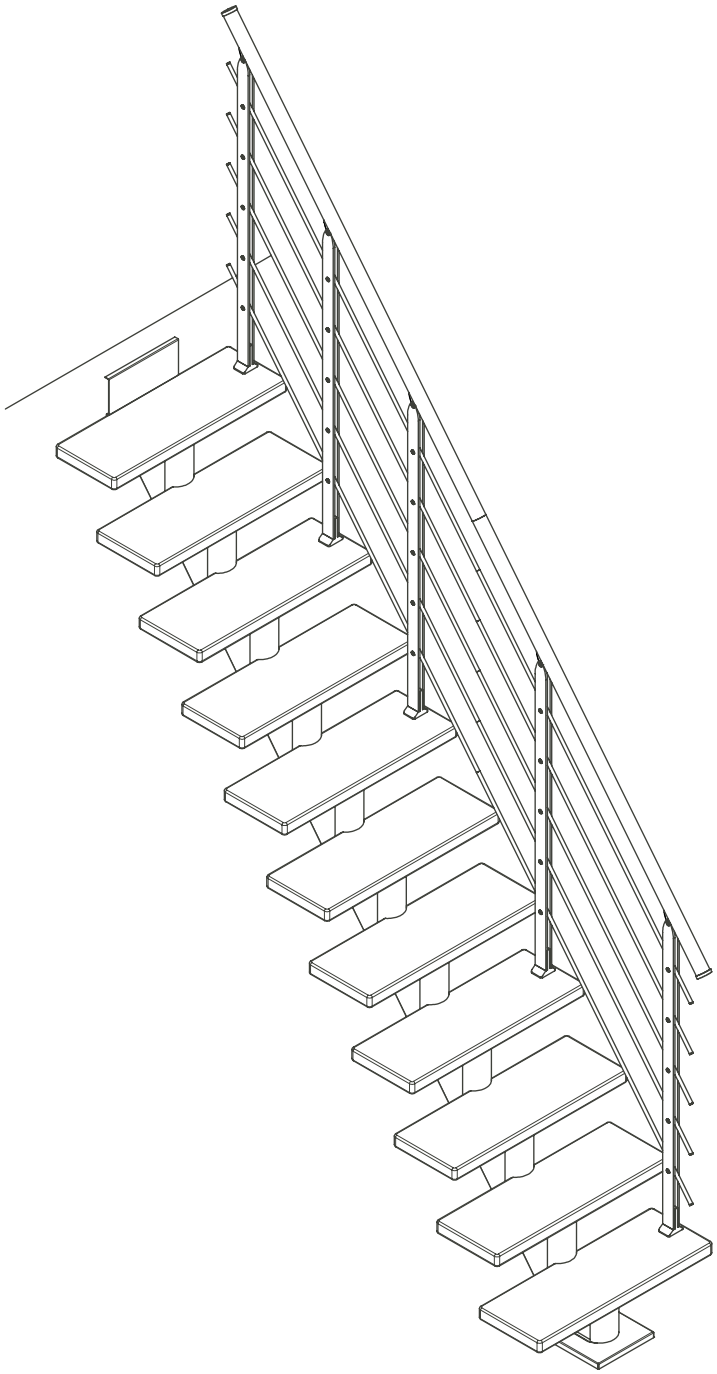
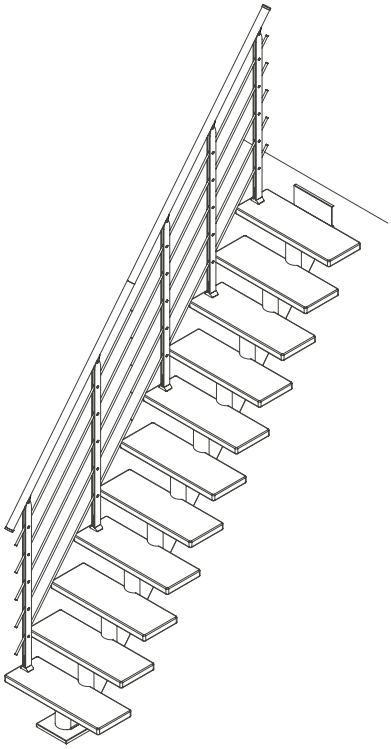
Malva

Montageanleitung / Instructions d'installation / Montagevejleding

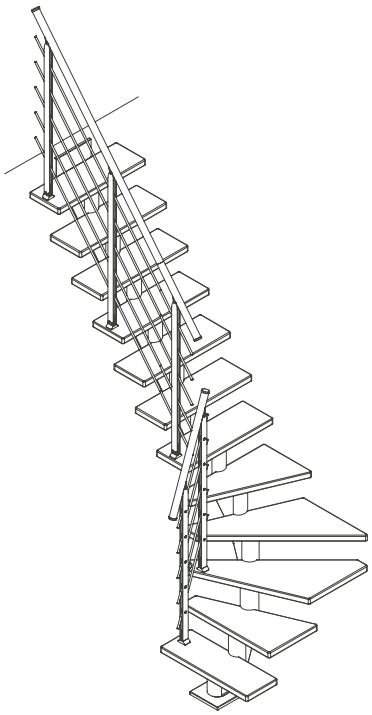


DOLLE®

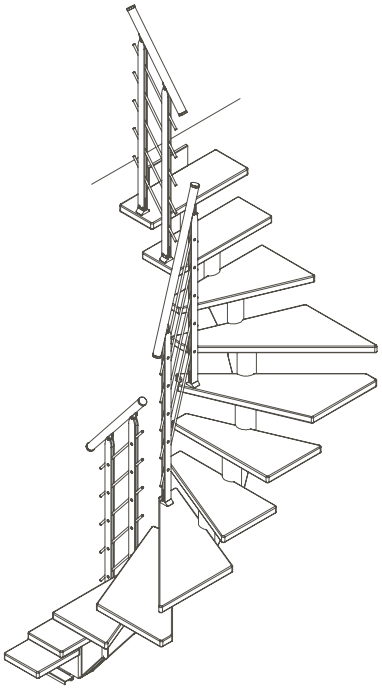
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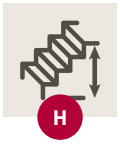


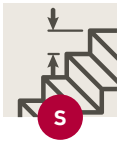
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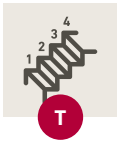


U





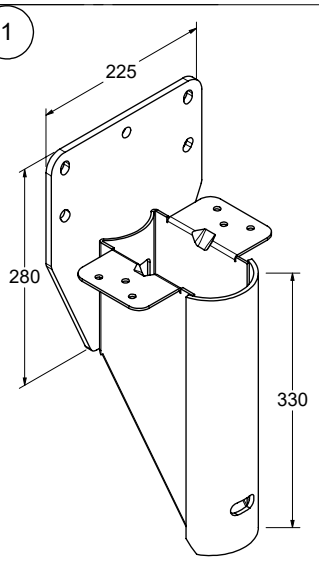




	Height floor-to-floor	Rise height	Number of treads
	Geschosshöhe	Steigungshöhe	Anzahl Stufen
	Hauteur sol-sol	Hauteur de marche	Nombre de marches
	Altura de suelo/suelo	Altura de peldaños	Numero de peldaños
	Altura do chão / chão	Altura do degrau	Número de etapas (degraus)
	Hoogte vloer/vloer	Hoogte trede	Aantal treden
	Etagehøjde	Stigningshøjde	Antal trin
	Golv till golv höjd	Stigningshöjd	Antal steg
	Wysokość kondygnacji od podłogi do podłogi	Wysokość stopnia	Ilość stopni
	Înălțime sol-sol	Înălțime treaptă	Număr trepte
	Výška patra podlaha-podlaha	Výška schodu	Počet nášlapů
	Высота от пола до пола	Шаг ступени	Кол-во ступеней
	Aukšto aukštis	Pakopos aukštis	Pakopų kiekis
	Stāva augstums	Pakāpiena augstums	Pakāpienu skaits
	Korruse kõrgus	Astme kõrgus	Astmete arv
	Višina nadstropja	Višina stopnice	Število stopnic
	Visina kata	Visina stepenice	Broj stepenica
	Výška podlažia	Výška stupňa	Počet stupňov

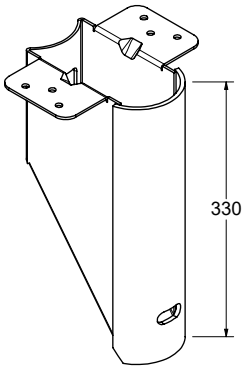
perfura

1



x 1
K2-1077420 *RAL 7016*
K2-1077421 *RAL 9005*
K2-1077422 *Pearl grey*
K2-1077423 *RAL 9016*

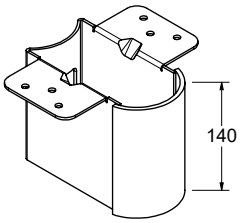
2



	11	12	13
x	9	10	11

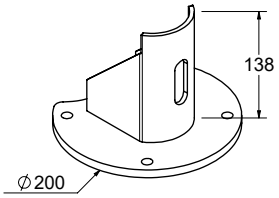
K2-1077425 *RAL 7016*
K2-1077421 *RAL 9005*
K2-1077422 *Pearl grey*
K2-1077423 *RAL 9016*

3



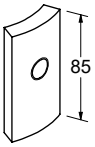
x 1
K2-1077430 *RAL 7016*
K2-1077431 *RAL 9005*
K2-1077432 *Pearl grey*
K2-1077433 *RAL 9016*

4



x 1
K2-1077440 *RAL 7016*
K2-1077441 *RAL 9005*
K2-1077442 *Pearl grey*
K2-1077443 *RAL 9016*

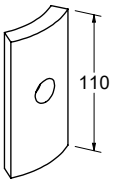
5



	11	12	13
x	10	11	12

H2-20505

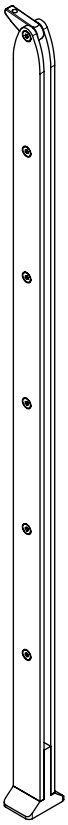
6



	11	12	13
x	10	11	12

H2-20506

7



		11	12	13
x	**I**	5	5	5
	L	5	5	6
	U	6	6	7

K2-1077710
RAL 7016
K2-1077711
RAL 9005
K2-1077712
Pearl grey
K2-1077713
RAL 9016

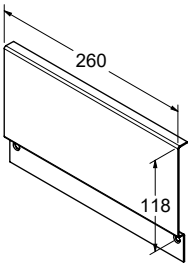
8



		11	12	13
x	**I**	5	5	5
	L	5	5	6
	U	6	6	7

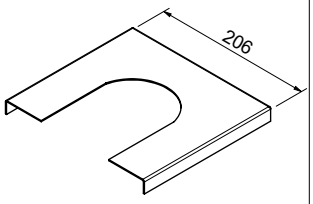
K1-1077203

10



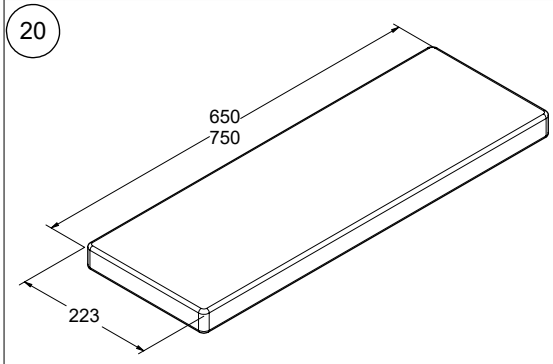
x 1
K1-1077070 *RAL 7016*
K1-1077071 *RAL 9005*
K1-1077072 *Pearl grey*
K1-1077073 *RAL 9016*

11



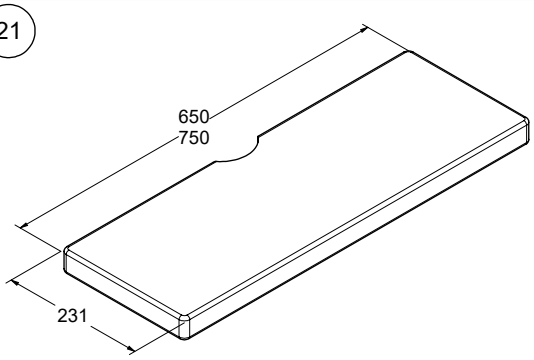
x 1
K1-1077400 *RAL 7016*
K1-1077401 *RAL 9005*
K1-1077402 *Pearl grey*
K1-1077403 *RAL 9016*

20



x 1
M2-1078300 Beech / Buche / Beuken / Hêtre / Bøg
M2-1078310 Oak / Eiche / Bijv / Chêne / Eg
M2-1078320 Oak white / Eiche weiß / Bijv wt / Chêne blanc / Eg hvid

21

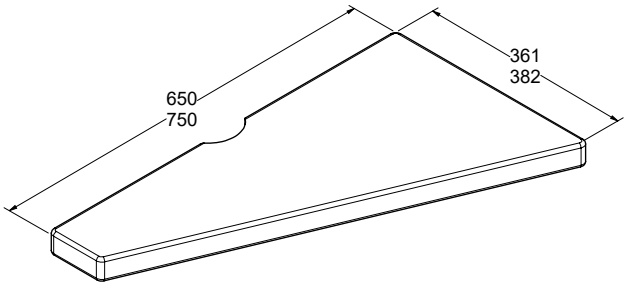


		11	12	13
x	**I**	10	11	12
	L	6	7	8
	U	2	3	4

M2-1078301 Beech / Buche / Beuken / Hêtre / Bøg
M2-1078302 Oak / Eiche / Bijv / Chêne / Eg
M2-1078303 Oak white / Eiche weiß / Bijv wt / Chêne blanc / Eg hvid

25

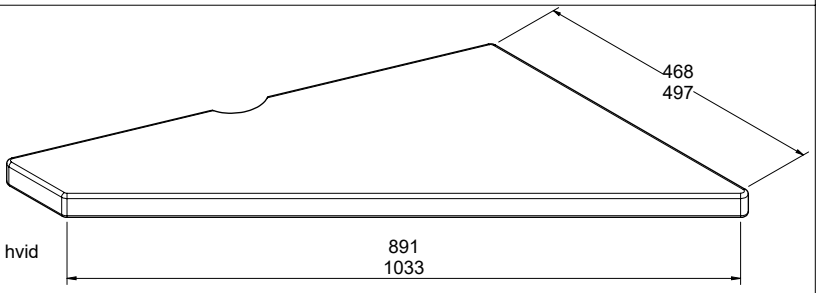
x		
	I	0
	L	1
	U	2



M2-1078309 *650 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078319 *650 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078329 *650 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid
M2-1078359 *750 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078369 *750 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078379 *750 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid

24

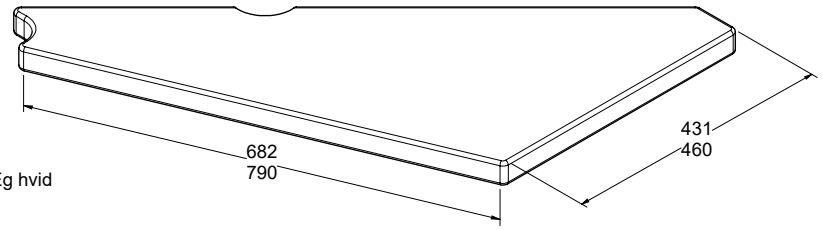
x		
	I	0
	L	1
	U	2



M2-1078308 *650 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078318 *650 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078328 *650 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid
M2-1078358 *750 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078368 *750 mm* Oak / Eiche / Eik wit / Chêne / Eg
M2-1078378 *750 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid

23

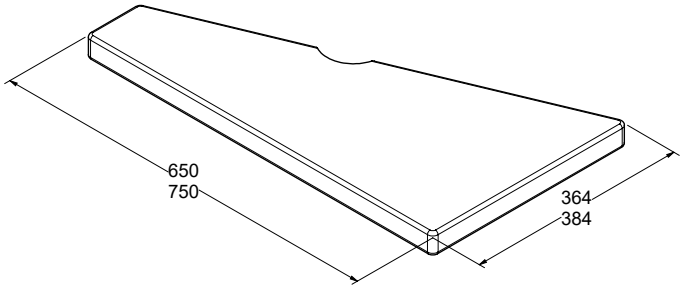
x		
	I	0
	L	1
	U	2



M2-1078307 *650 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078317 *650 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078327 *650 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid
M2-1078357 *750 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078367 *750 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078377 *750 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid

22

x		
	I	0
	L	1
	U	2



M2-1078306 *650 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078316 *650 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078326 *650 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid
M2-1078356 *750 mm* Beech / Buche / Beuk / Hêtre / Bøg
M2-1078366 *750 mm* Oak / Eiche / Eik / Chêne / Eg
M2-1078376 *750 mm* Oak white / Eiche weiß / Eik wit / Chêne blanc / Eg hvid

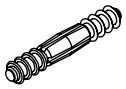
27



x		11	12	13
	I	2	2	2
	L	4	4	4
	U	6	6	6

K1-1077720

30



x 10
K3-08023

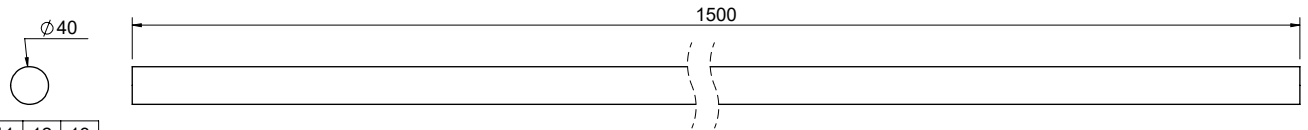
31



x		11	12	13
	I	10	10	10
	L	20	20	20
	U	30	30	30

K1-18099

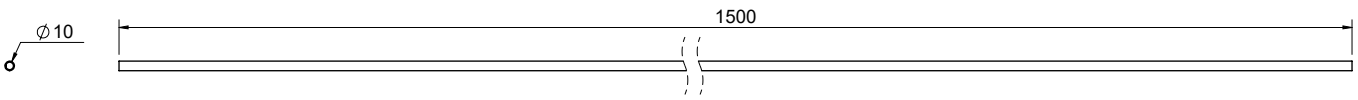
32



x		11	12	13
	I	3	3	3
	L	2	2	2
	U	2	2	2

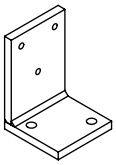
M2-1078905 Beech / Buche / Beuken / Hêter / Bøg
M2-1078915 Oak / Eiche / Bijv / Chêne / Eg
M2-1078917 Oak white / Eiche weiß / Bijv wit / Chêne blanc / Eg hvid

