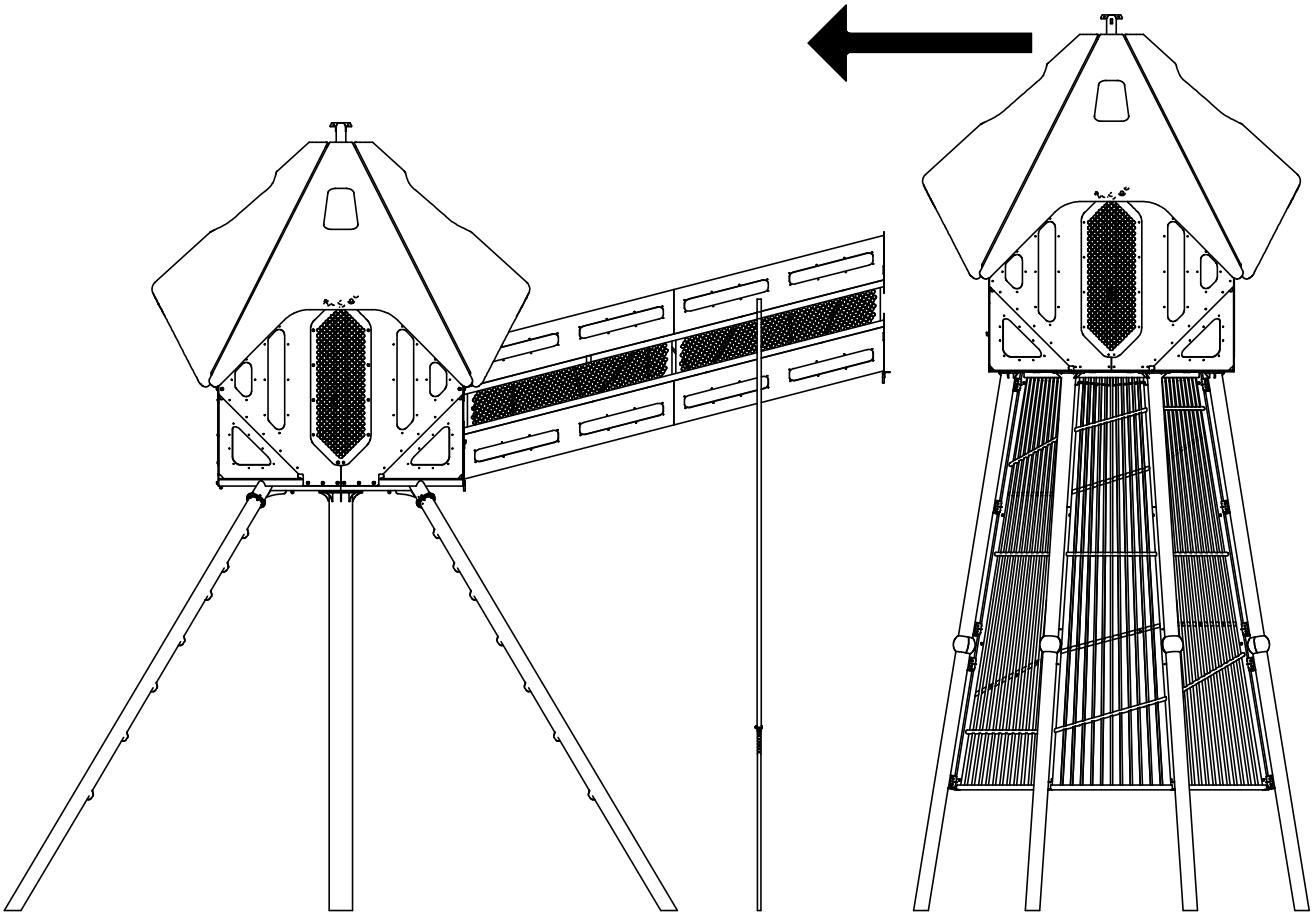
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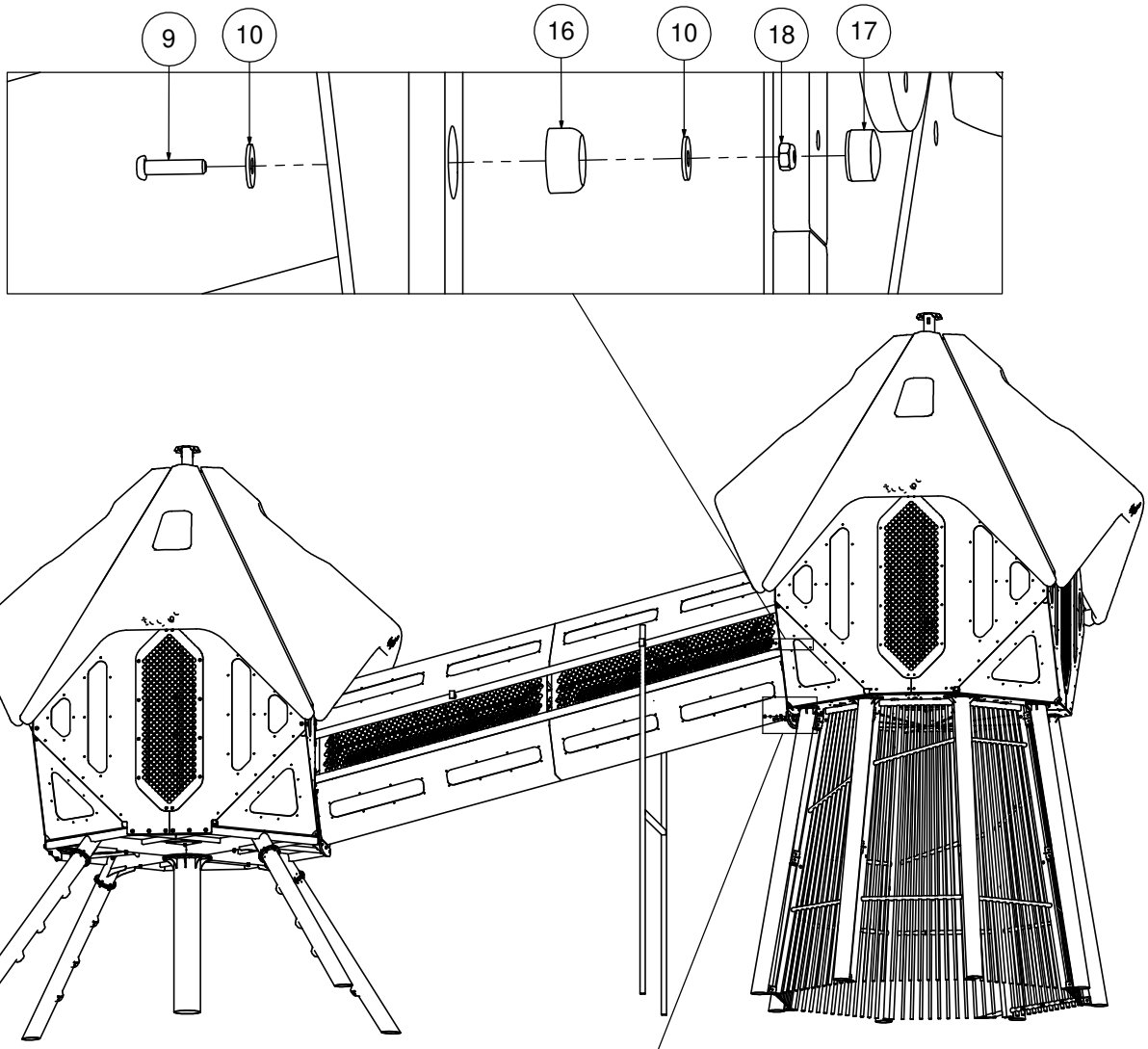
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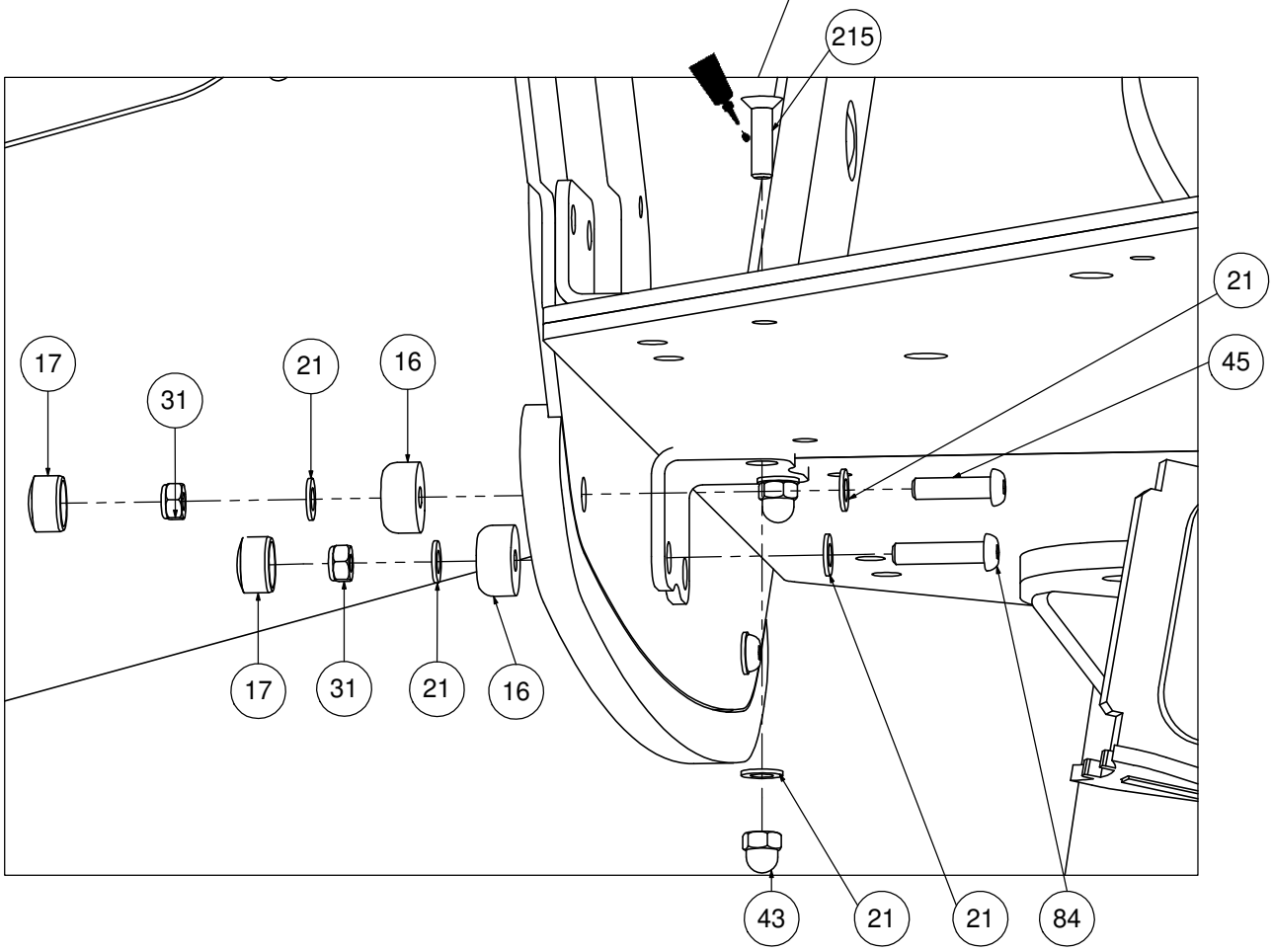
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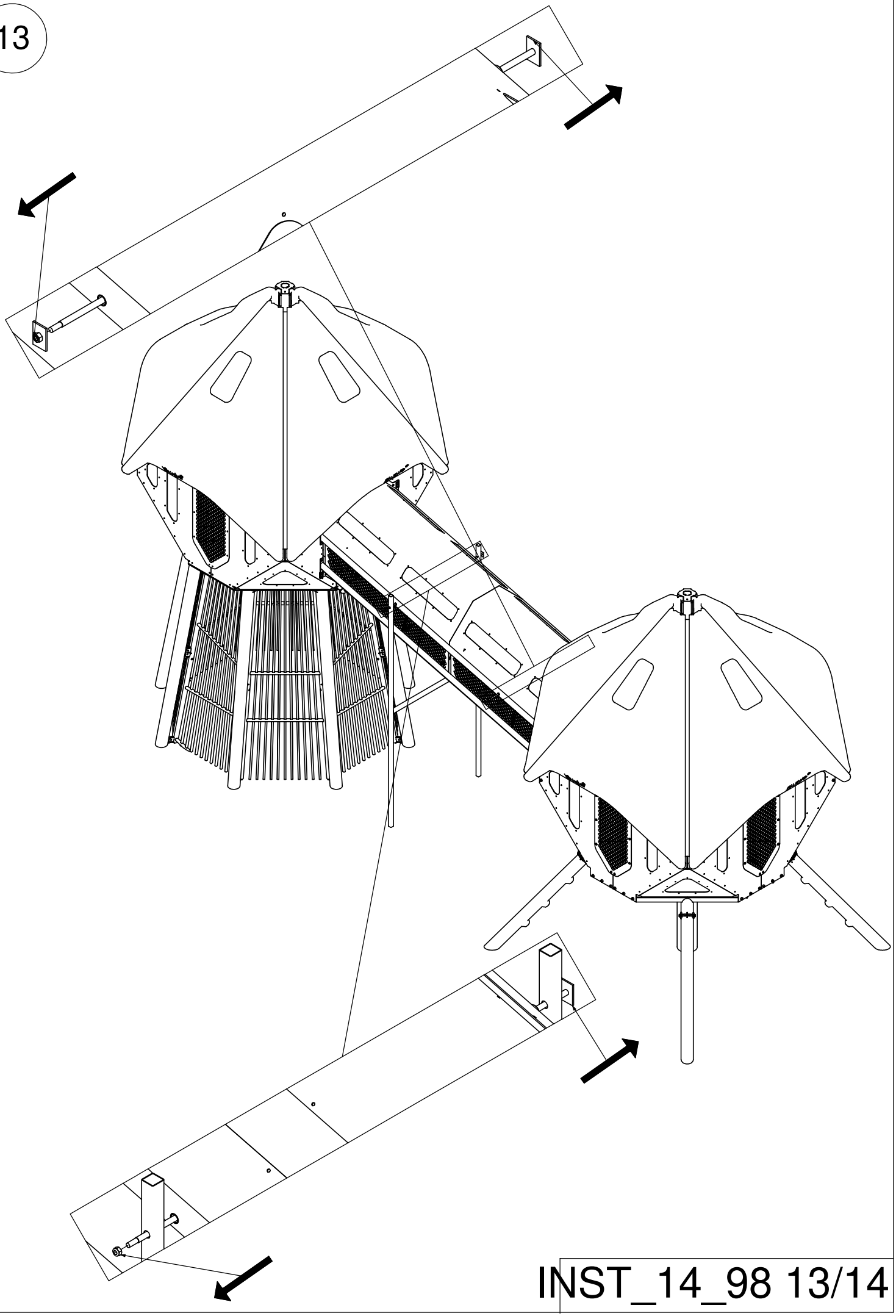


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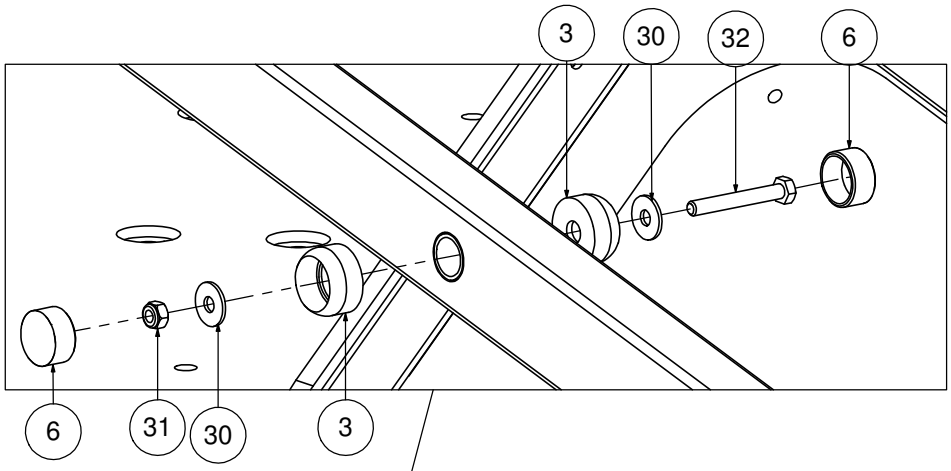


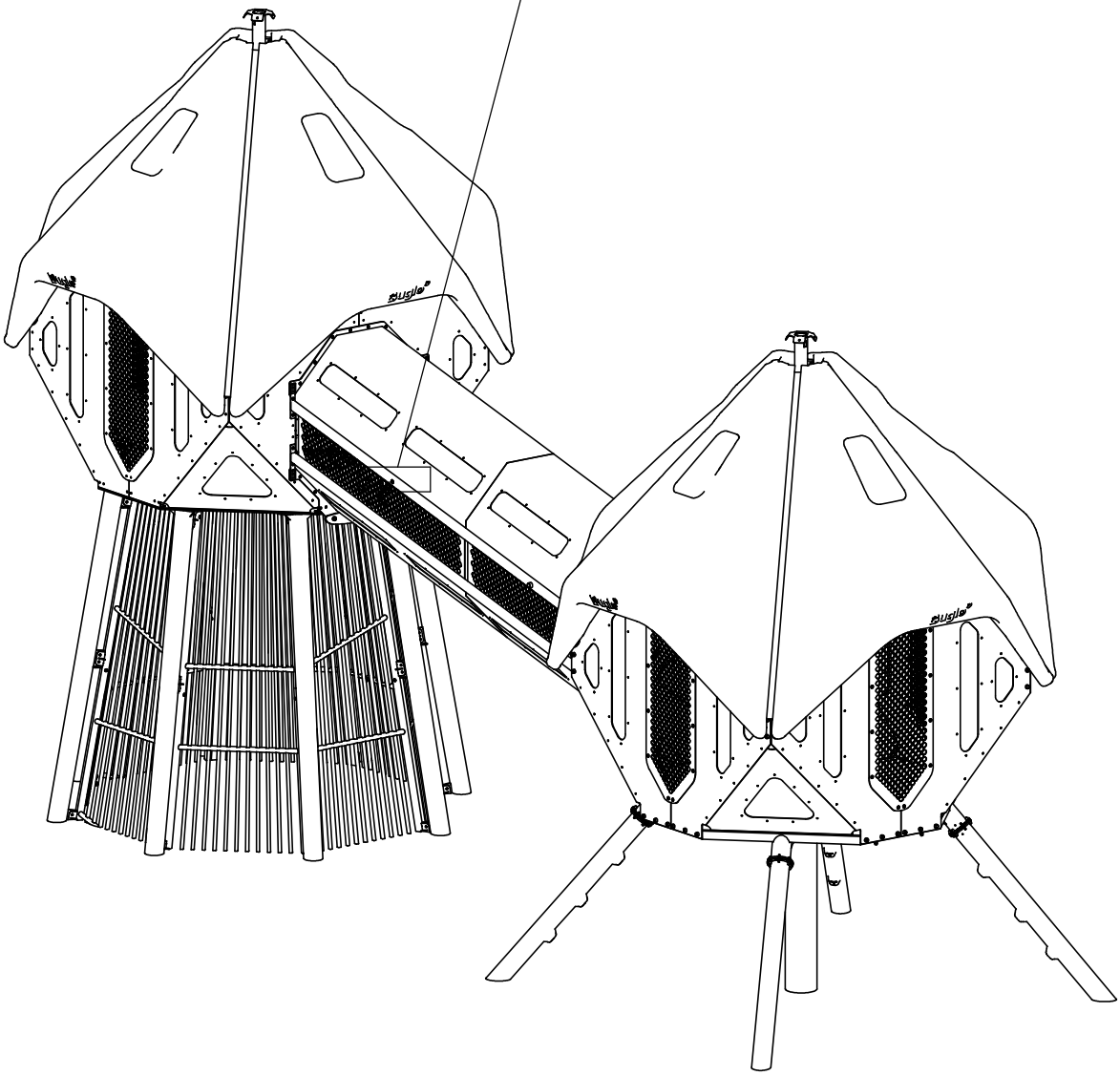


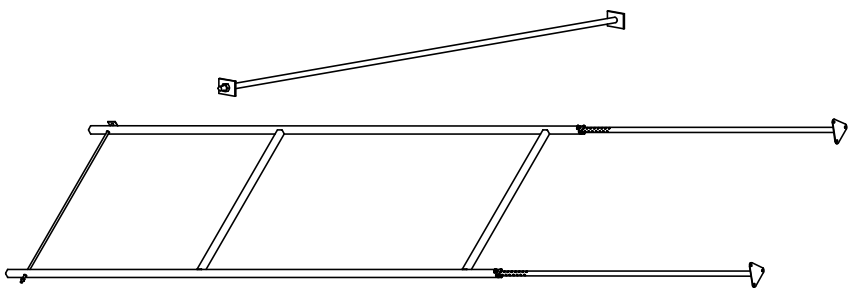
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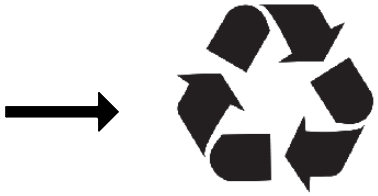


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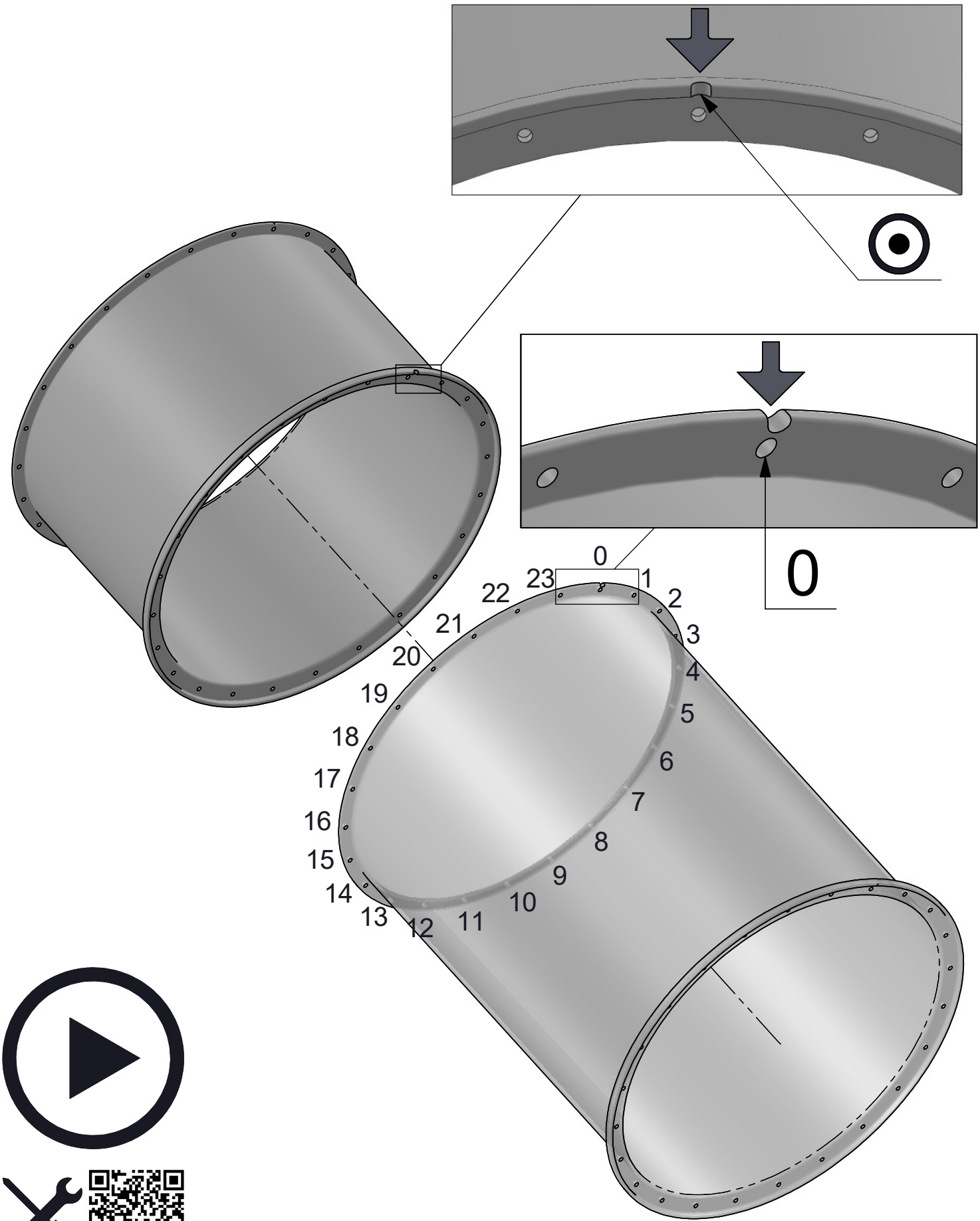