33



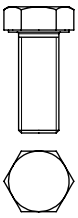
x 15
K1-18049

36



x 4
K1-1077295 *RAL 7016*
K1-1077296 *RAL 9005*
K1-1077297 *Pearl grey*
K1-1077298 *RAL 9016*

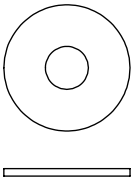
37



	11	12	13
x	11	12	13

R1-63500
M16 x 40

38



	11	12	13
x	11	12	13

K3-04053
Ø50 / Ø17

39



x 1
R2-86074
M16

40



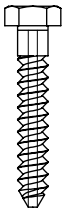
x 17
K3-08001
Ø12 x 60

41



x 17
K3-04001
Ø10

42



x 17
K3-06003
Ø10 x 60

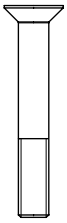
44



	11	12	13
x	78	84	90

R1-63267
Ø6 x 35 TX30

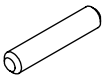
46



		11	12	13
x	**I**	5	5	5
	L	5	5	6
	U	6	6	7

K3-02097
M10 x 70

47



x 4
R3-91415
Ø8 x 40

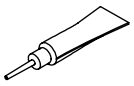
48



		11	12	13
x	**I**	5	5	5
	L	5	5	6
	U	6	6	7

K3-06239
Ø4,5 x 25

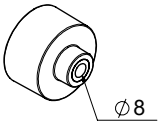
49



Strong glue
Superkleber
Seconde lijm
Colle forte
Superlim

x 1
K3-90001

50



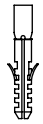
x 1
K1-01810

51



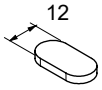
x 2
K3-06022
Ø5 x 35 TX25

56



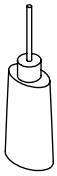
x 2
K3-08006
Ø6 x 40

58



x 8
R3-20590

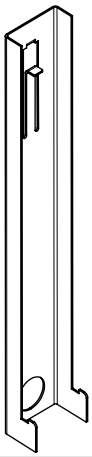
59



Wood glue
Holzkleber
Colle à bois
Trælim
Houtlijm

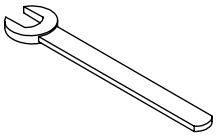
x 1
K3-90005

60



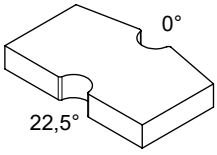
x 1
H2-63530

61



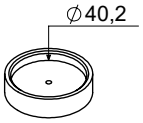
x 1
R1-63501
24 mm

62



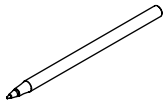
x 1
H3-35920

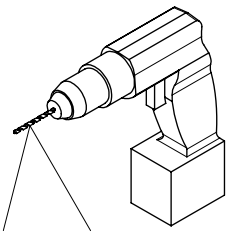
63

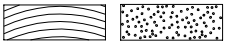


x 1
K1-01620

Tools not included!
Werkzeuge nicht enthalten!
Gereedschap niet inbegrepen!
Outils non inclus!
Værktøj ikke inkluderet!





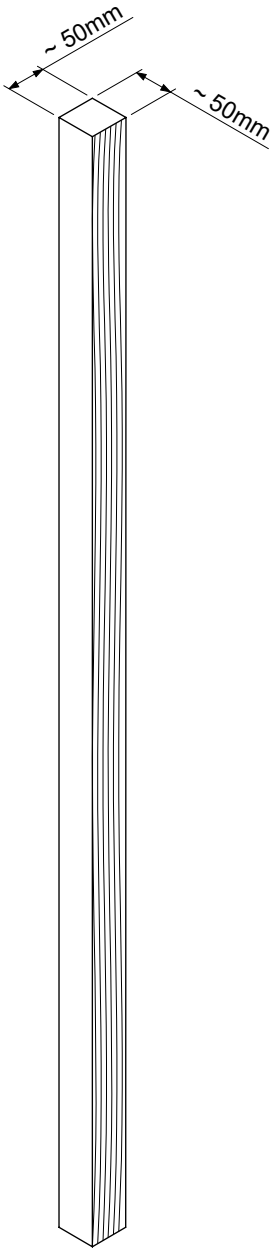


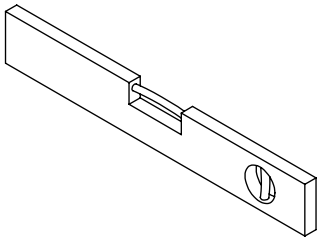
∅ 3mm
∅ 4mm
∅ 6mm
∅ 8mm
∅ 10mm

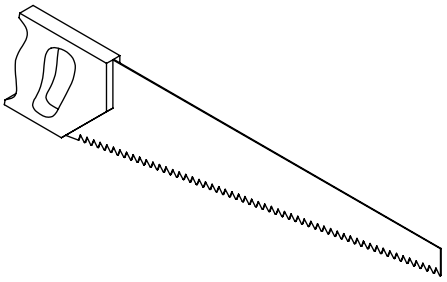
∅ 6mm
∅ 12mm

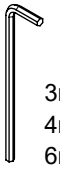


TX25
TX30
PZ2

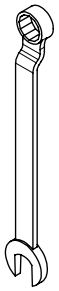




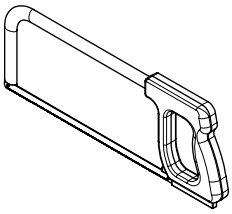


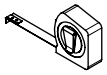


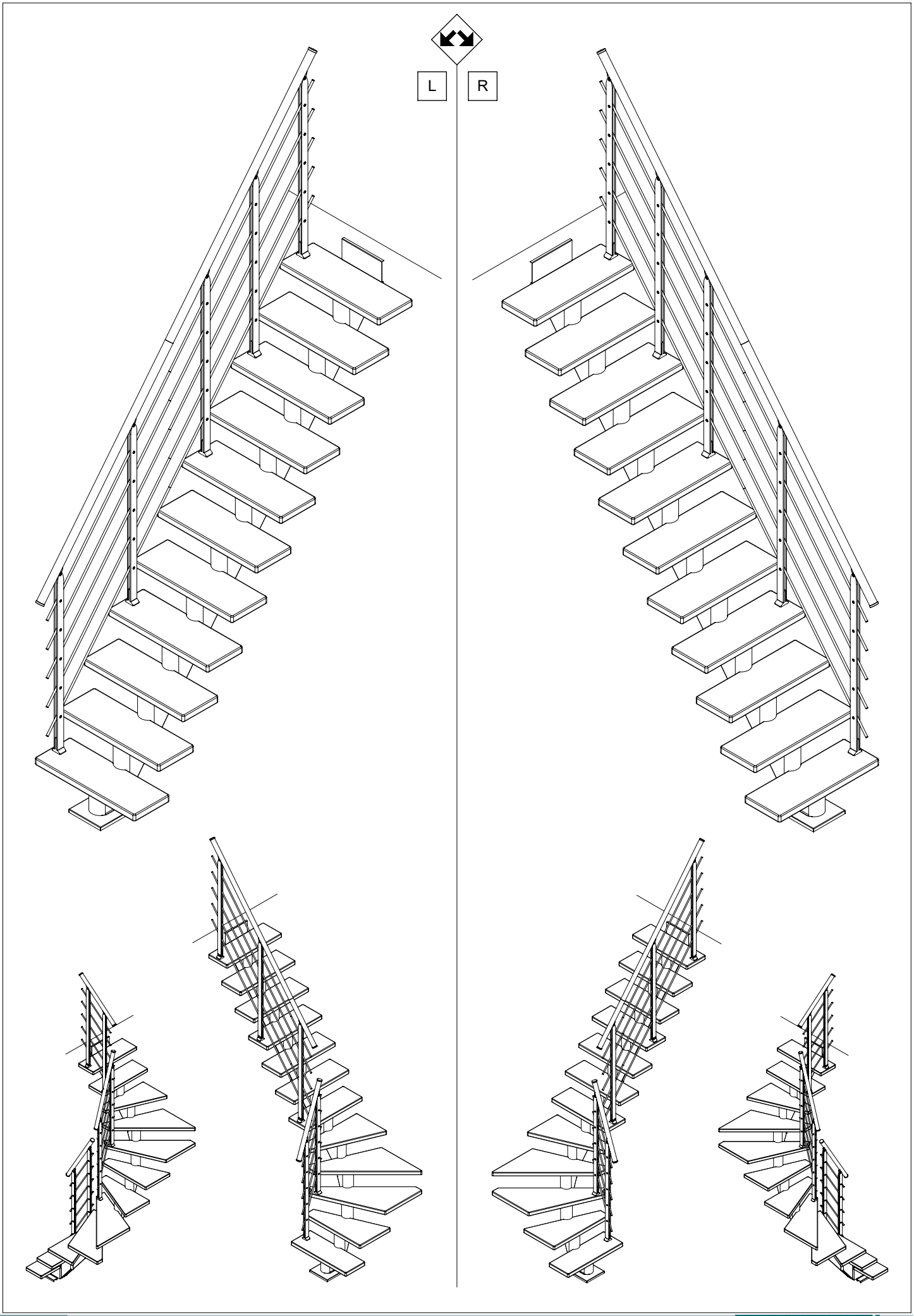
3mm
4mm
6mm

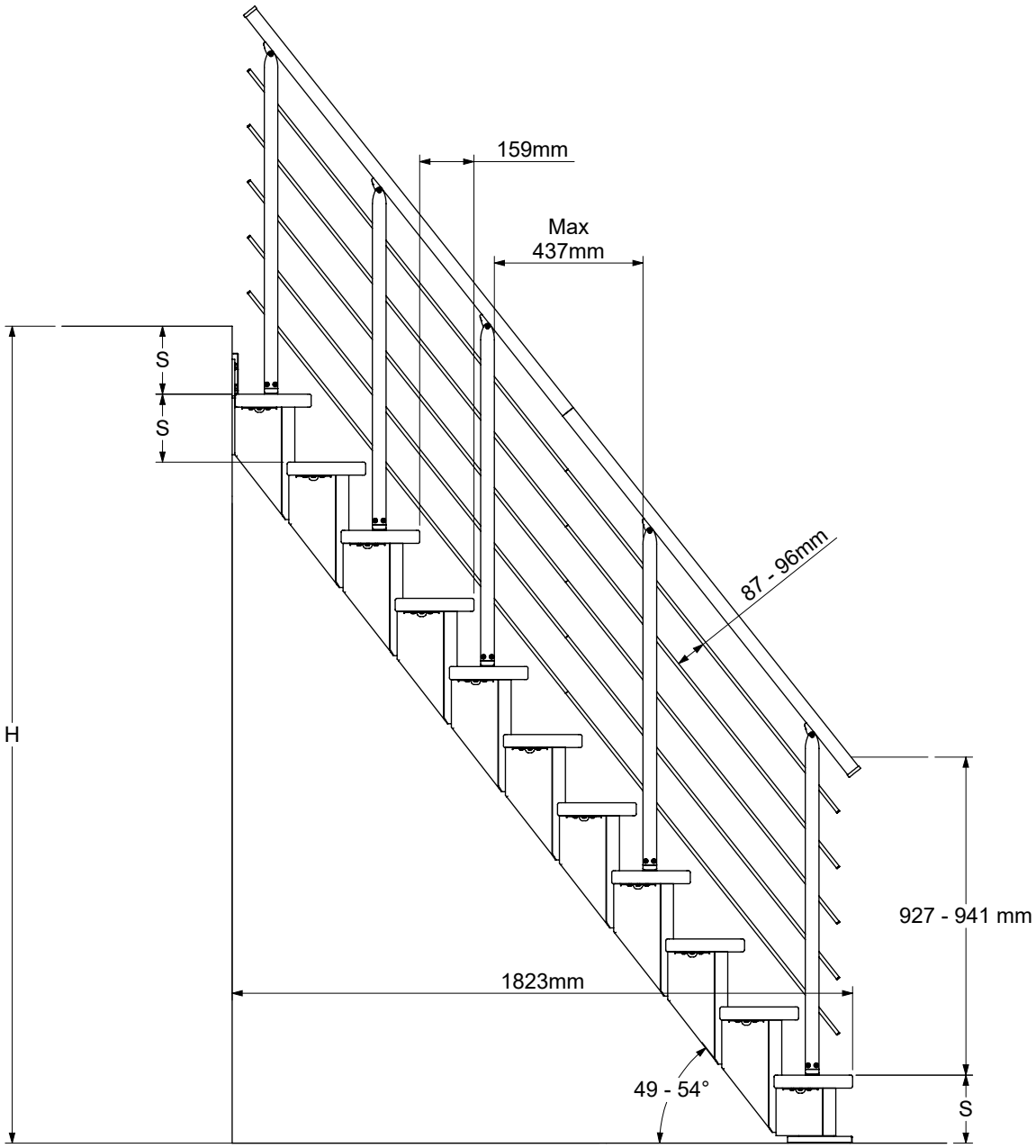


16mm






L
R



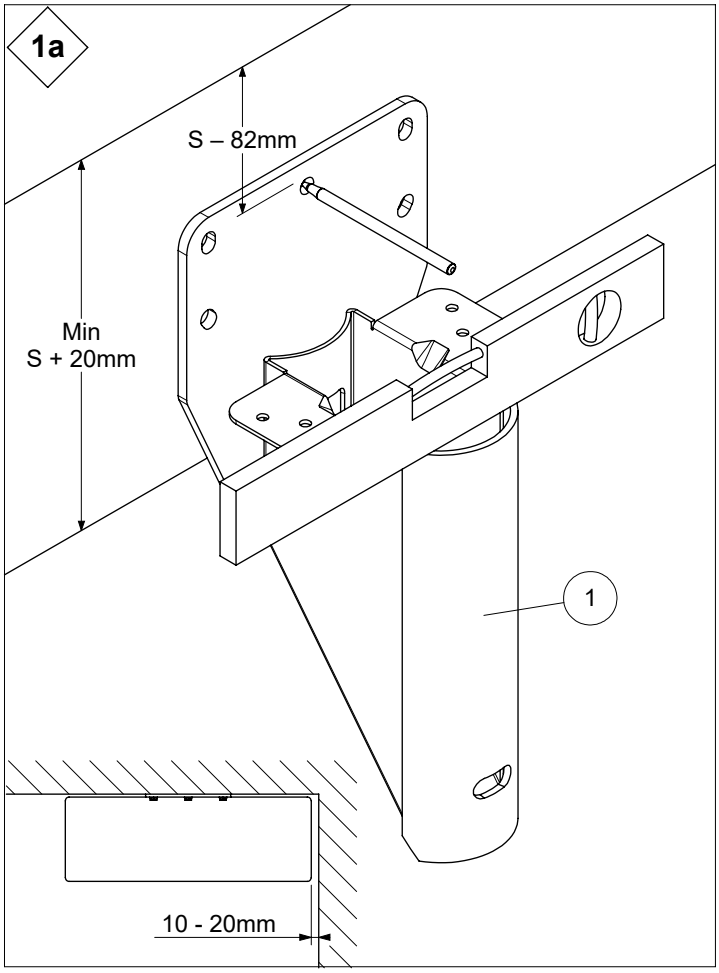
$$S = \frac{H}{T + 1}$$

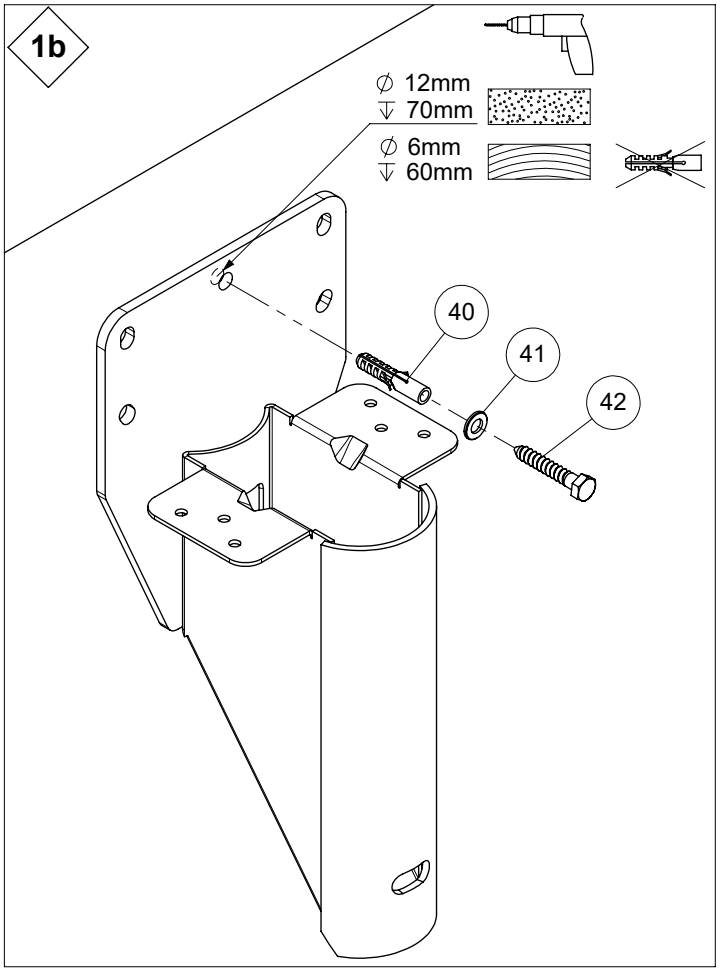
min S	max S
185 mm	215 mm

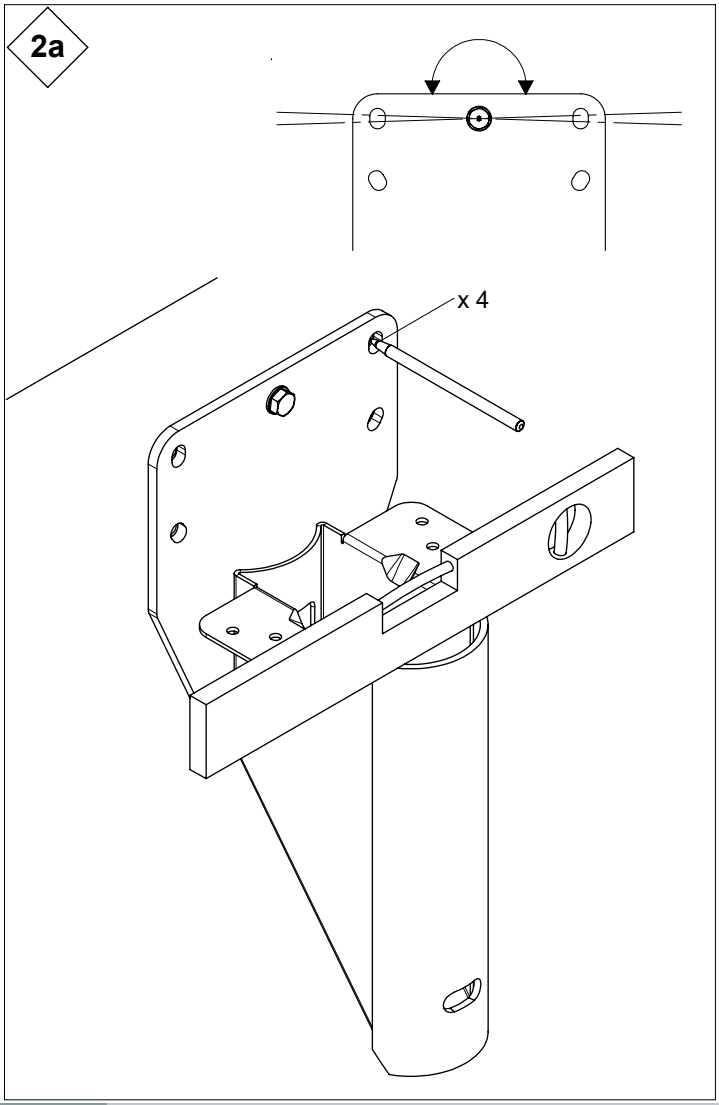
Example / Beispiel / Voorbeeld / Example / Eksempel:
H: 2400 mm, T: 11 st(pcs)