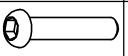
INST_MTS_2

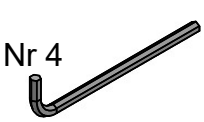


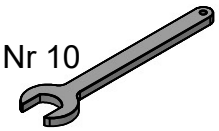
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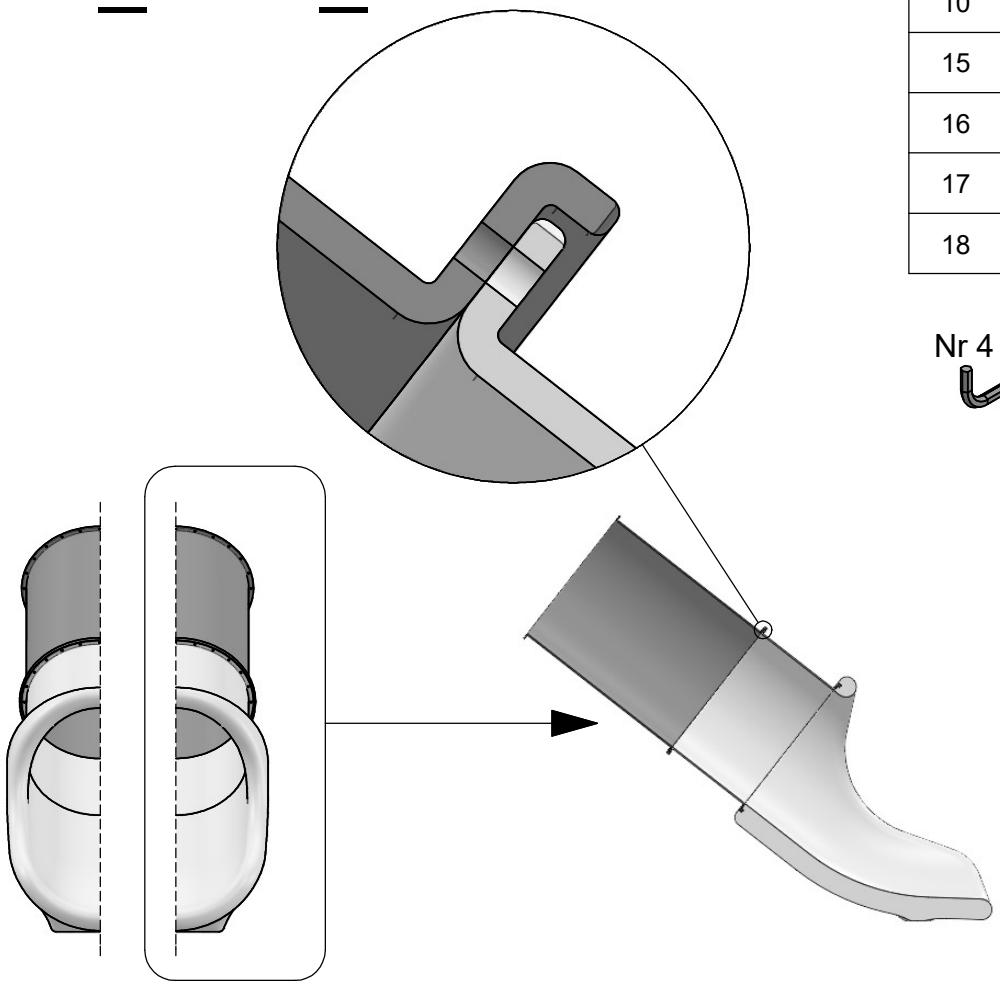
MANUAL

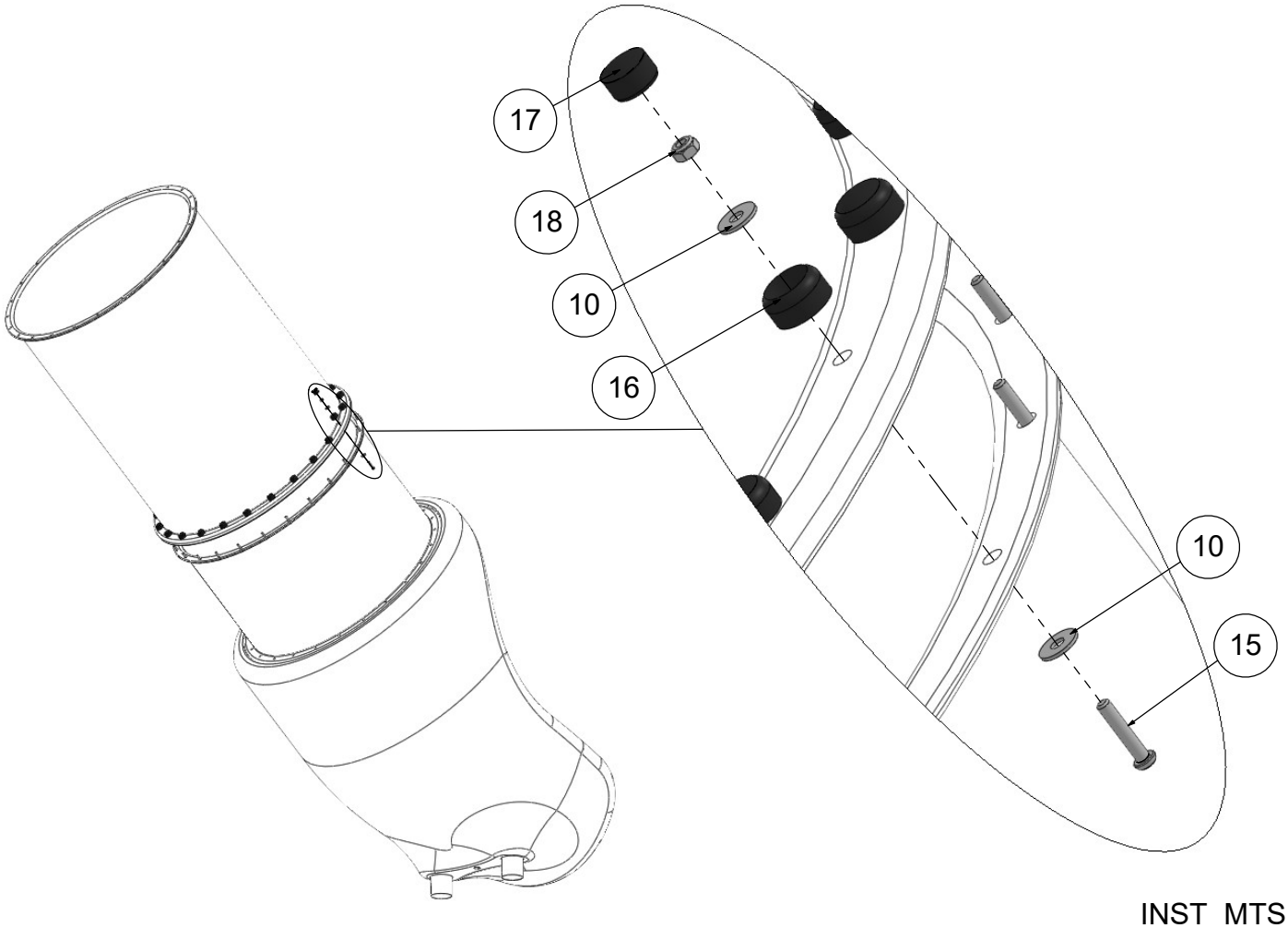
INST_MTS_3

Nr	Element	DIN	ELEMENT
10		DIN 9021	6x18
15		ISO 7380	M6x30
16		-	K1_d21_B
17		-	Z1_d21_B
18		DIN 985	M6

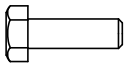




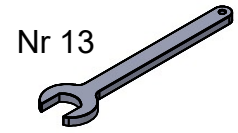


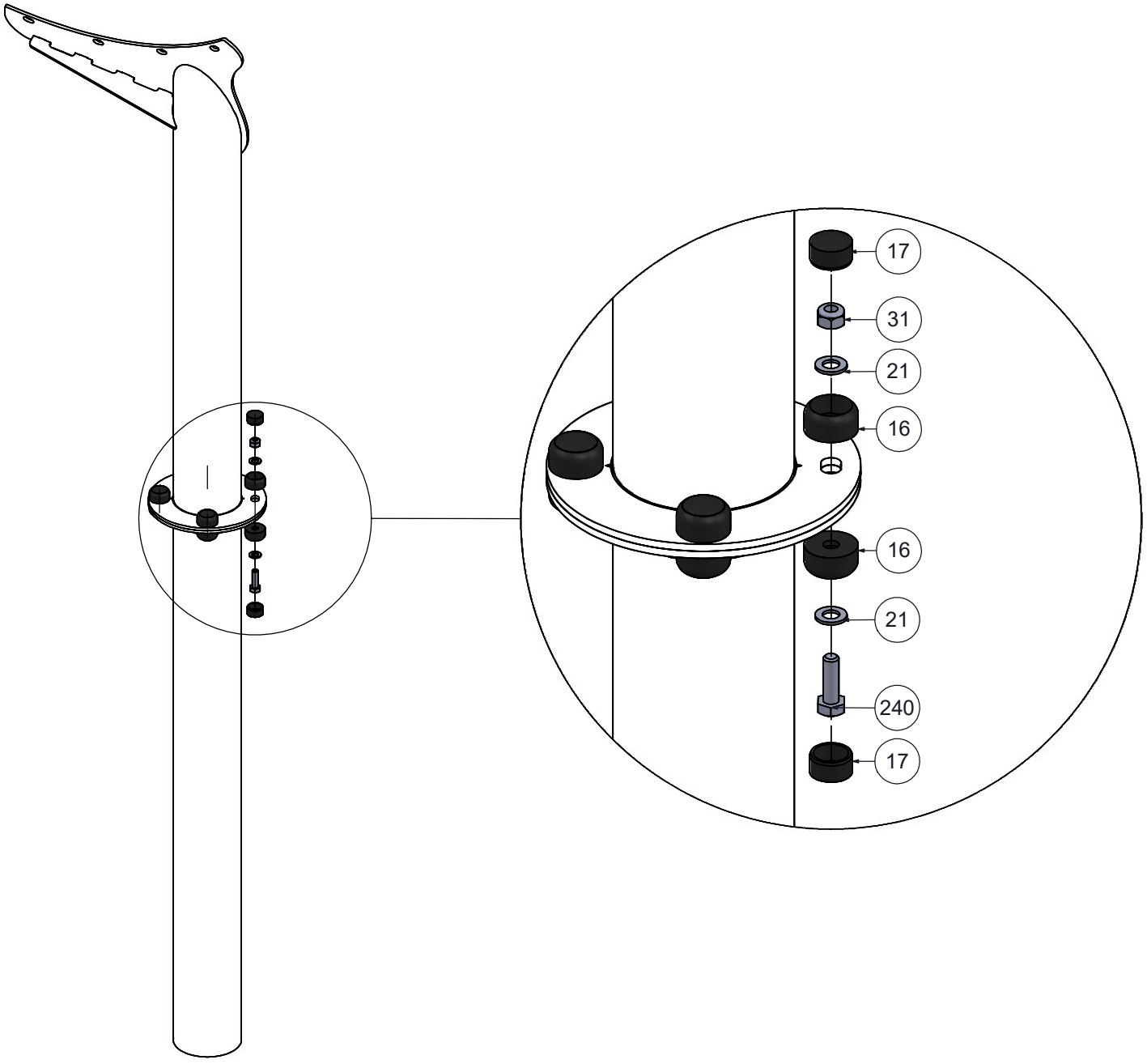


INST_MTS_7

Nr	Element		
16		-	K1_d21_B
17		-	Z1_d21_B
21		DIN 125	8x16
31		DIN 985	M8 (OC)
240		DIN 933	M8x25 (OC)

Nr 13

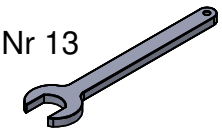


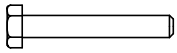
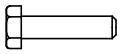