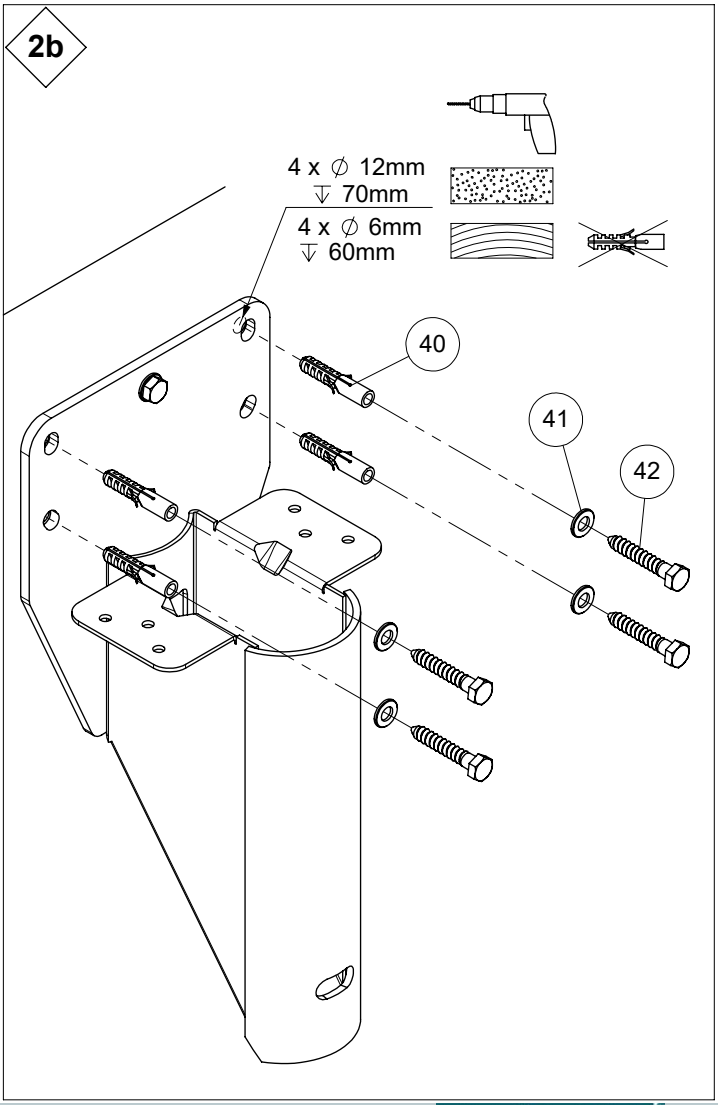
$$S = \frac{2400\ mm}{11 + 1} = 200\ mm$$

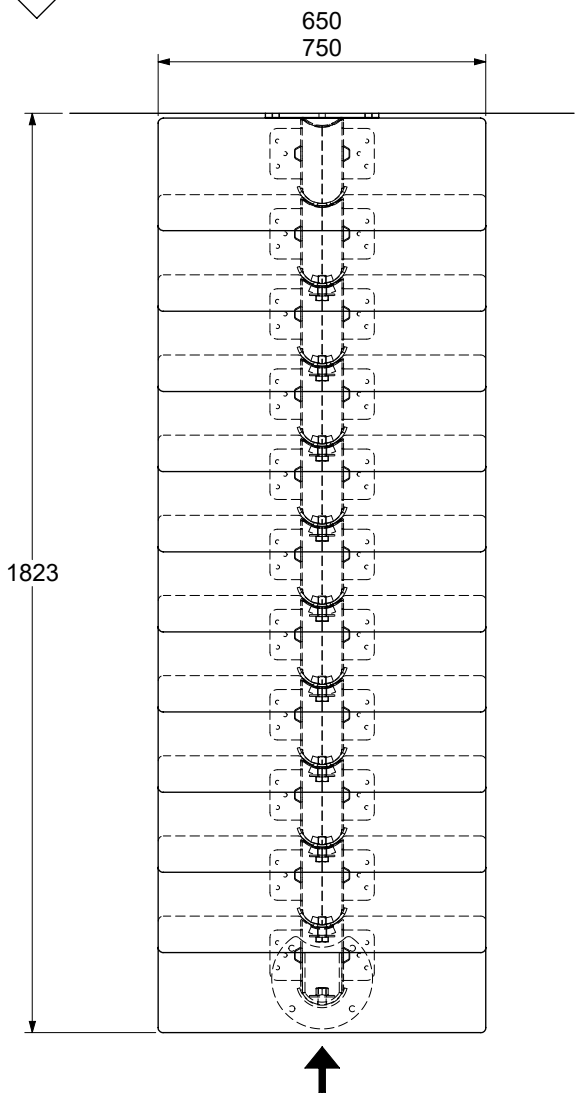
T	min H	max H
9	1850 mm	2150 mm
10	2035 mm	2365 mm
11	2220 mm	2580 mm
12	2405 mm	2795 mm
13	2590 mm	3010 mm