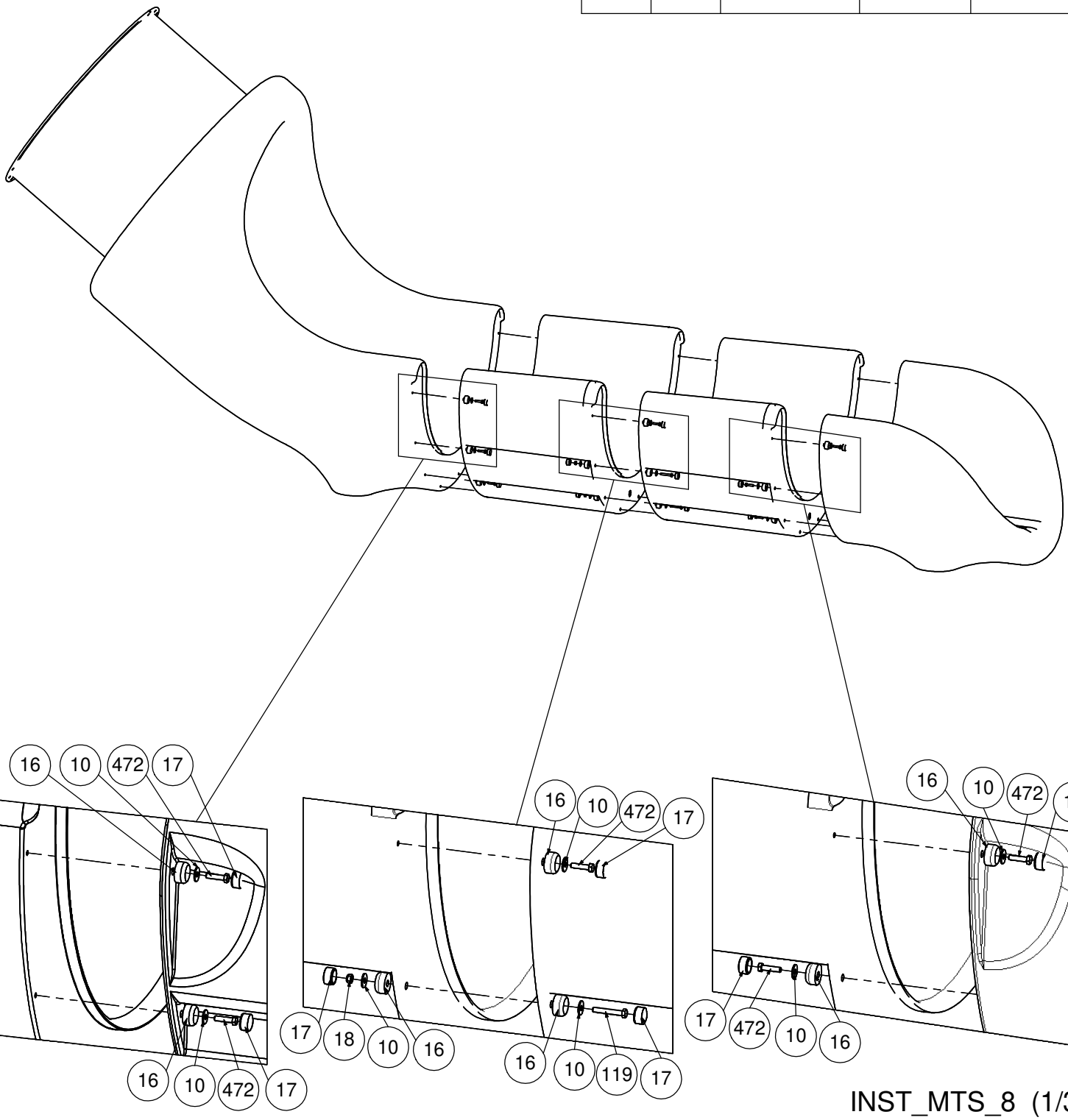
INST_MTS_8

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Nr 13

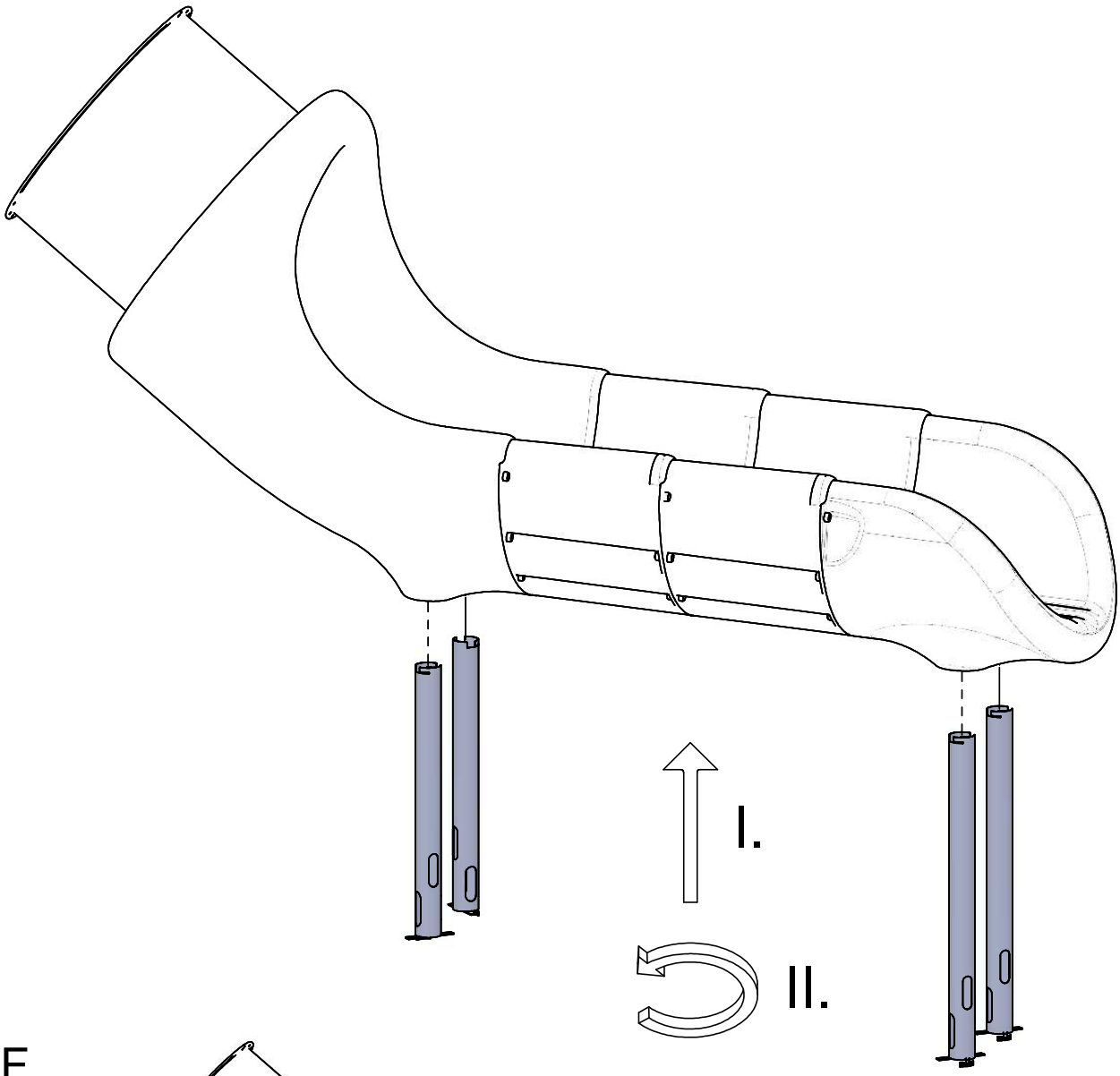


Nr	Σ	Element		
10	30		DIN 9021	6x18
16	30		-	K1_d21_B
17	30		-	Z1_d21_B
18	6		DIN 985	M6 (OC)
119	6		DIN 933	M6x40 (OC)
472	18		DIN 933	M6x25 (OC)

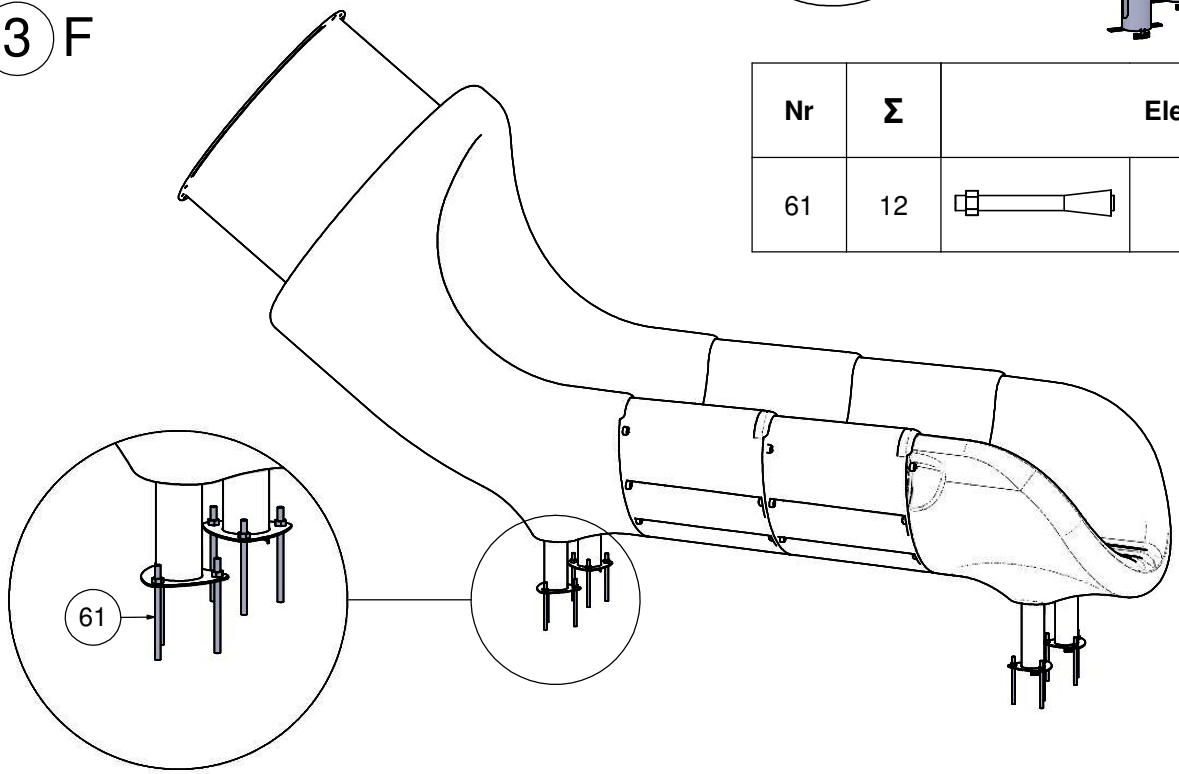


INST_MTS_8

2



3 F



Nr	Σ	Element		
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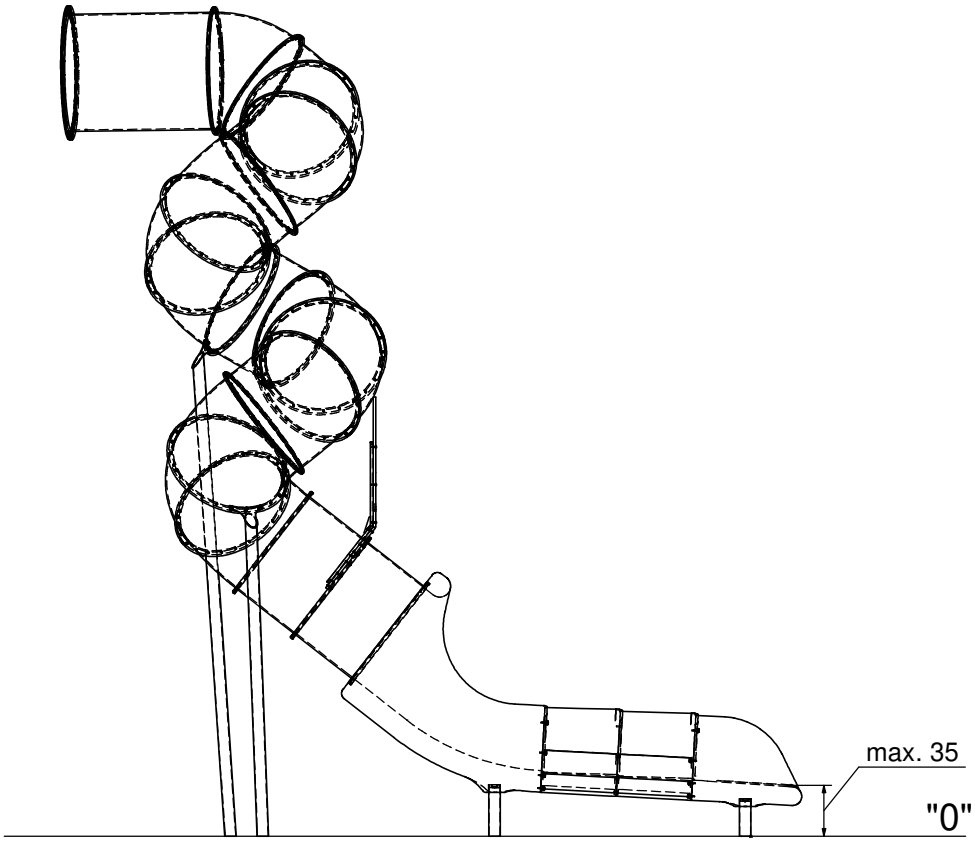
Nr 17