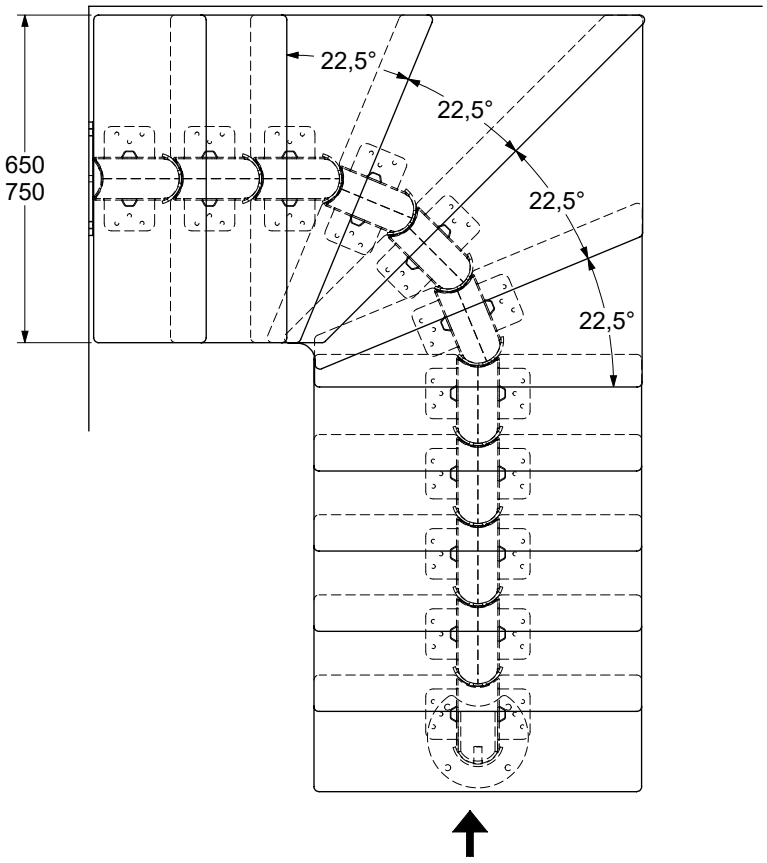

1a
S – 82mm
Min
S + 20mm
1
10 - 20mm

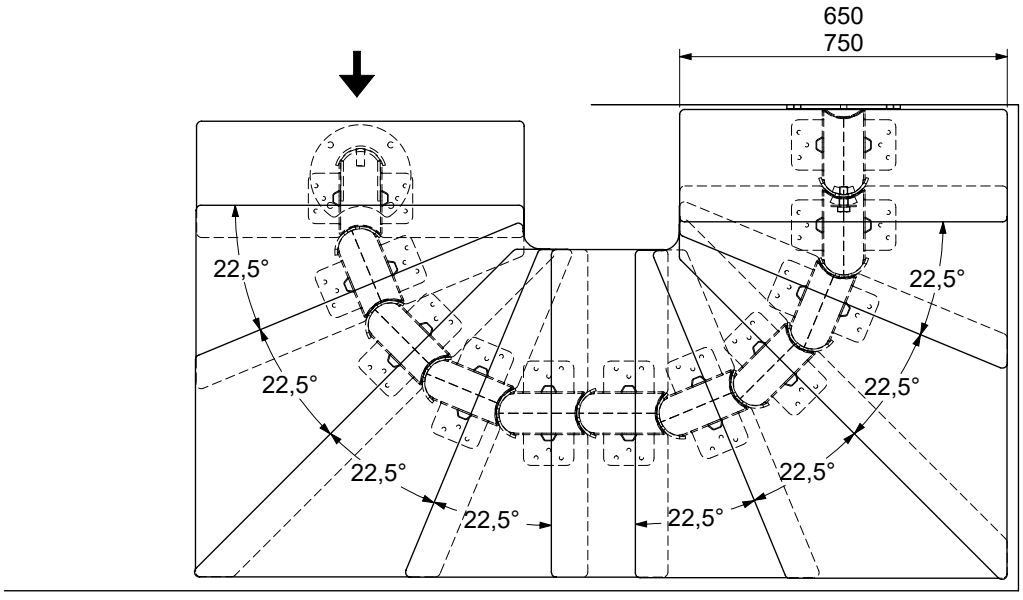

1b
∅ 12mm
↧ 70mm
∅ 6mm
↧ 60mm
40
41
42

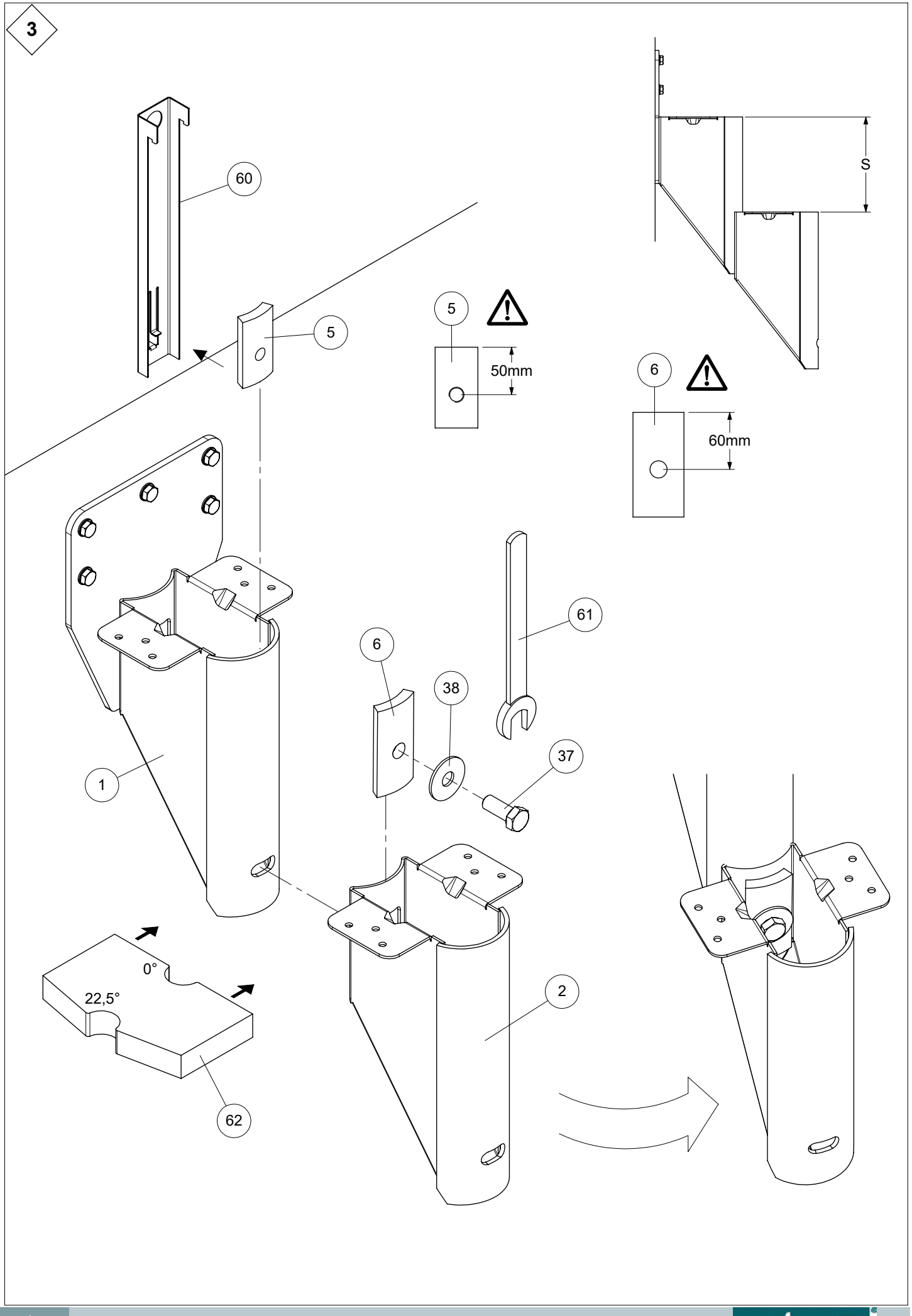

2a
x 4


2b
4 x ∅ 12mm
↧ 70mm
4 x ∅ 6mm
↧ 60mm
40
41
42

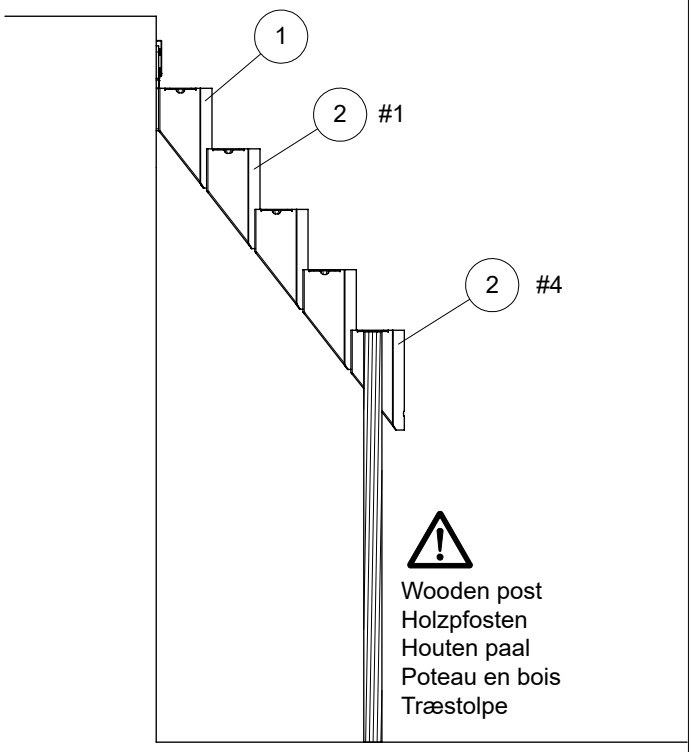

650
750
1823


650
750
22,5°
22,5°
22,5°
22,5°

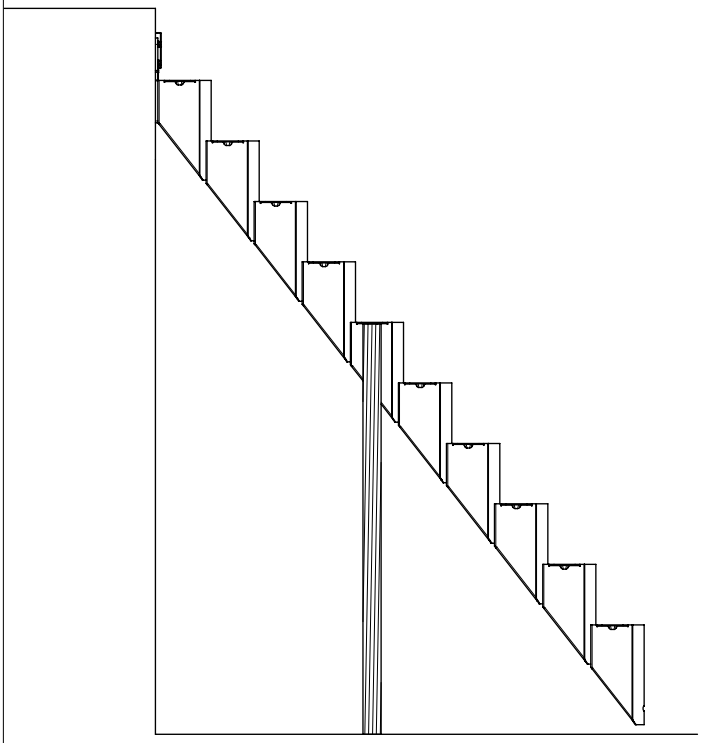

650
750
22,5°
22,5°
22,5°
22,5°
22,5°
22,5°
22,5°
22,5°


3
60
5
5
50mm
6
60mm
S
61
6
38
37
1
2
0°
22,5°
62

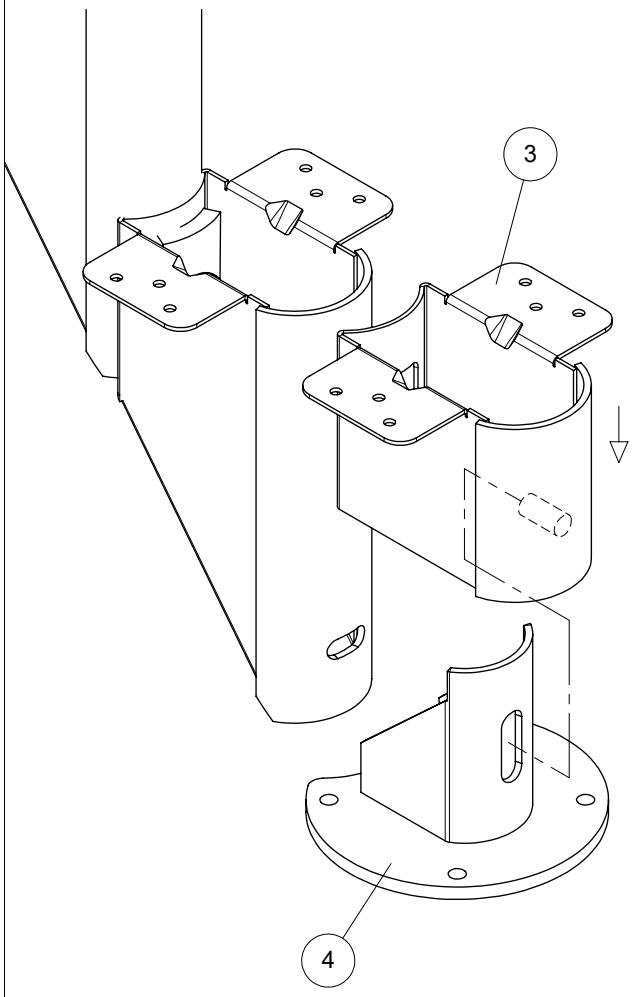
4a


1
2
#1
2
#4
Wooden post
Holzpfosten
Houten paal
Poteau en bois
Træstolpe

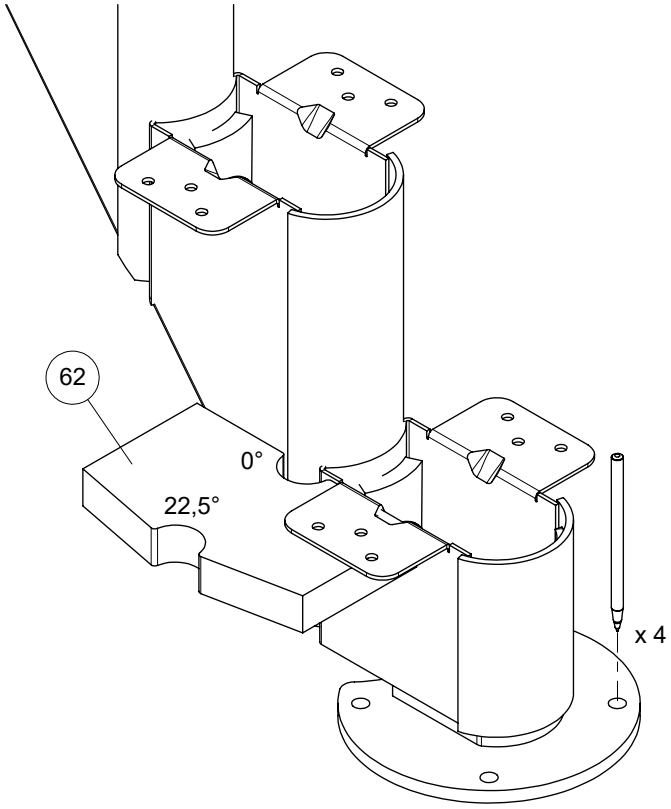
4b



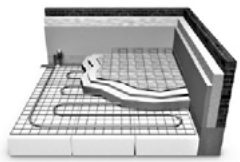
5

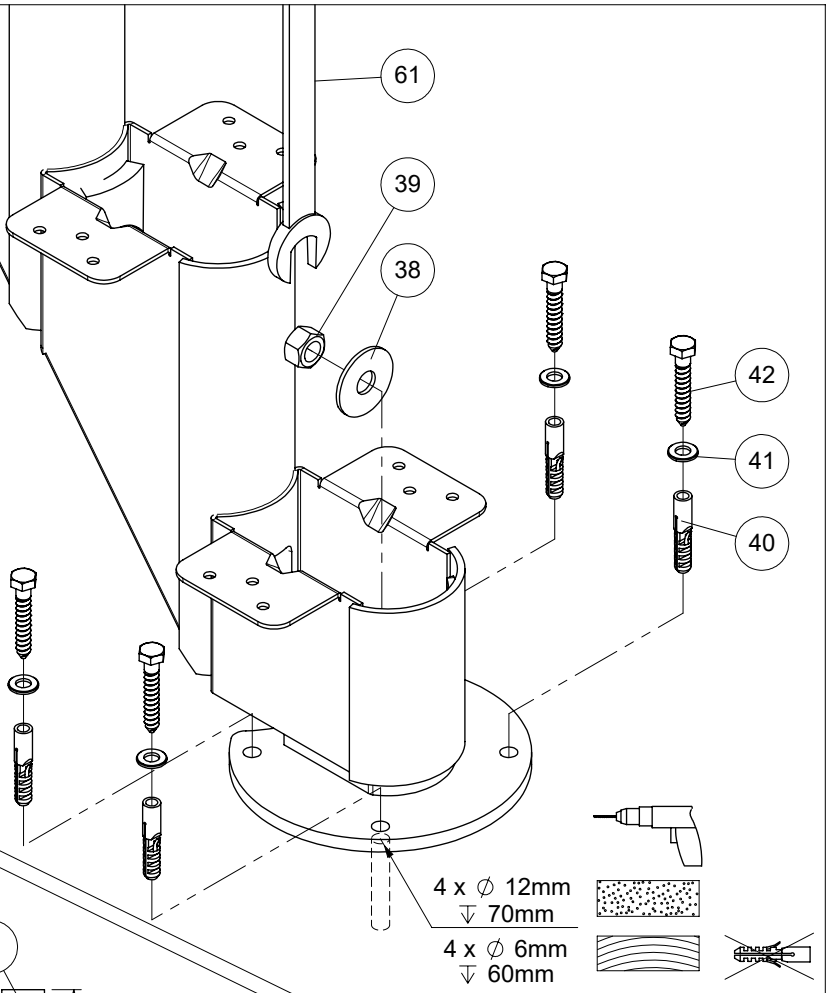

3
4

6

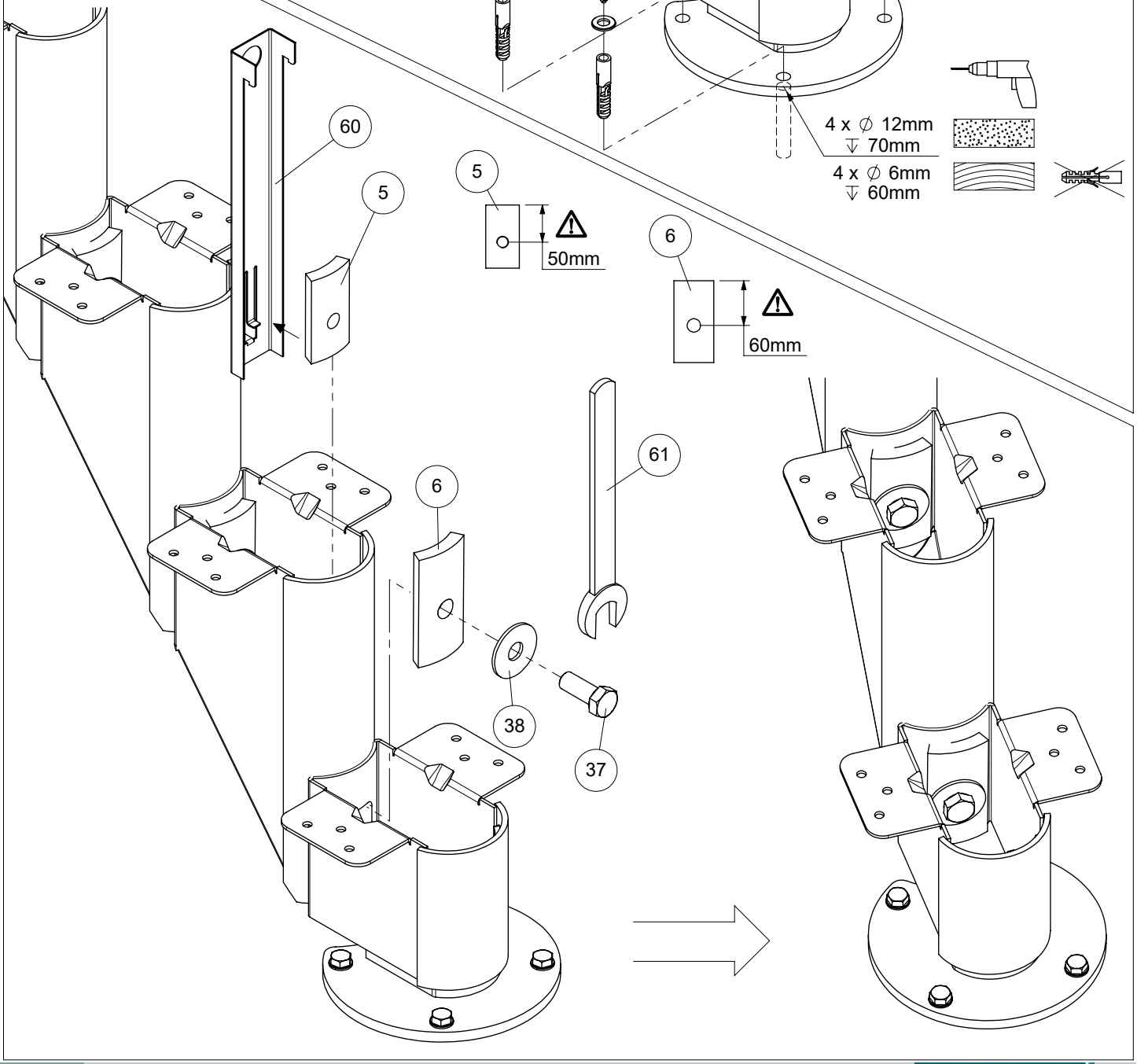

62
0°
22,5°
x 4

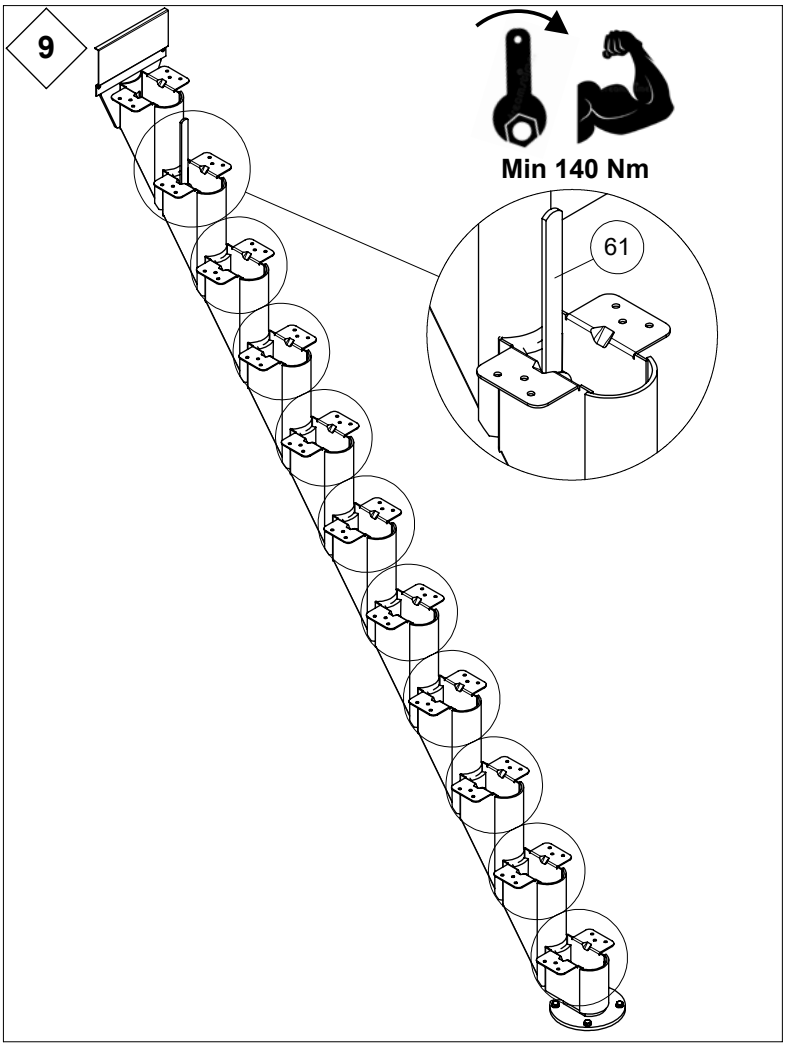
7

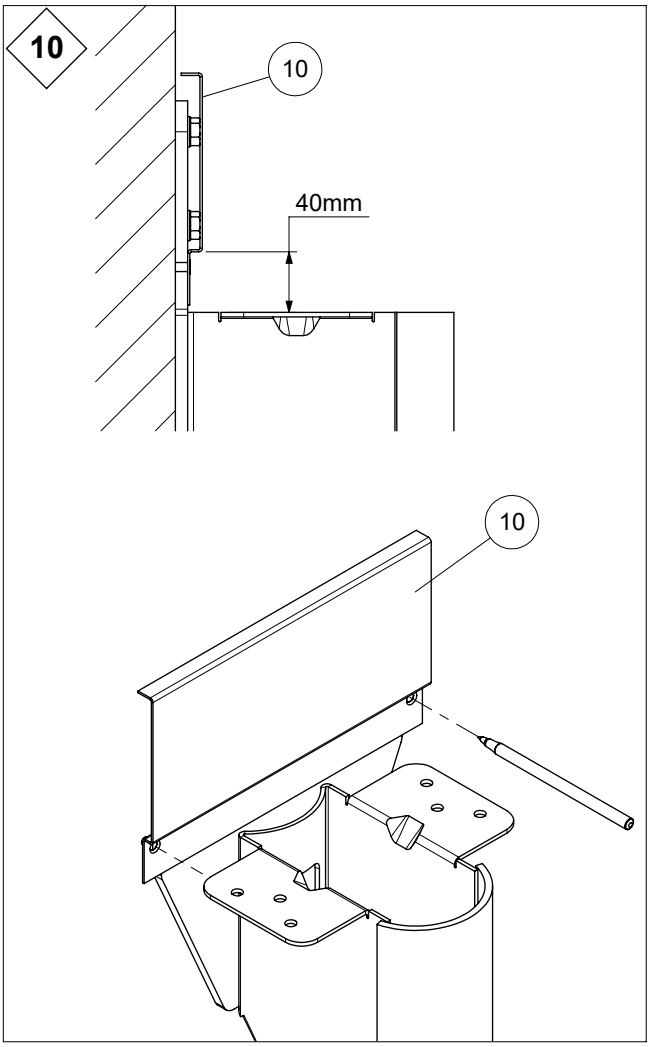


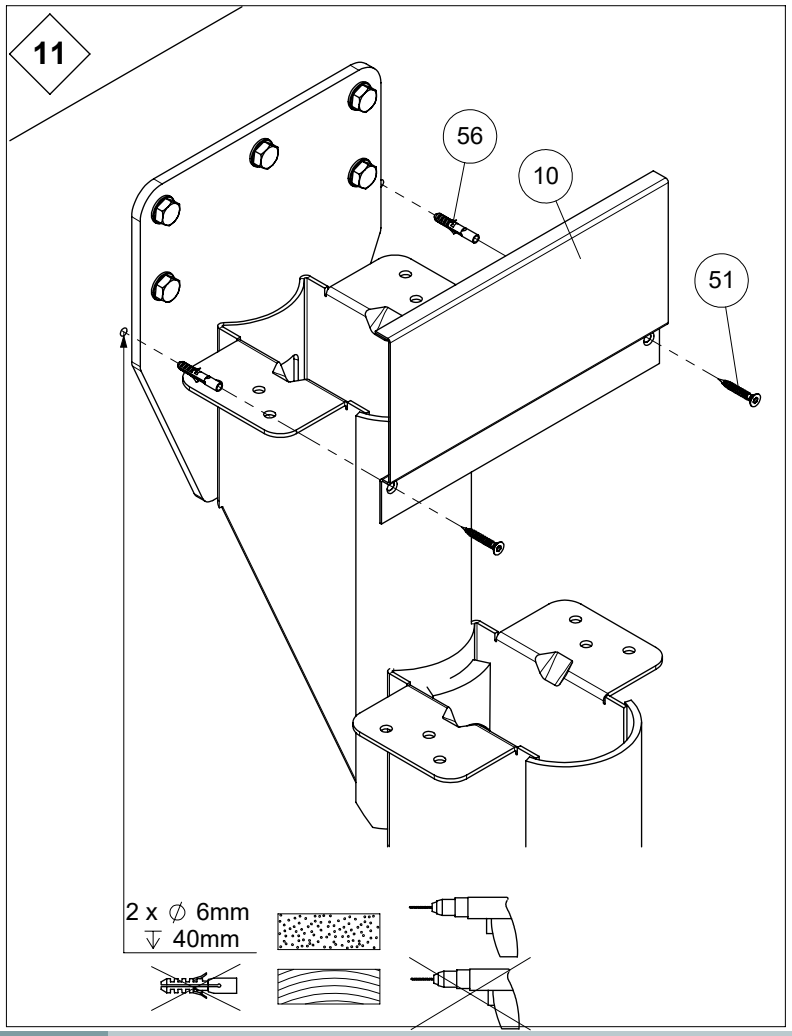

61
39
38
42
41
40
4 x ∅ 12mm
↧ 70mm
4 x ∅ 6mm
↧ 60mm

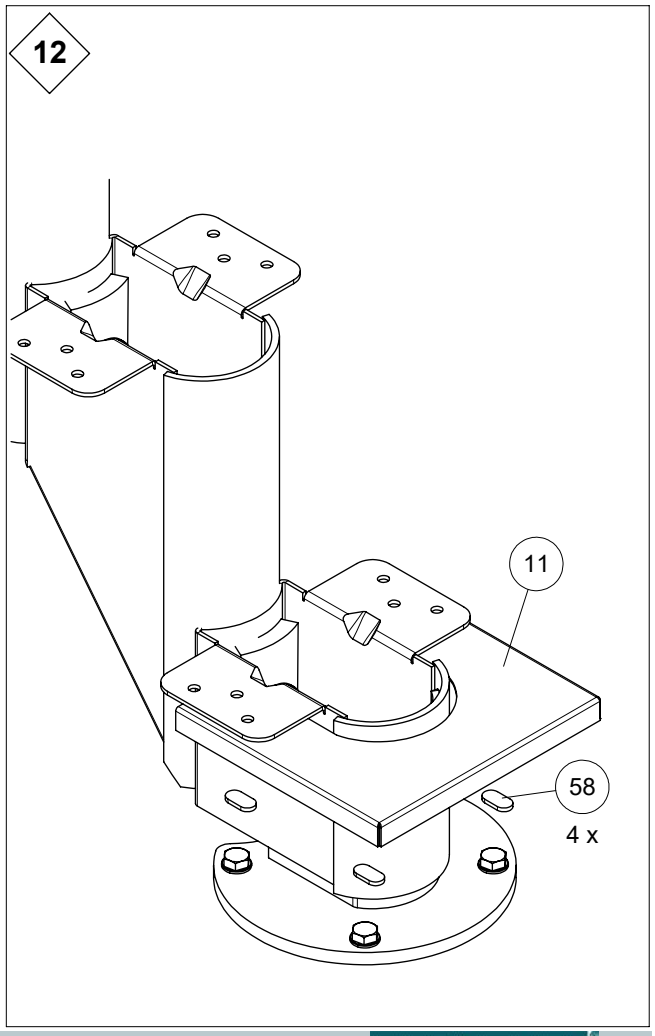
8


60
5
5
50mm
6
60mm
61
6
38
37

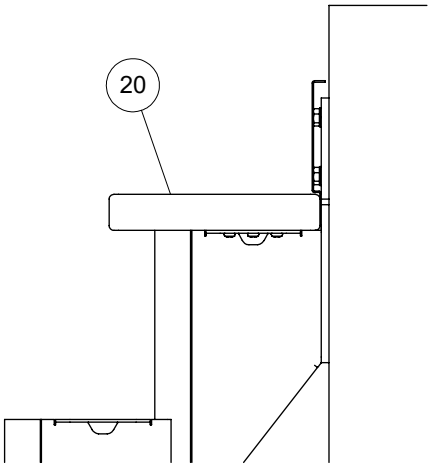

9
Min 140 Nm
61

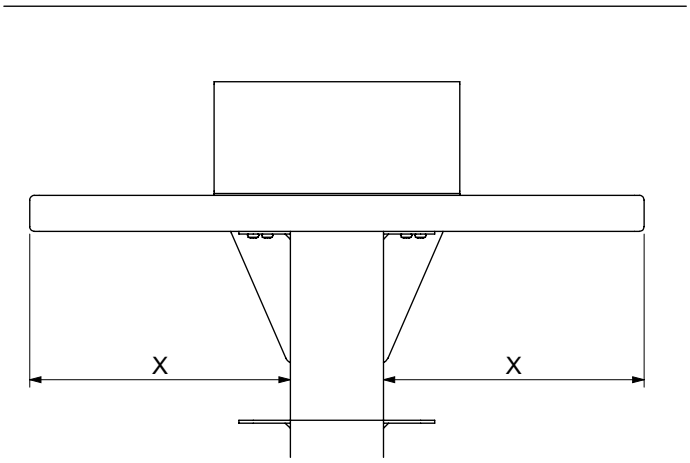

10
10
40mm
10

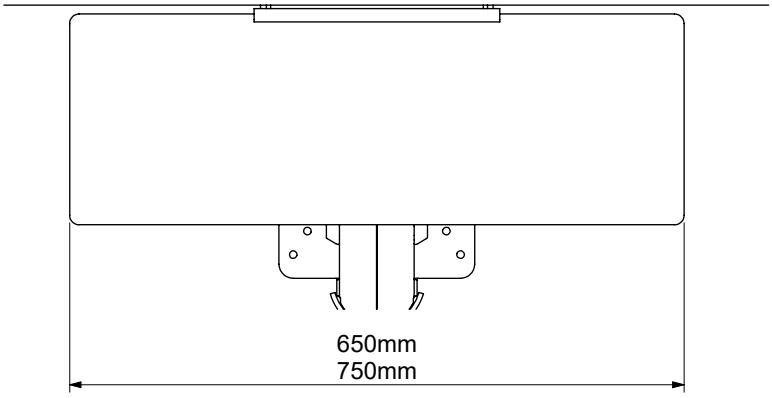

11
56
10
51
2 x ∅ 6mm
⇩ 40mm

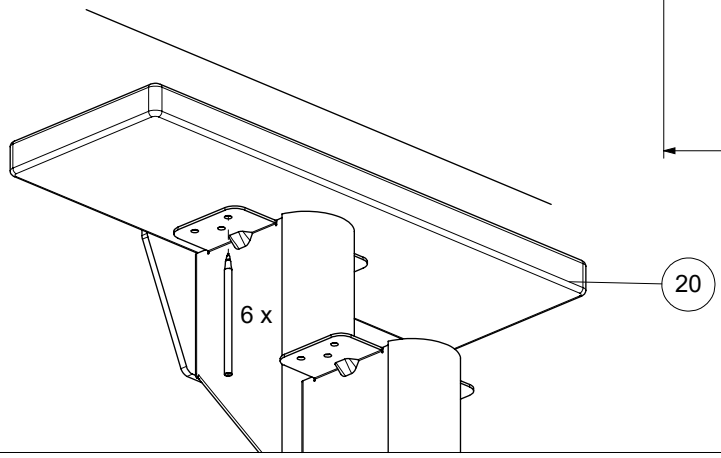

12
11
58
4 x

13

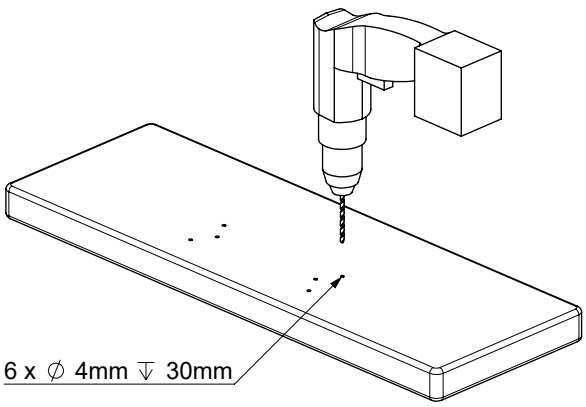




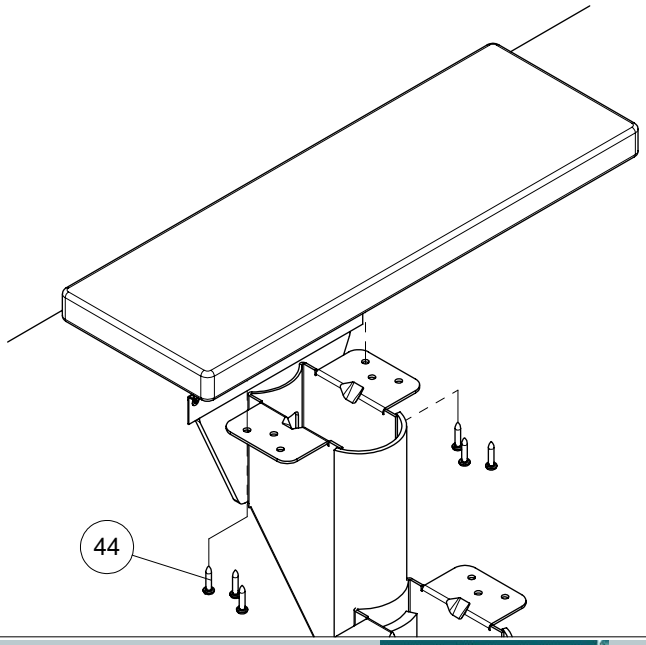




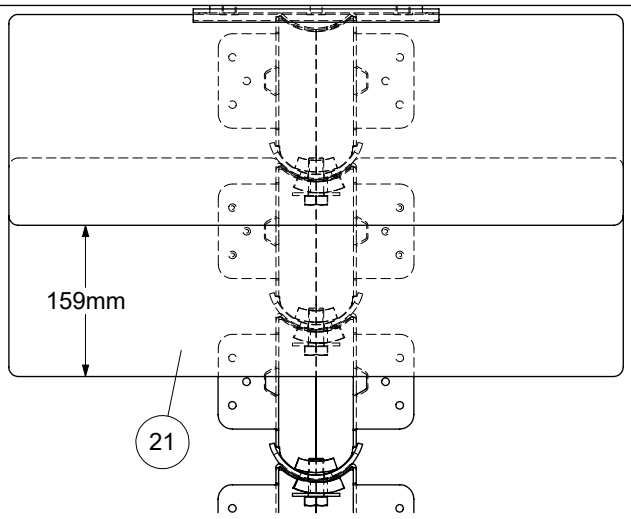
14

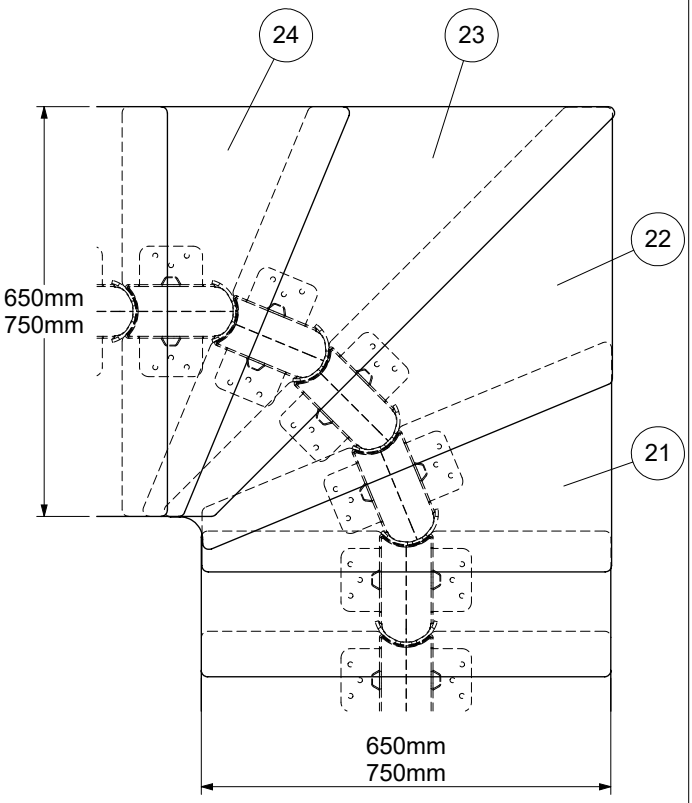


15

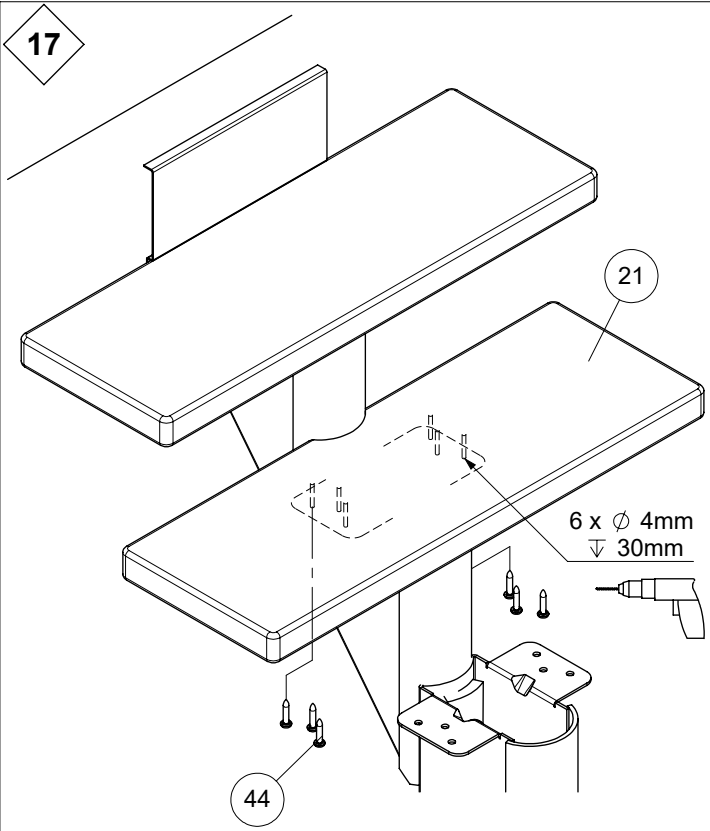


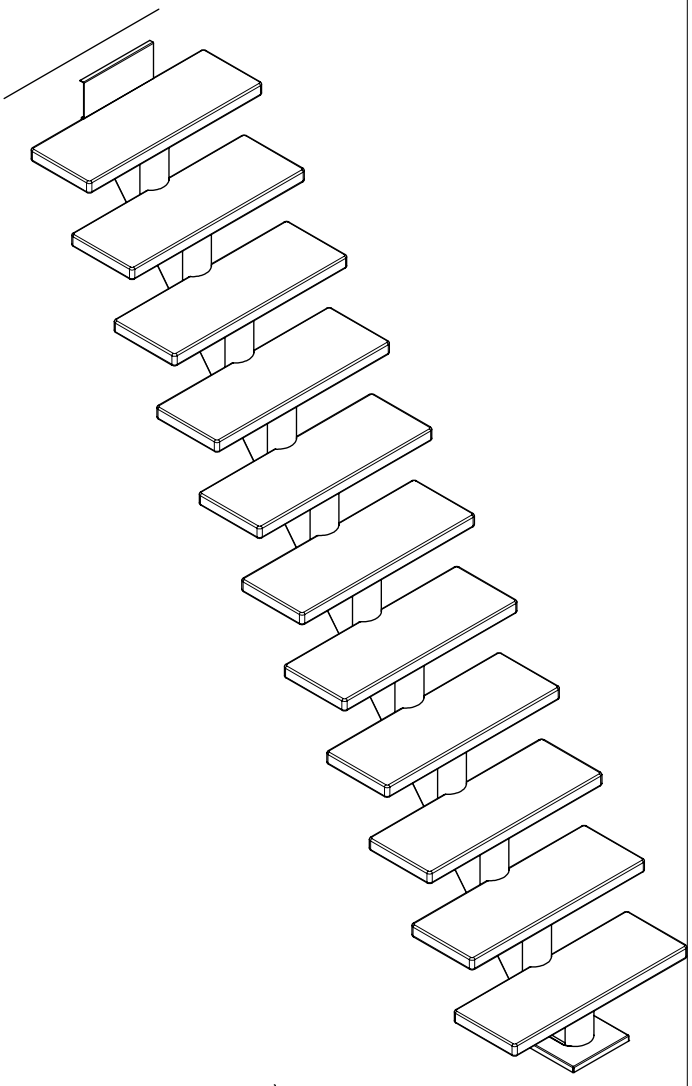
16

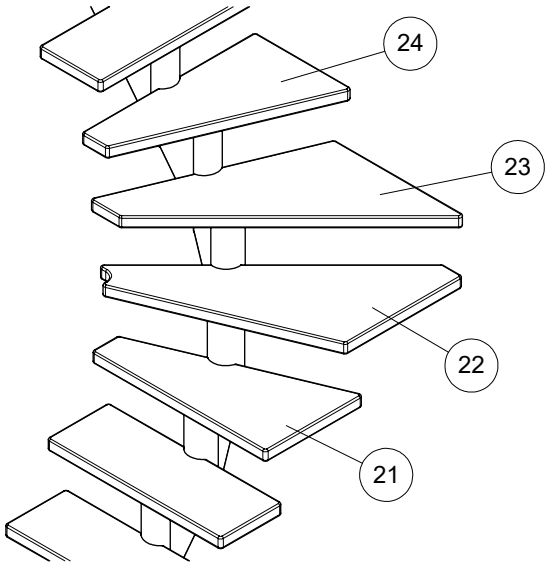

159mm
21


24
23
22
21
650mm
750mm
650mm
750mm

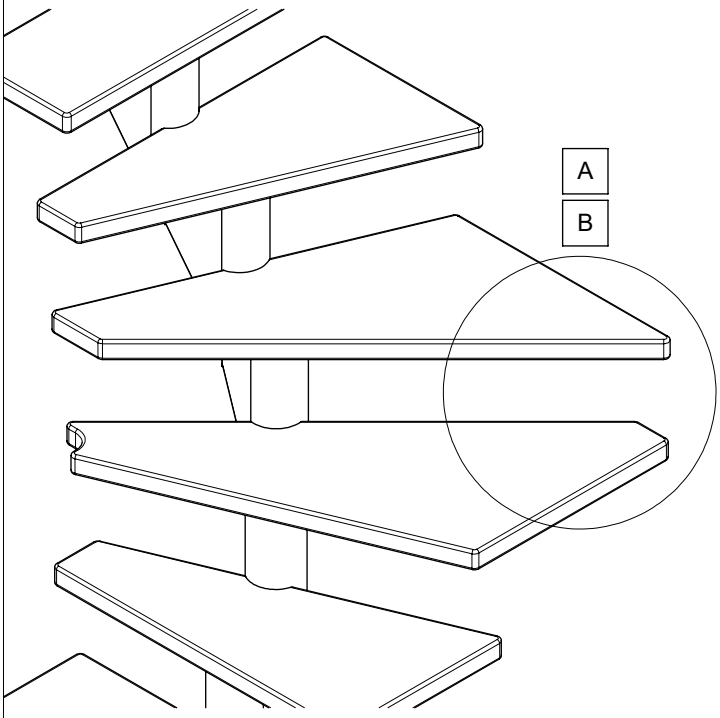
17

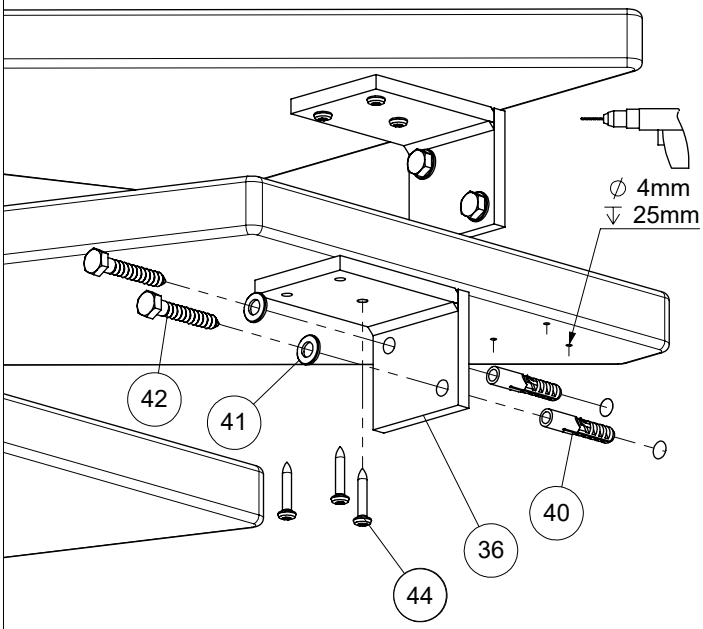

21
6 x ∅ 4mm
30mm
44

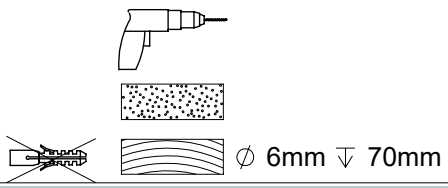



24
23
22
21

I	Mounting of wallbrackets is optional Die Montage von Wandhalterungen ist optional Montage van muurbeugels is optioneel Le montage de supports muraux est facultatif Montering af vægbeslag er valgfri
L	2 wall brackets in position A or B 2 Wandhalterungen in der Position A oder B 2 muurbeugels in positie A of B 2 supports mural dans la position A ou B 2 vægbeslag i position A eller B
U	4 wall brackets in position A or B 4 Wandhalterungen in der Position A oder B 4 muurbeugels in positie A of B 4 supports mural dans la position A ou B 4 vægbeslag i position A eller B