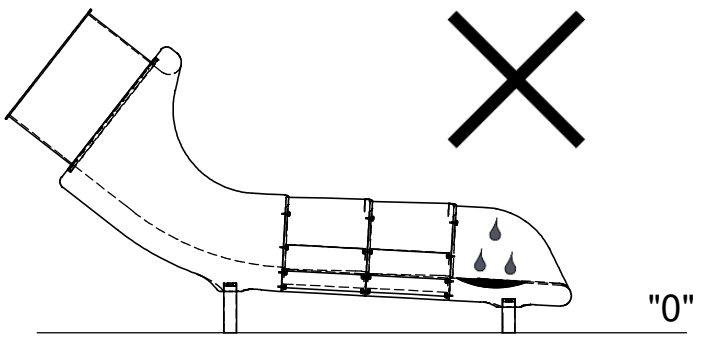


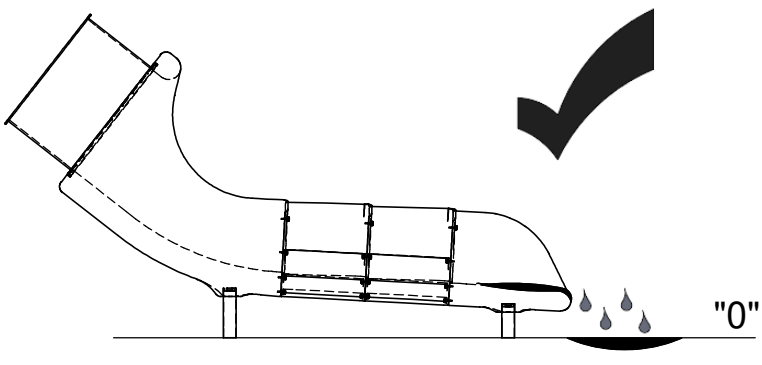
INST_MTS_8

[cm]

3





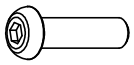


INST_MTS_9

N F*





Nr	Σ	Element		
21	8		DIN 125	8x16
43	4		DIN 1587	M8
45	4		ISO 7380	M8x30
58	1		-	LOCTITE

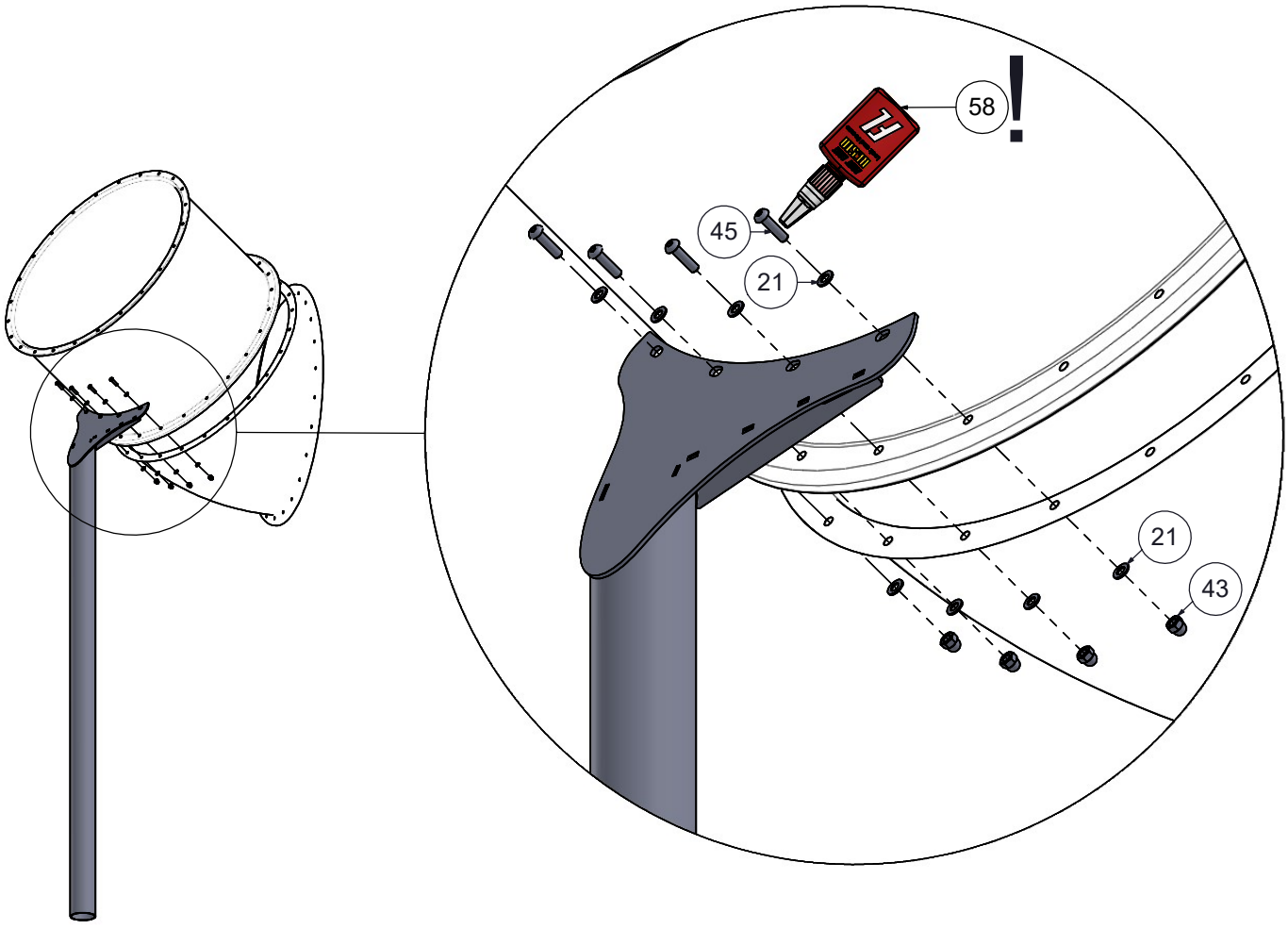
Nr 13, 17, 19



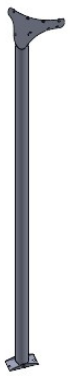
Nr 5



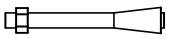
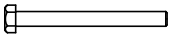
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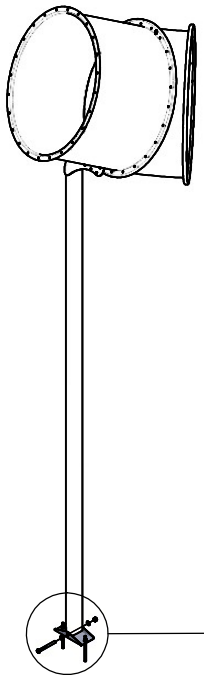


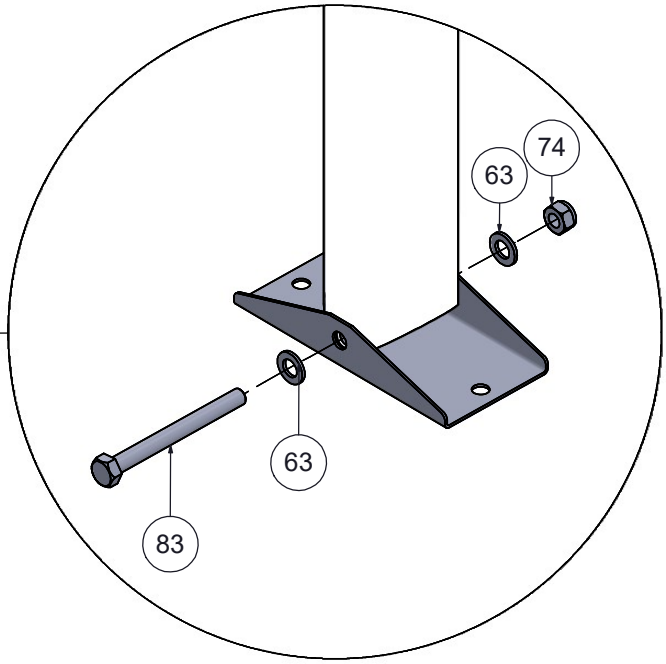
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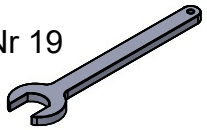
2F*

Nr	Σ	Element		
61	2		-	KL105 (OC)
63	2		DIN 125	12x24
74	1		DIN 985	M12 (OC)
83	1		DIN 931	M12x120 (OC)

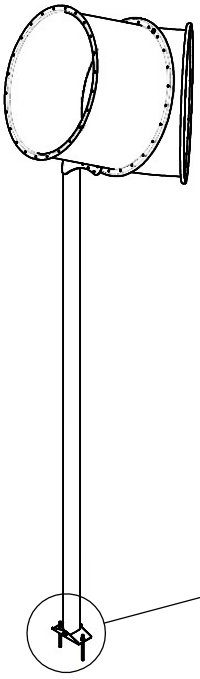


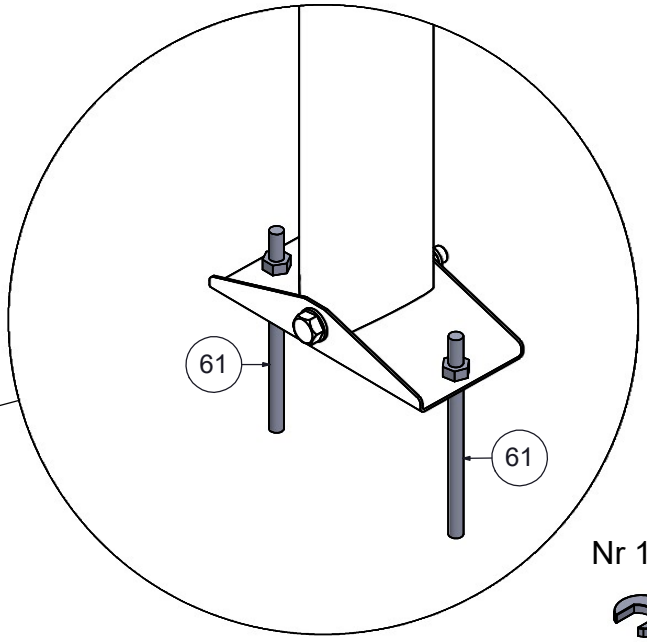


Nr 19



3F*





Nr 17



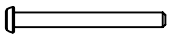
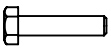
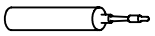
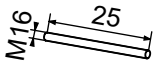
INST_MTS_10