2 wall brackets must be mounted on a 1/4 turn or 4 on a 1/2 turn staircase.

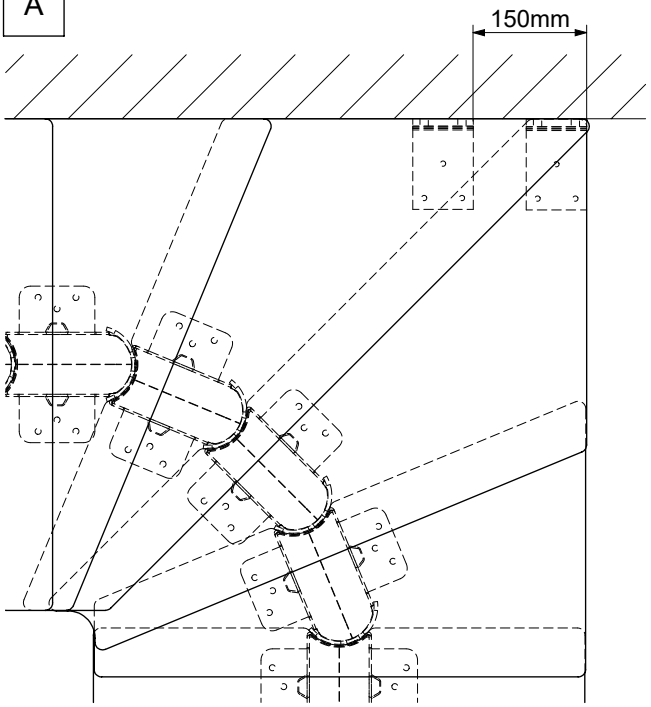
2 Wandhalterungen müssen auf einer 1/4-gewendelten oder 4 auf einer 1/2-gewendelten Treppe montiert werden.

2 muurbeugels moeten gemonteerd worden op een 1/4 draai of 4 op een 1/2 draai trap.

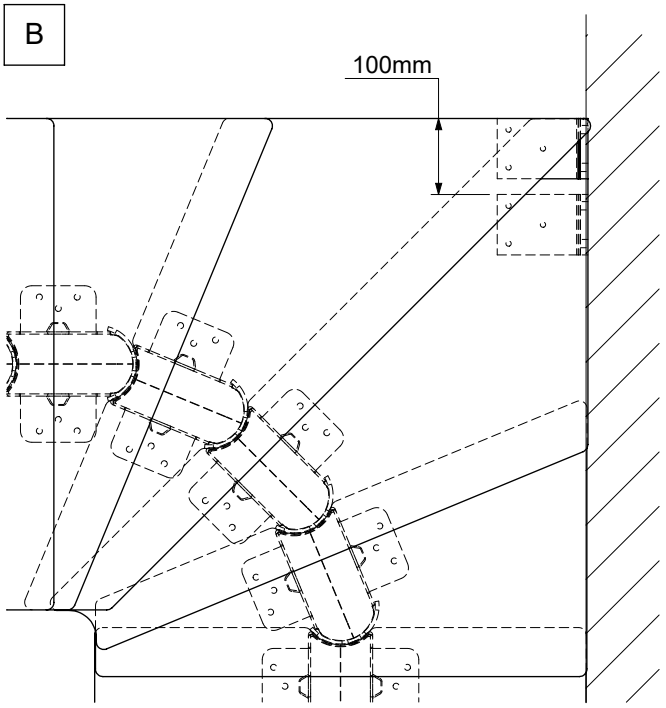
2 supports mural doivent être monté sur un escalier 1/4 ou 4 sur un escalier 1/2 tournant.

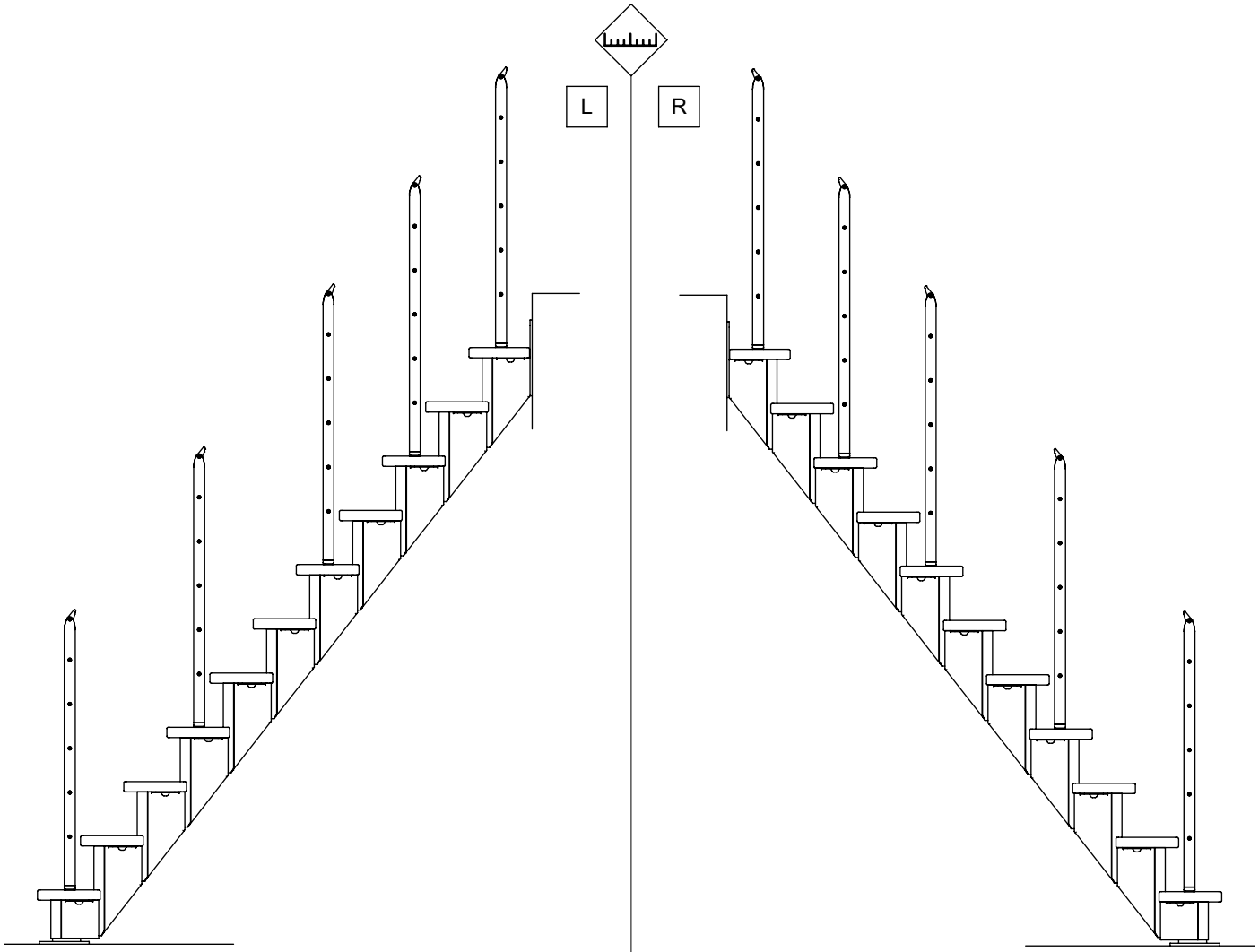
2 vægvinkler er påkrævet i en 1/4-svings- eller 4 i en 1/2-svings-trappe.

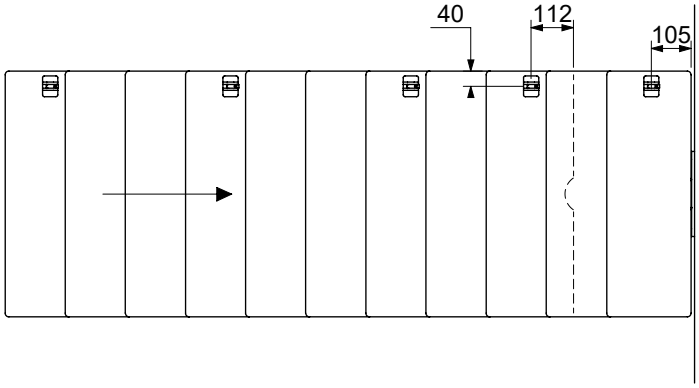
A

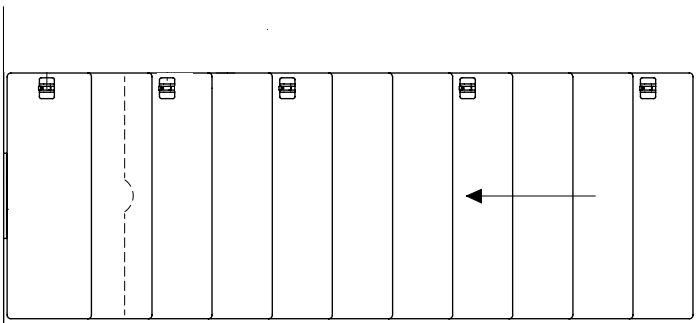


B

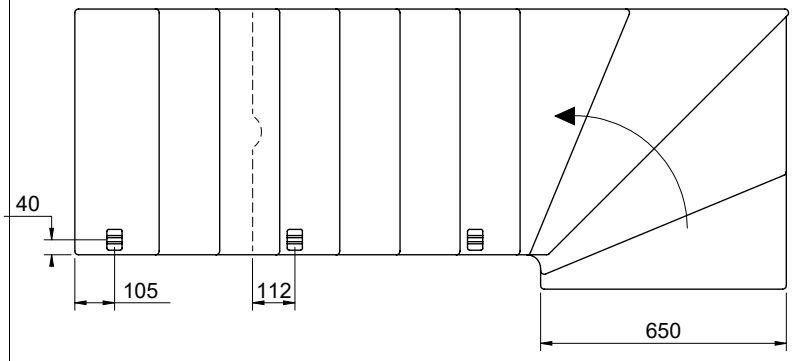


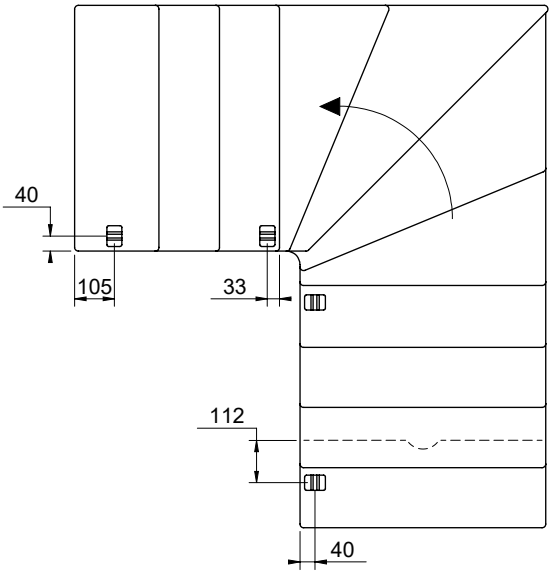

L
R

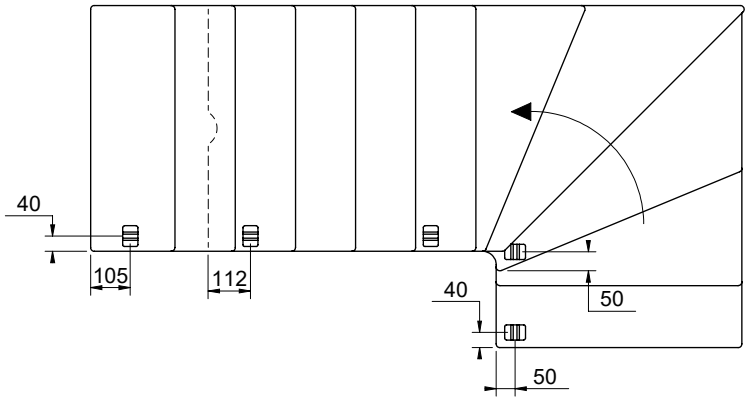

40
112
105

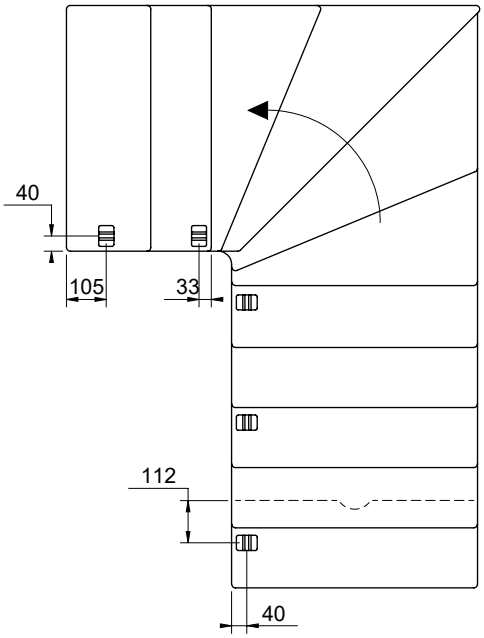


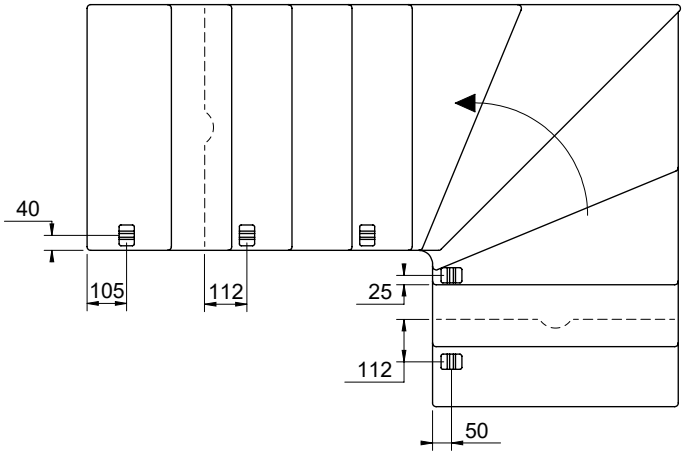
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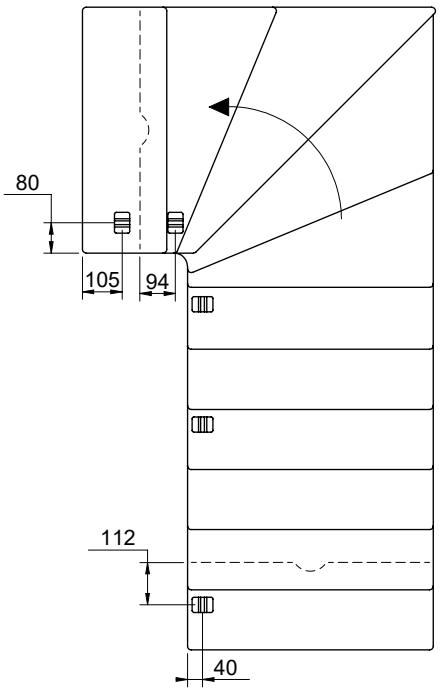

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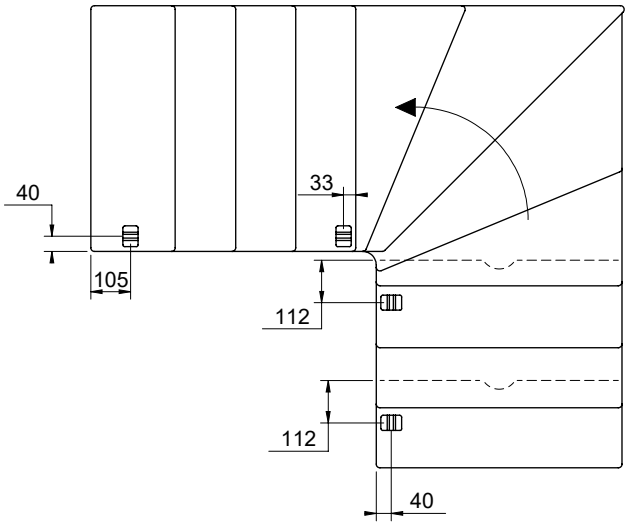