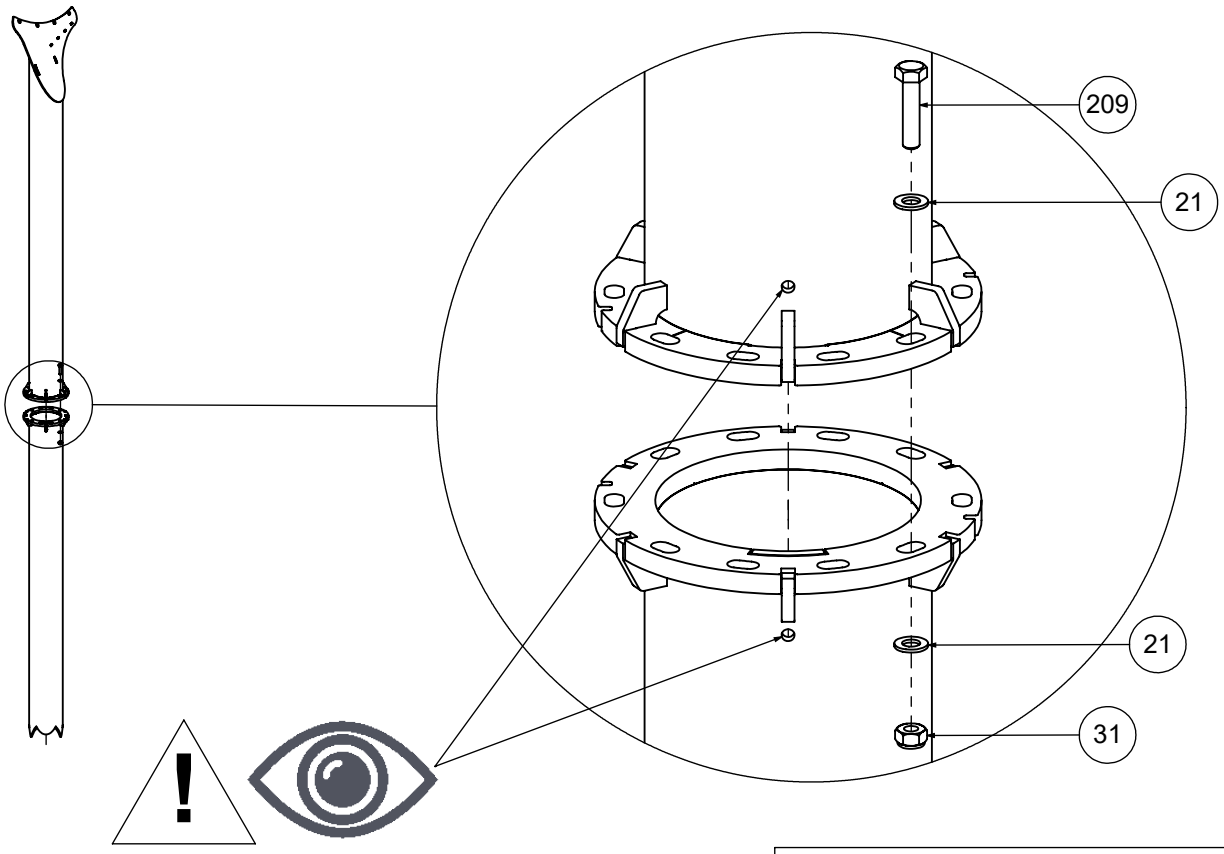
Nr 4



Nr 10, 17, 24

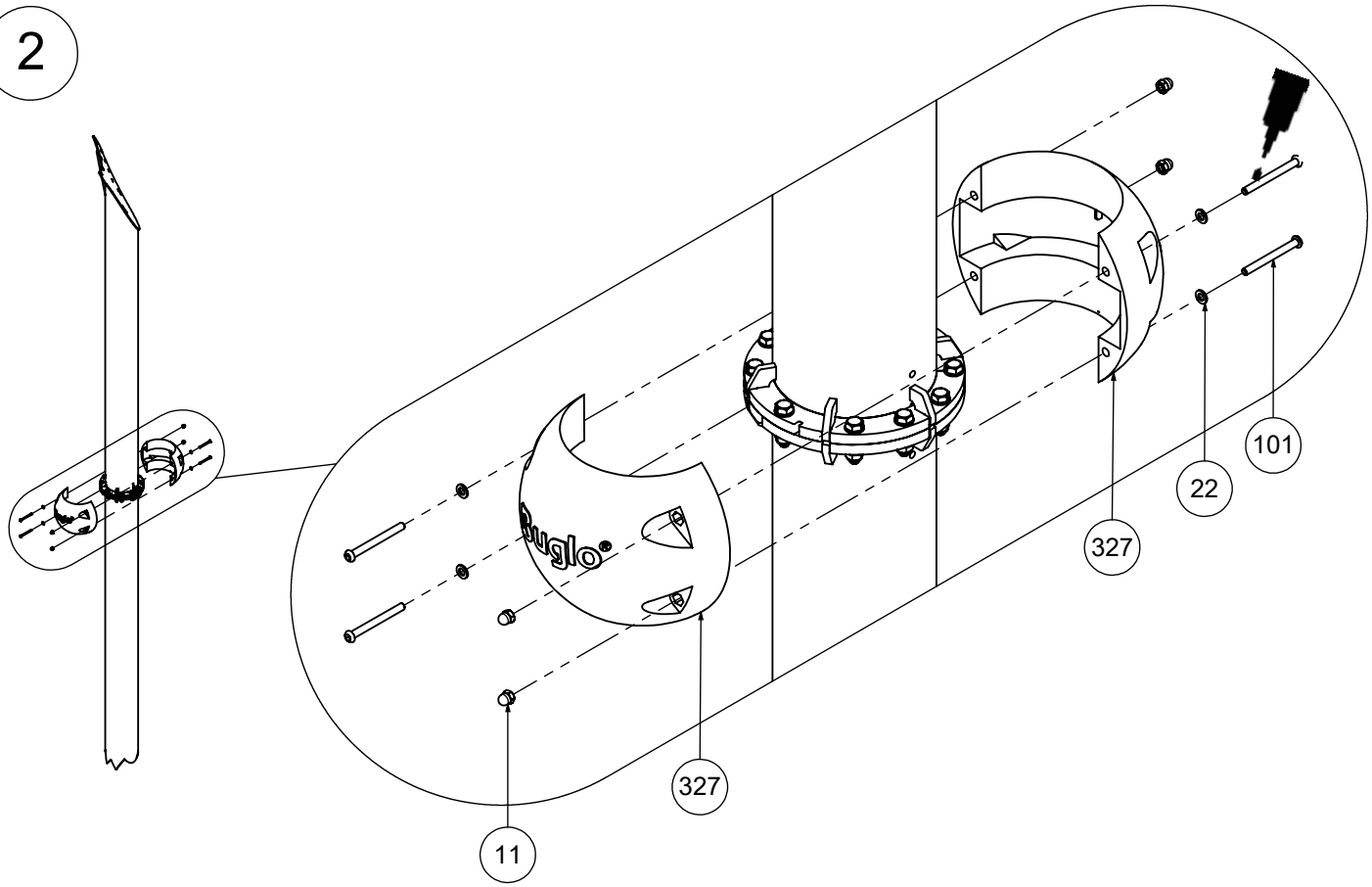
Nr	Σ	Element		
11	4		DIN 1587	M6
21	20		DIN 125	8x16
22	4		DIN 125	6x12
31	10		DIN 985	M8 (OC)
58	1		-	LOCTITE
89	16		DIN 934	M16 (OC)
90	16		DIN 125	16x30
101	4		ISO 7380	M6x60
209	10		DIN 933	M8x35
327	2		-	MLR133
526	1		-	KCH
531	16		-	S4_1400_82

1

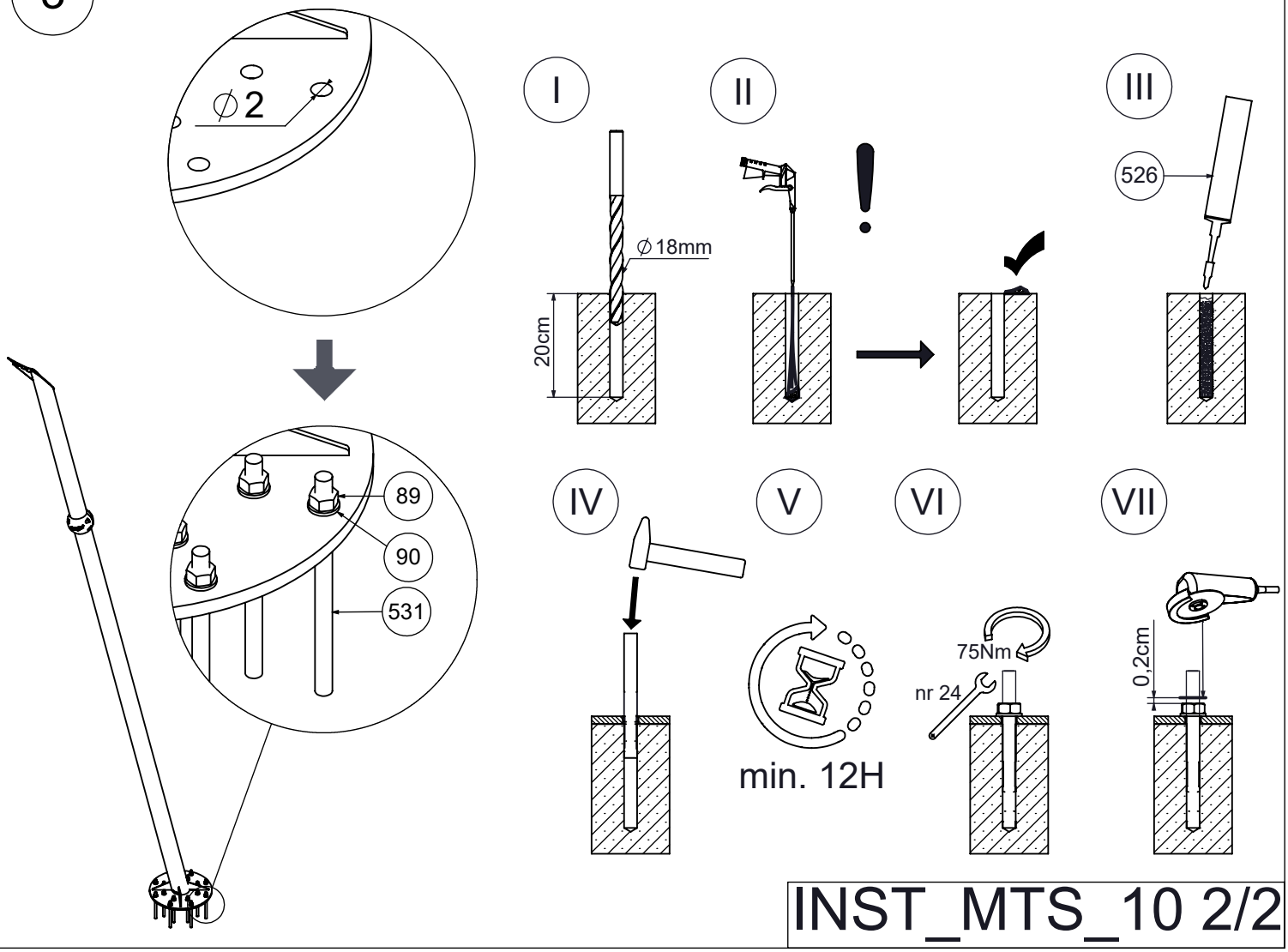


INST_MTS_10

2

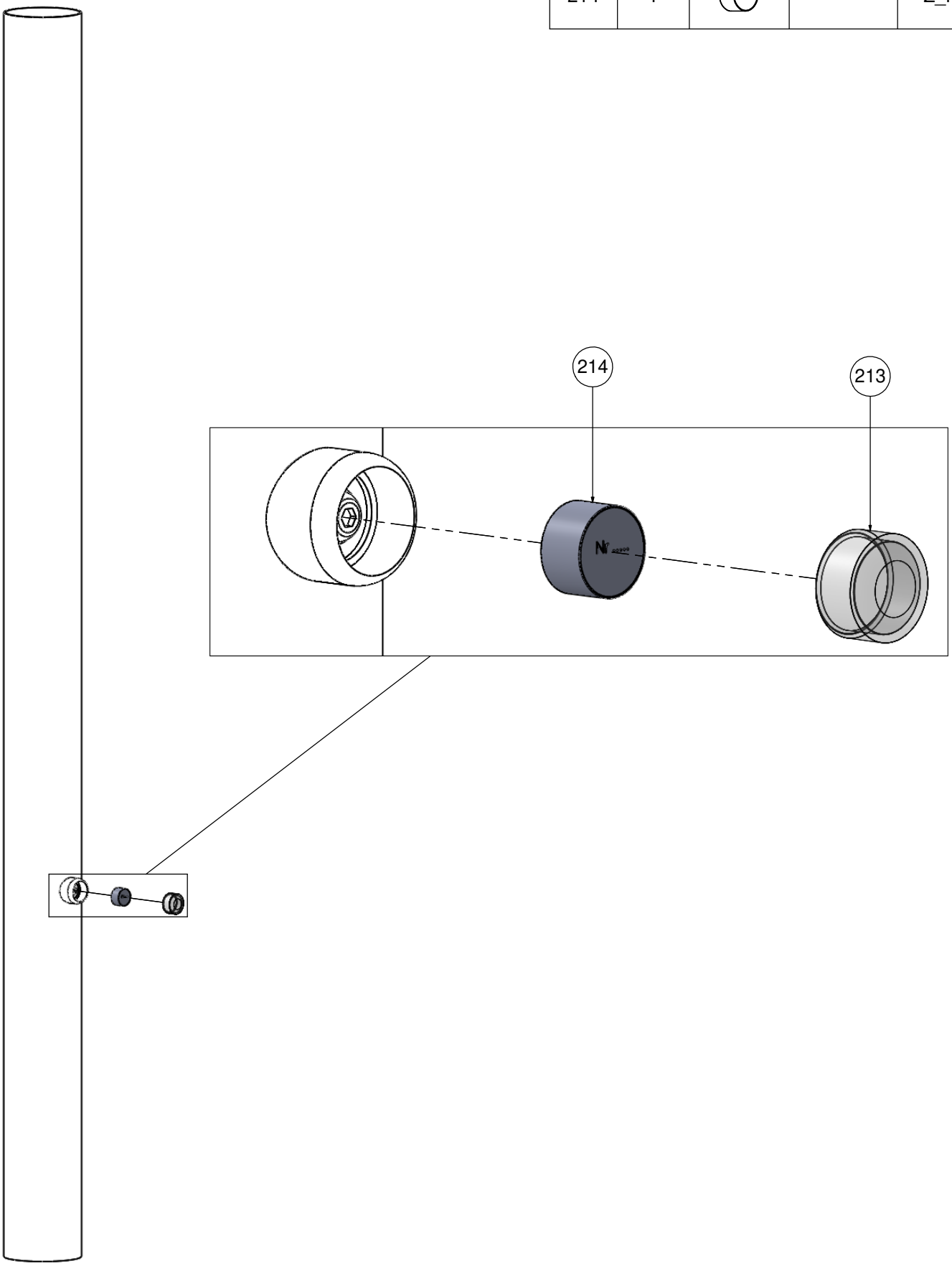


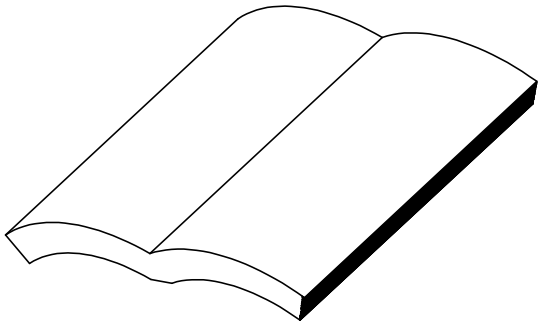
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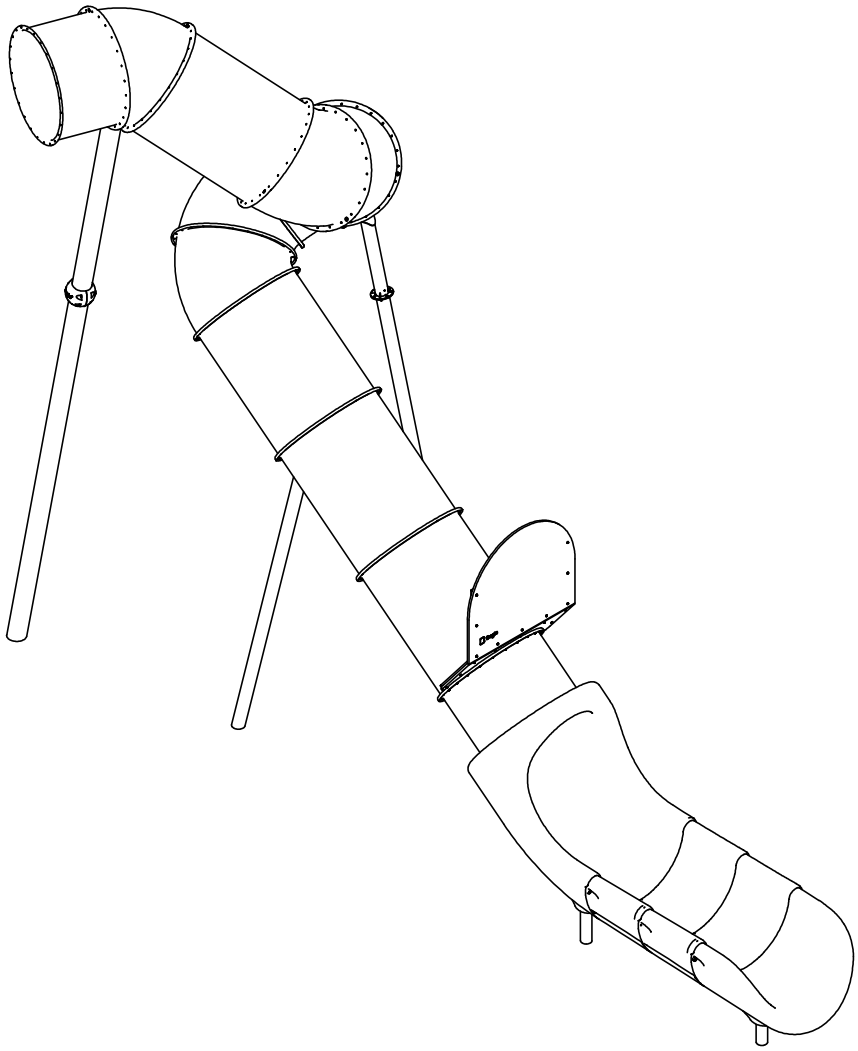
INST_Z_1

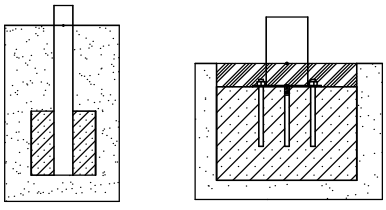
Nr	Σ	Element		
213	1		-	Z_NA_1
214	1		-	Z_NA_2



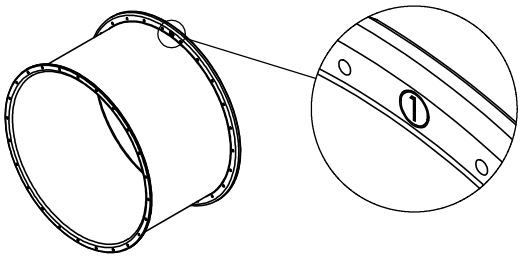
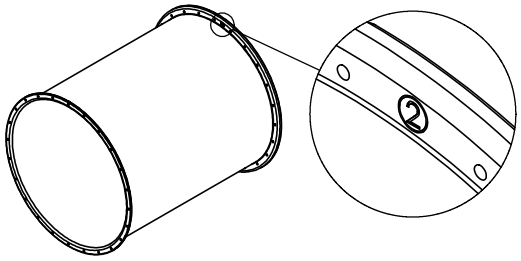
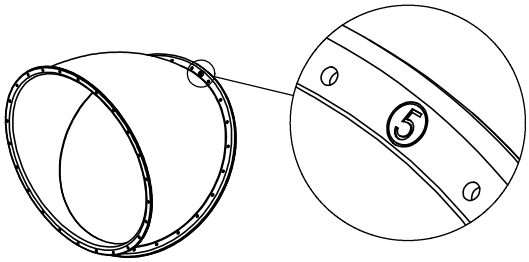


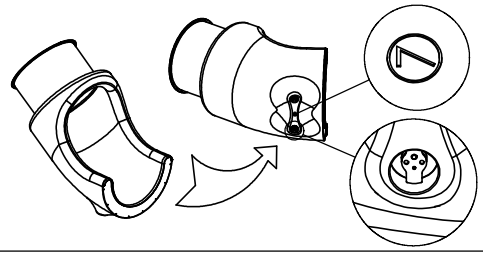
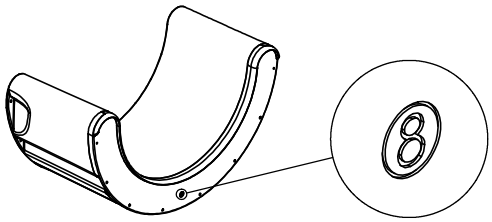
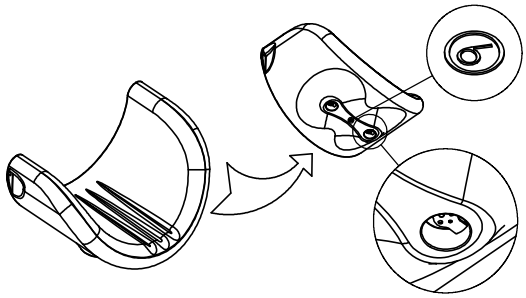
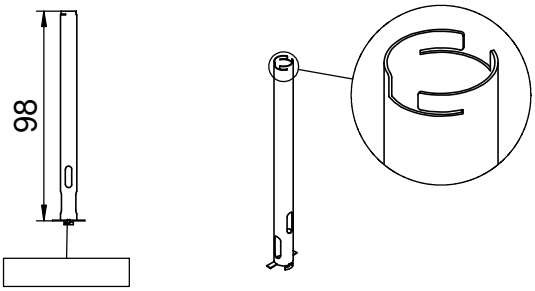
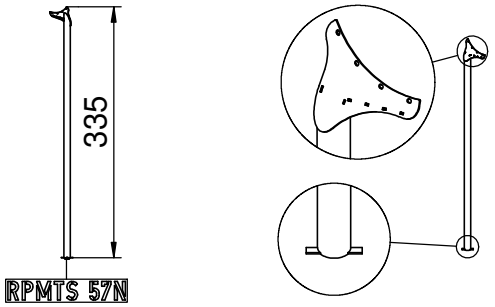
MTSK_H500_A4 F40-N (LZ)

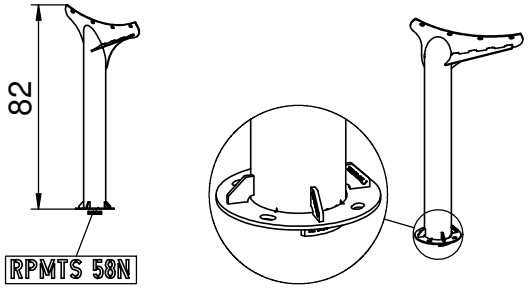
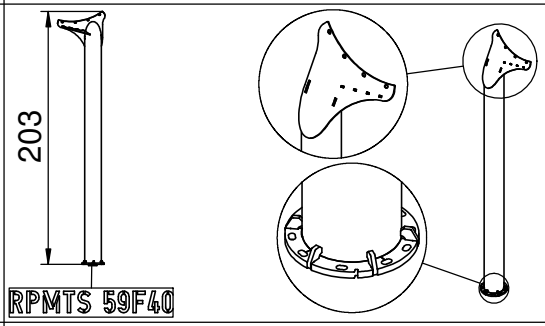
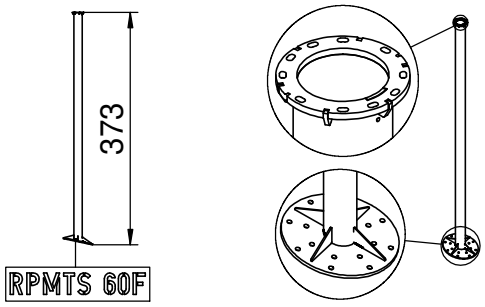
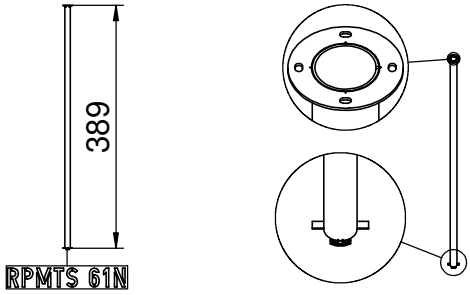
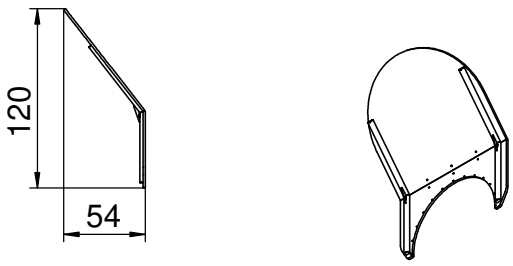
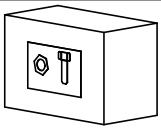


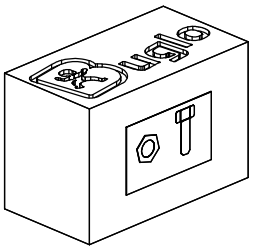


MTSK_H500_A4 F40-N (LZ)

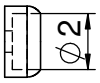
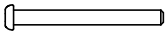
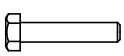
NR	ELEMENT	MTSK_H500_A4F40-N (LZ)
1		1
2		4
3		
4		
5		7
6		

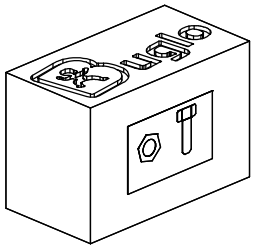
NR	ELEMENT	MTSK_H500_A4F40-N (LZ)
7		1
8		2
9		1
10		4
11		
12		1