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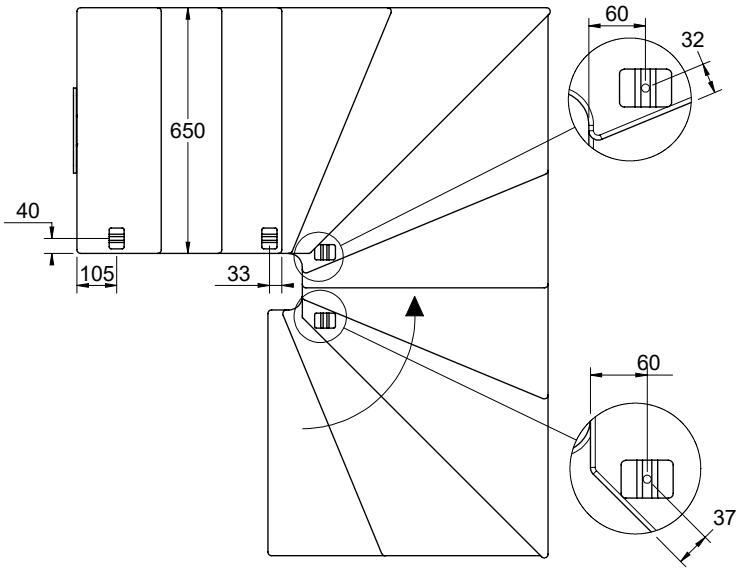

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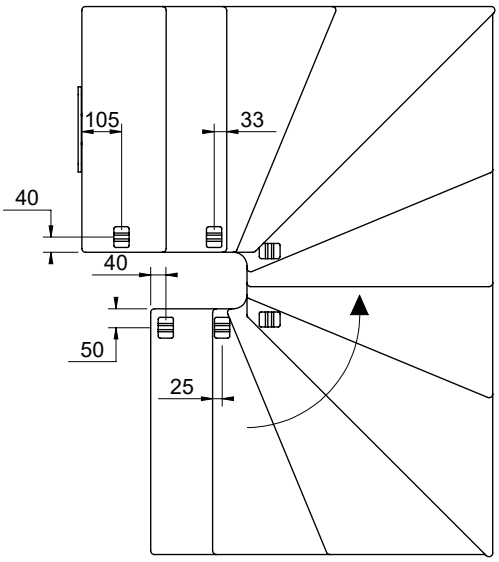

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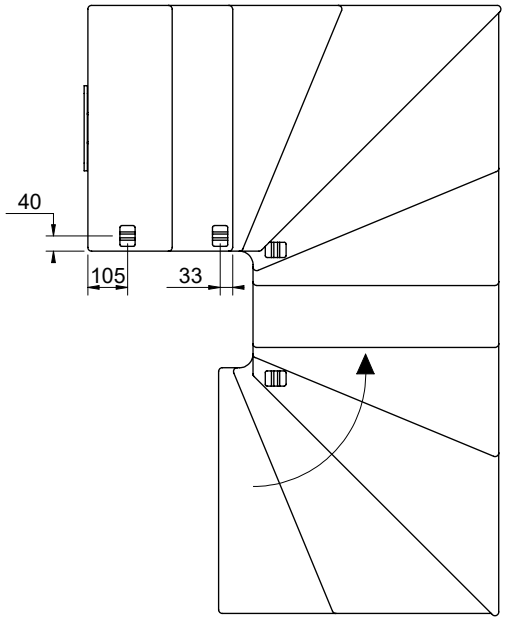

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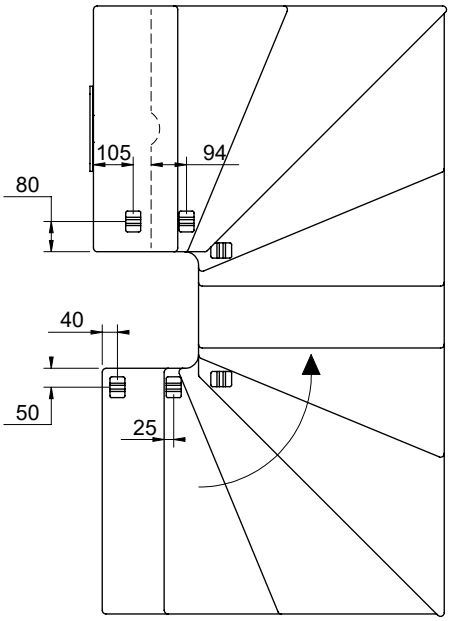

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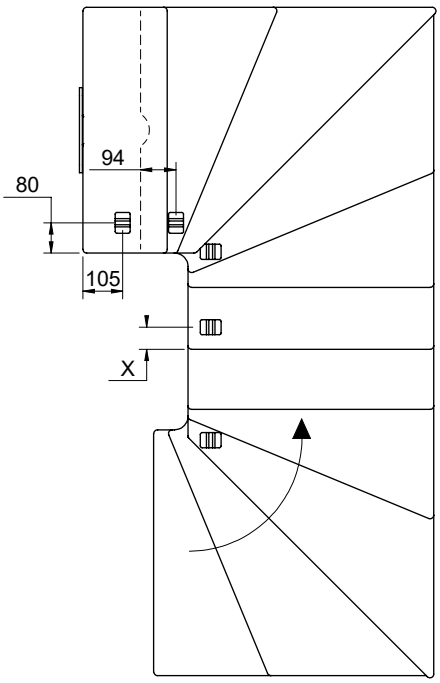
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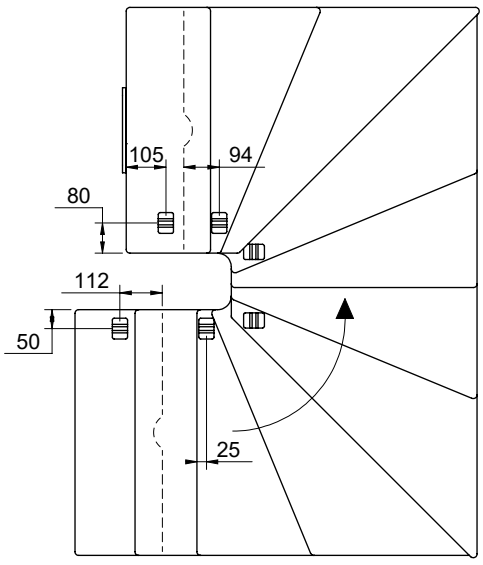

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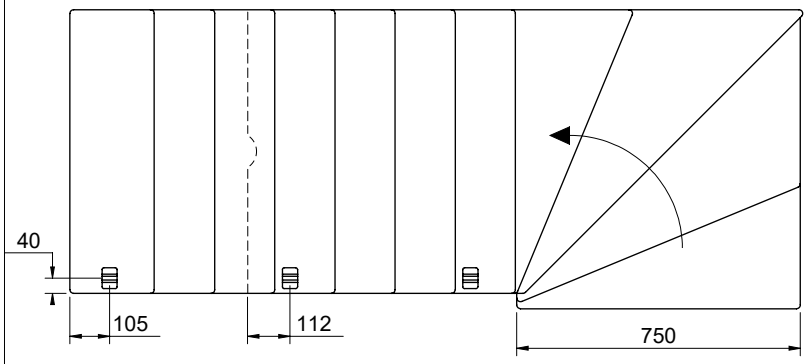

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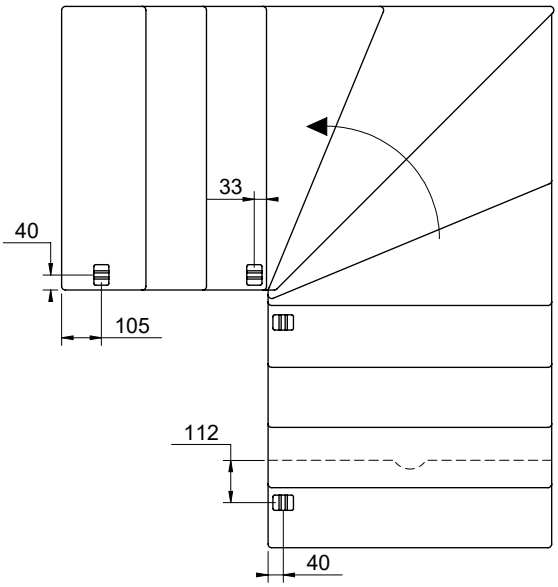

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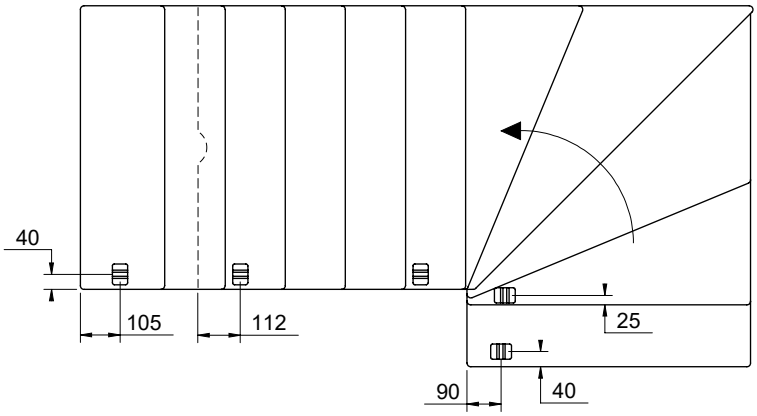

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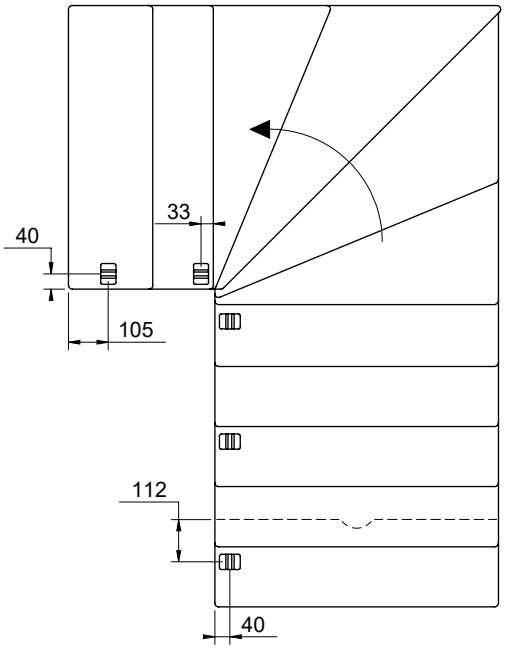

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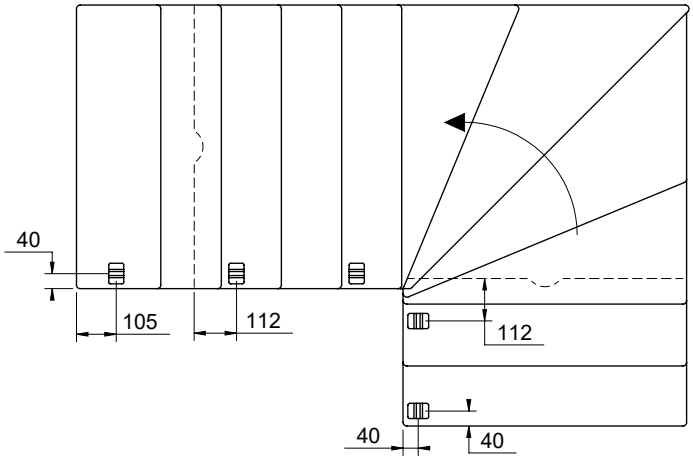
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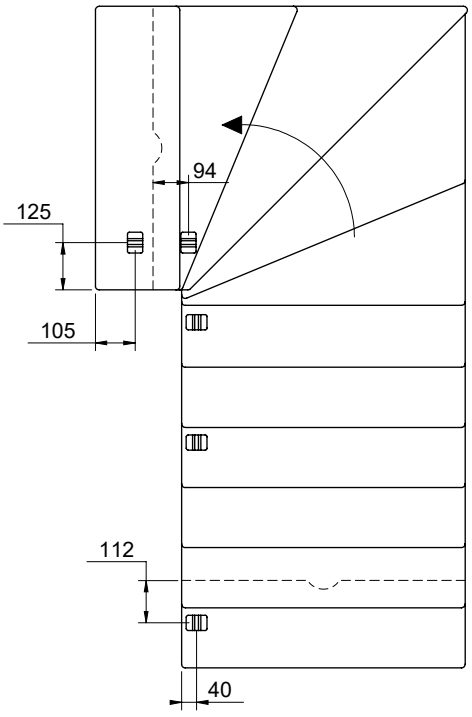

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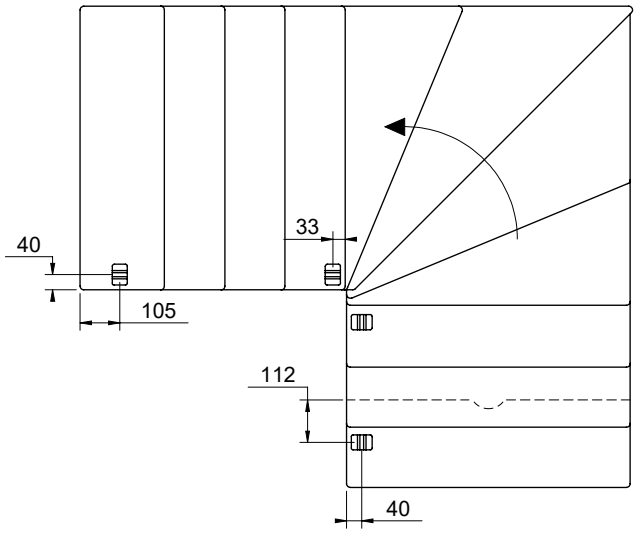

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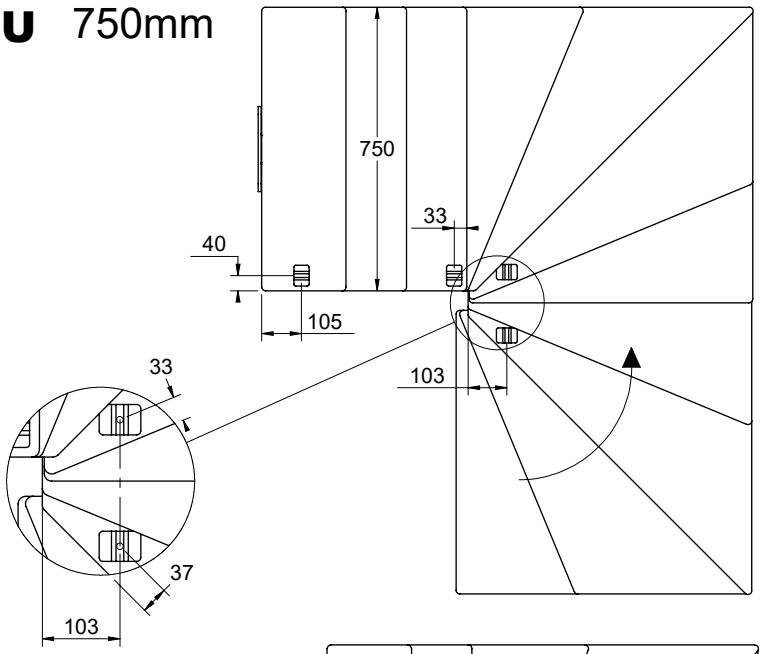

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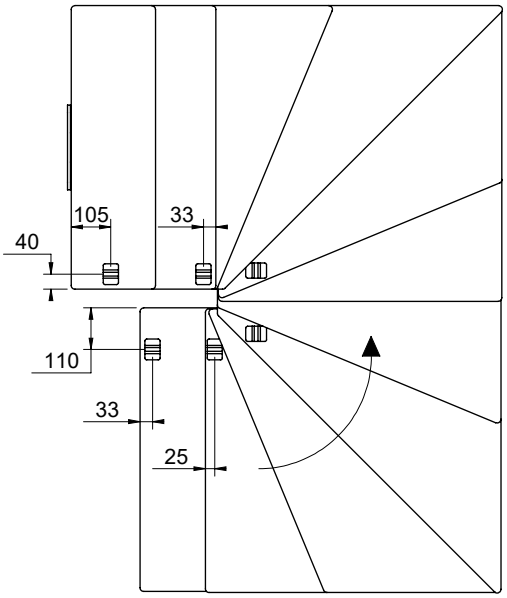

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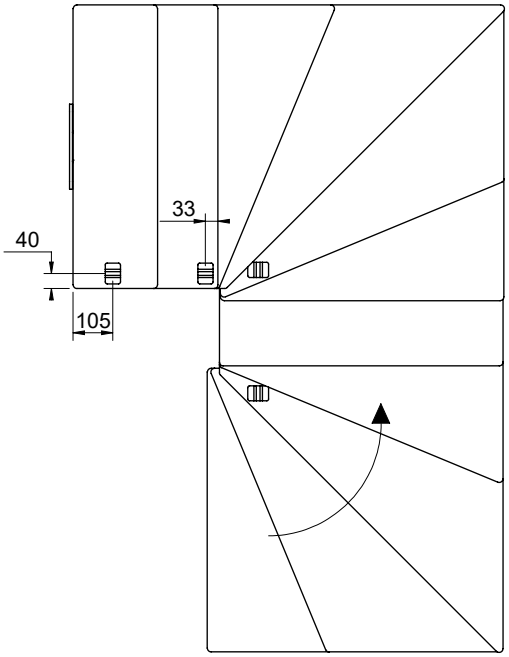