NR	ELEMENT	MTSK_H500_A4F40-N (LZ)
13		1
14		1
15		1
16		1
17		1
18		1

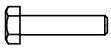
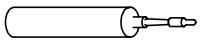
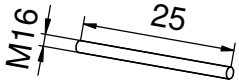


MTSK_H500_A4F40-N

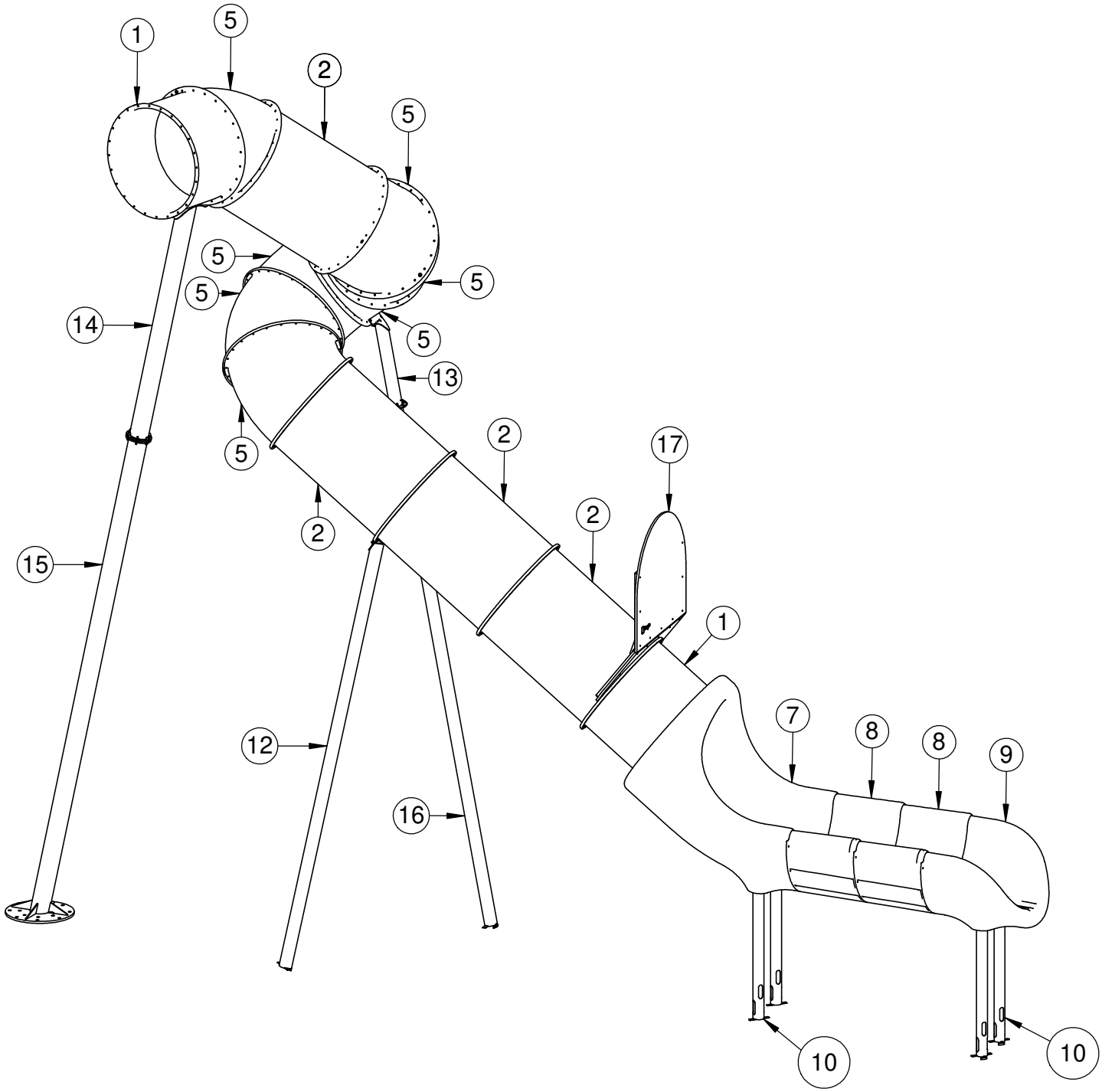
Nr	Element	DIN	ELEMENT	Σ
10		DIN 9021	6x18	667
11		DIN 1587	M6	4
15		ISO 7380	M6x30	325
16		-	K1_d21_B	350
17		-	Z1_d21_B	350
18		DIN 985	M6 (OC)	318
21		DIN 125	8x16	65
22		DIN 125	6x12	4
31		DIN 985	M8 (OC)	14
43		DIN 1587	M8	12
45		ISO 7380	M8x30	12
58		-	LOCTITE	1
89		DIN 934	M16 (OC)	16
90		DIN 125	16x30	16
101		ISO 7380	M6x60	4
119		DIN 933	M6x40 (OC)	6
147		-	M6x10	13



MTSK_H500_A4F40-N (LZ)

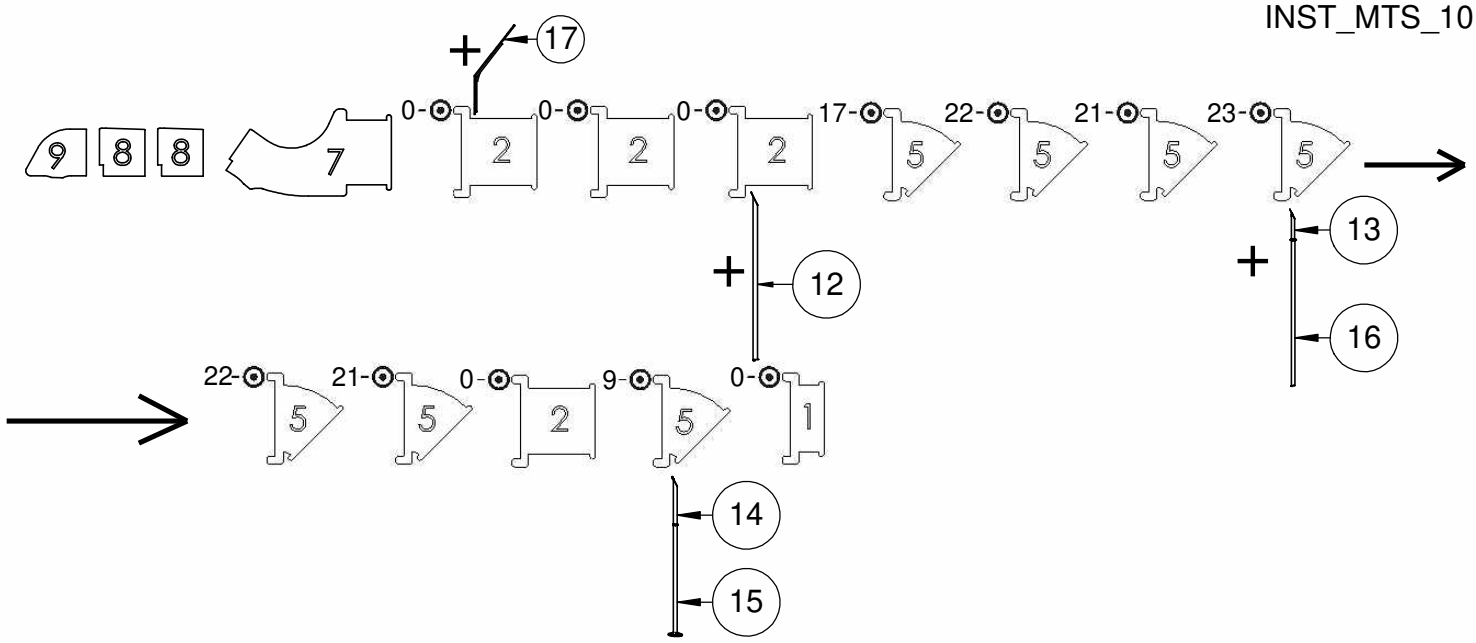
Nr	Element	DIN	ELEMENT	Σ
209		DIN 933	M8x35 (OC)	10
240		DIN 933	M8x25	4
327		-	MLR133	2
472		DIN 933	M6x25 (OC)	18
526		-	KCH	-
531		-	S4_1400_82	16

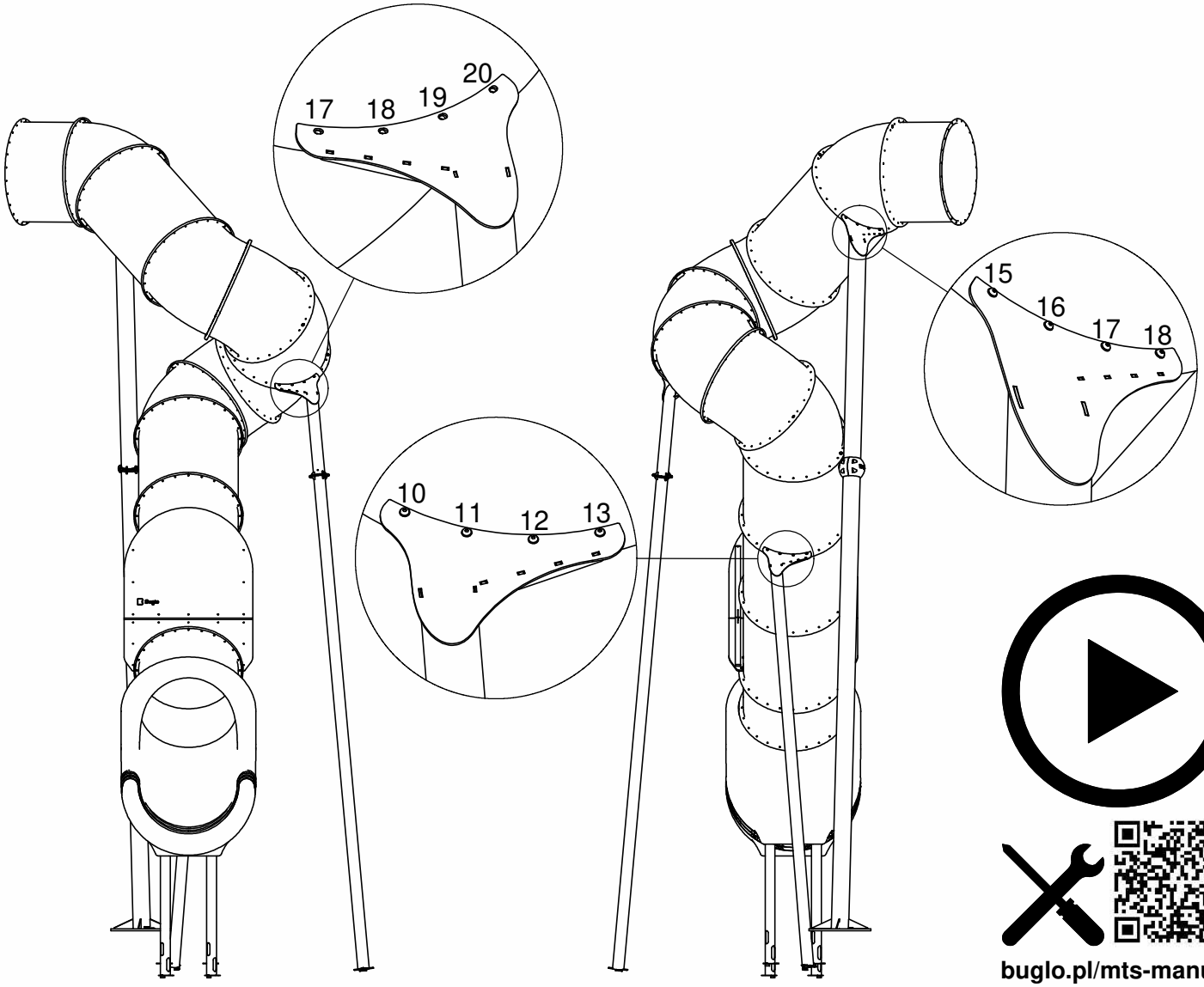
MTSK_H500_A4F40-N (LZ)



1 MTSK_H500_A4F40-N (LZ)

INST_MTS_2
INST_MTS_3
INST_MTS_6
INST_MTS_7
INST_MTS_8
INST_MTS_9
INST_MTS_10





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MANUAL

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 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 contaminats, 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 this 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 inspecion – recommended before the playgrodun 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 inspetion sheets. Any modificatons 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 correclly?		
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		