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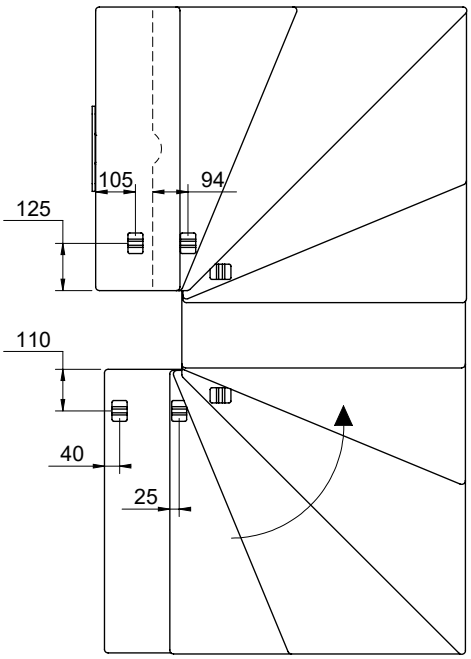

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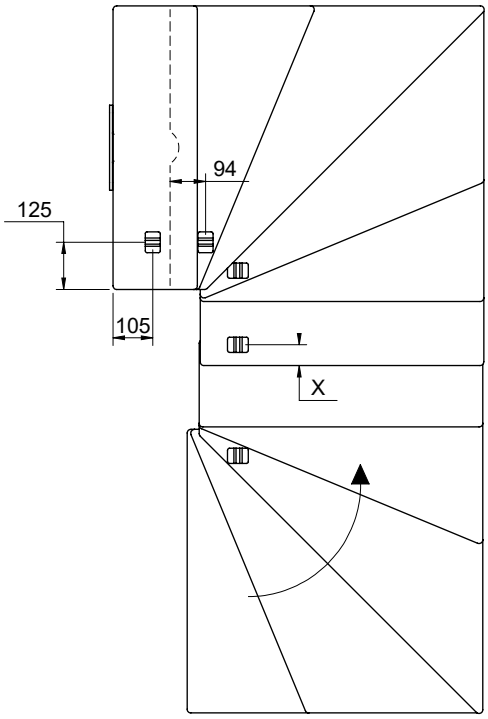
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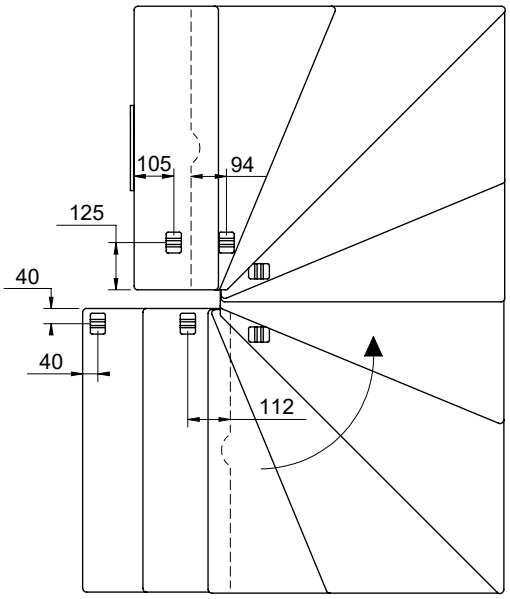

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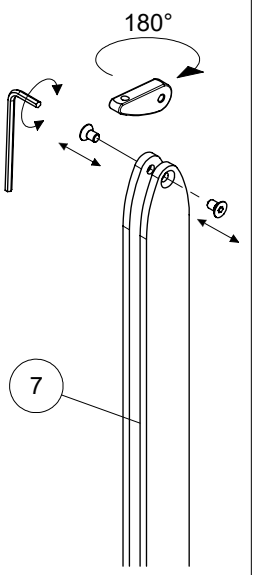

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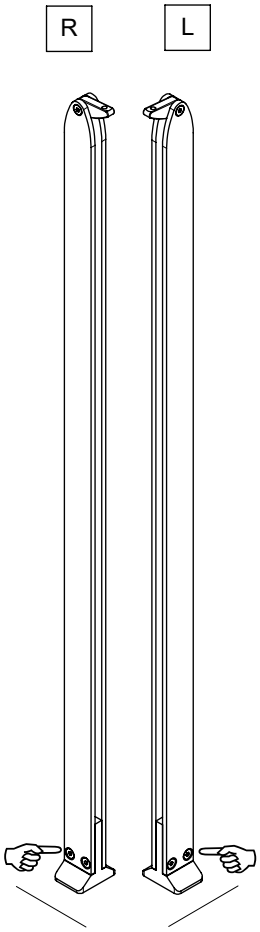

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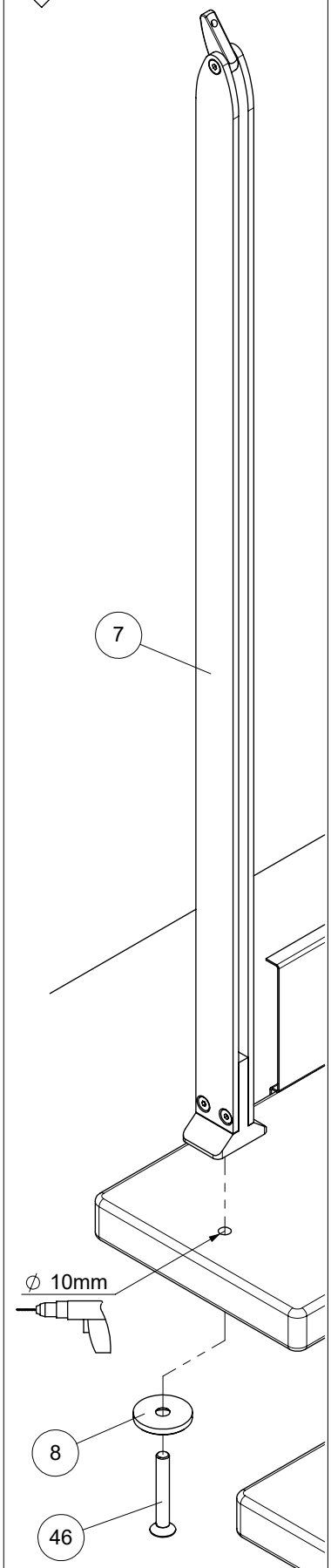

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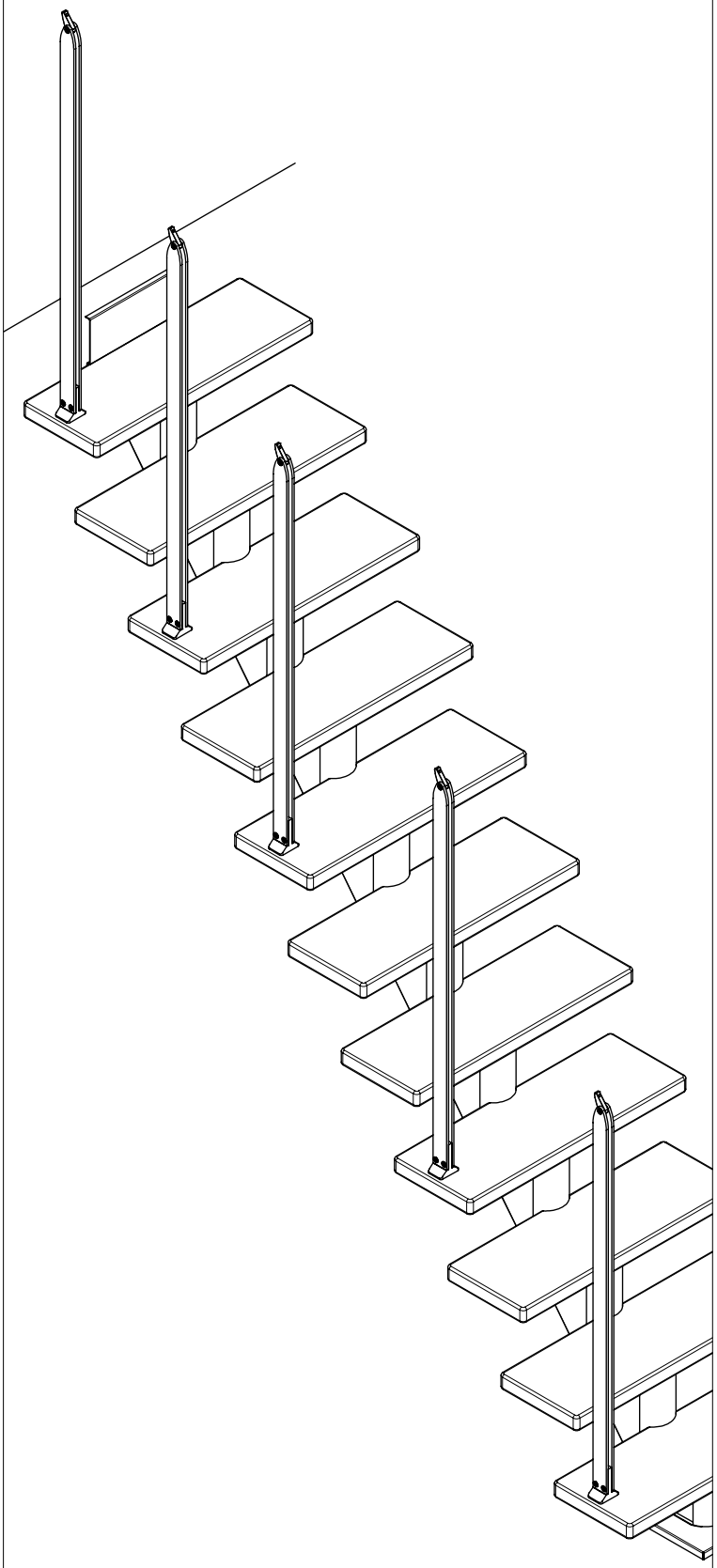




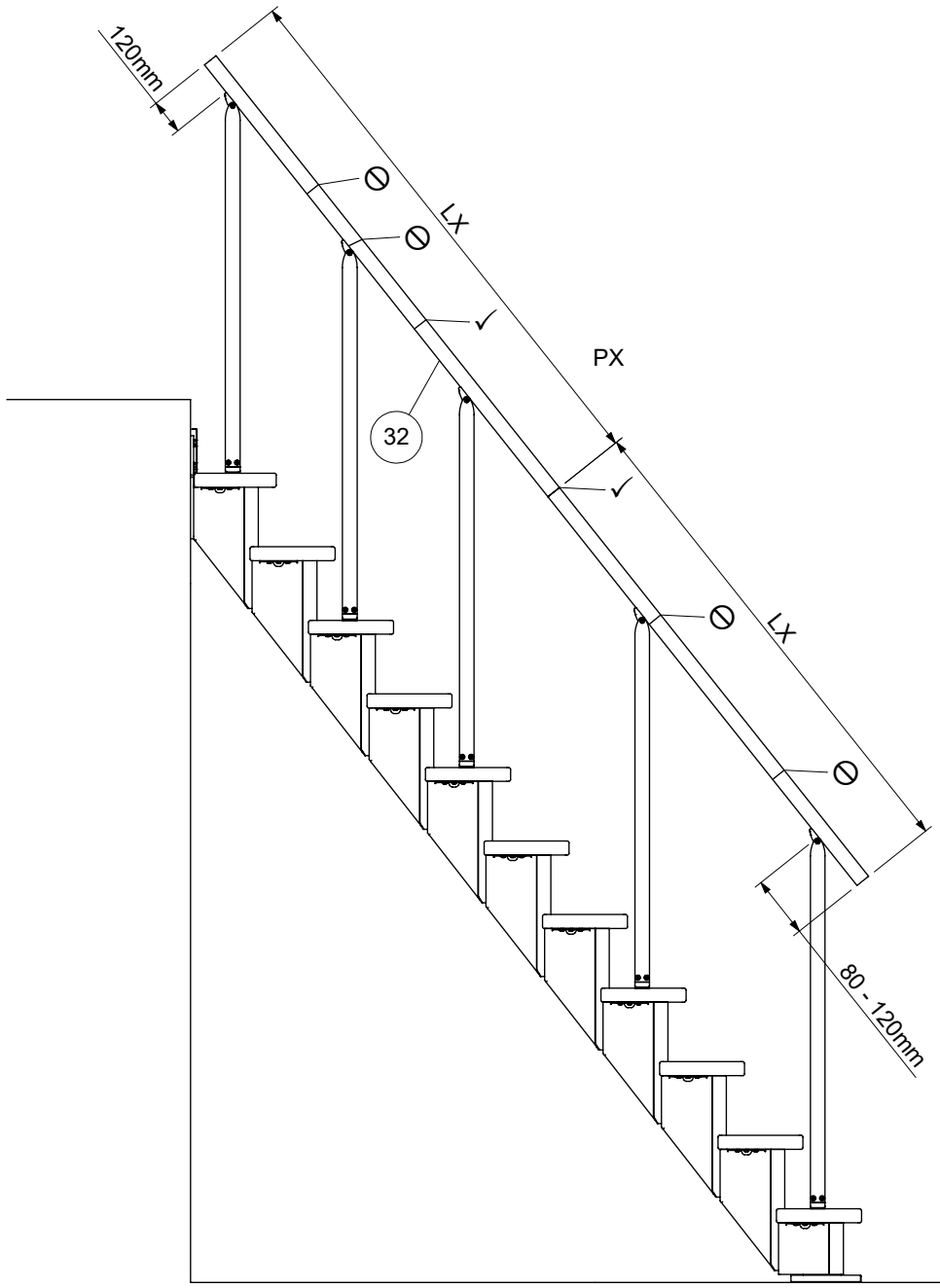
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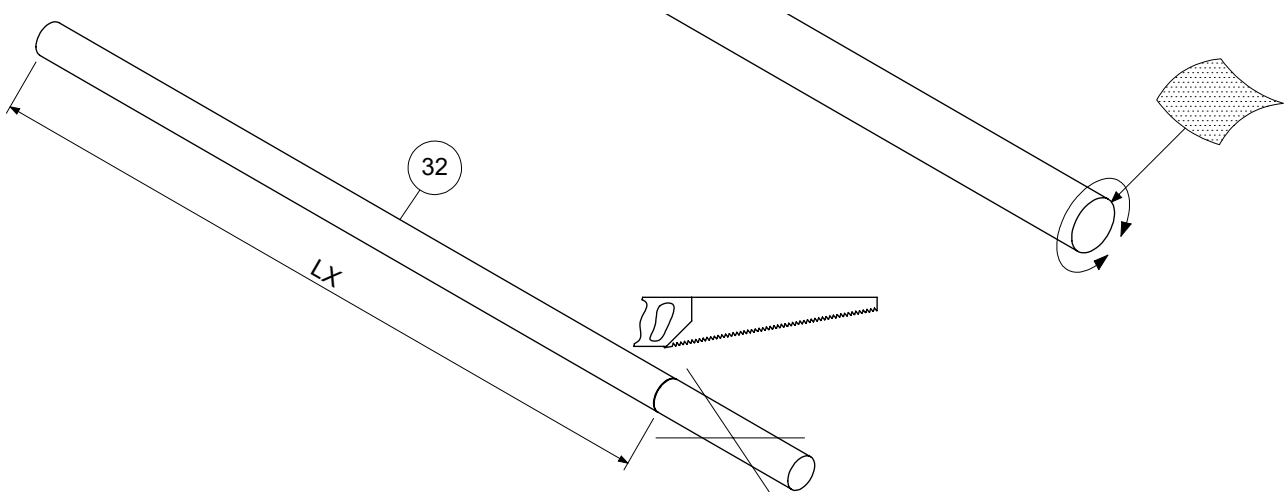
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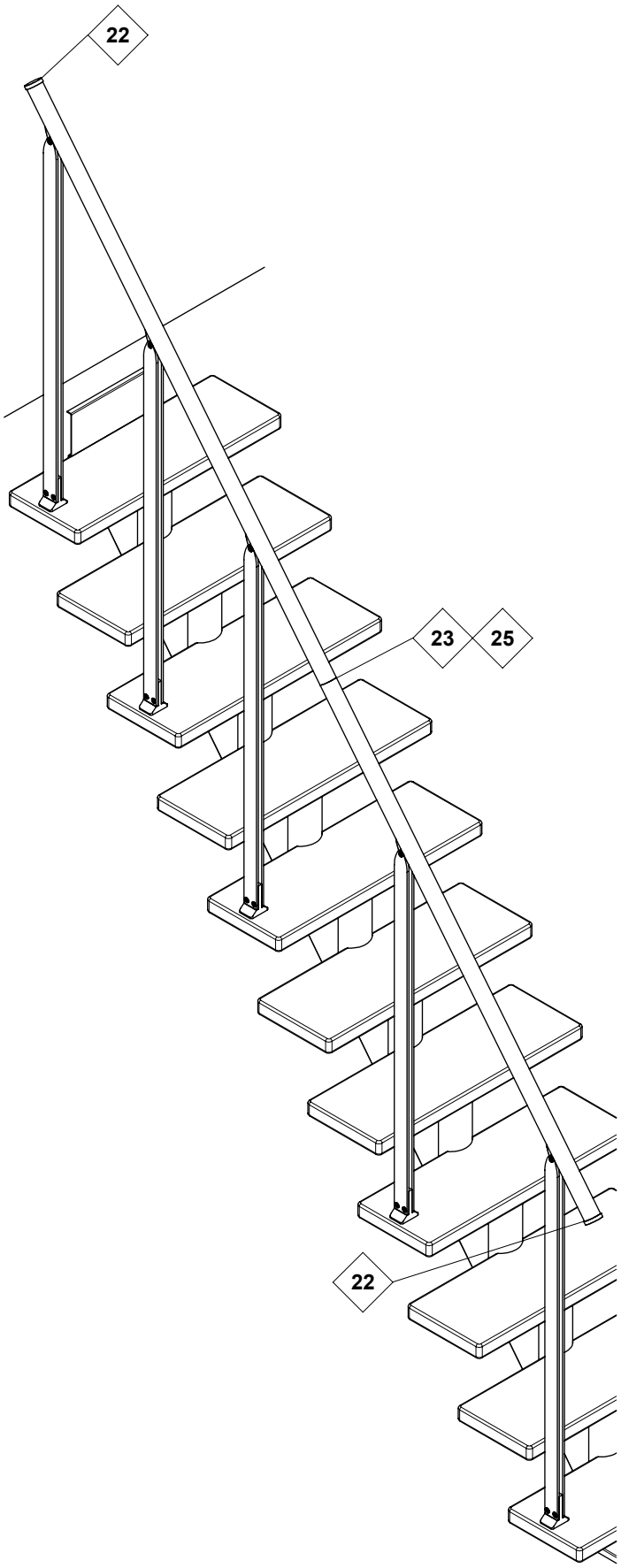


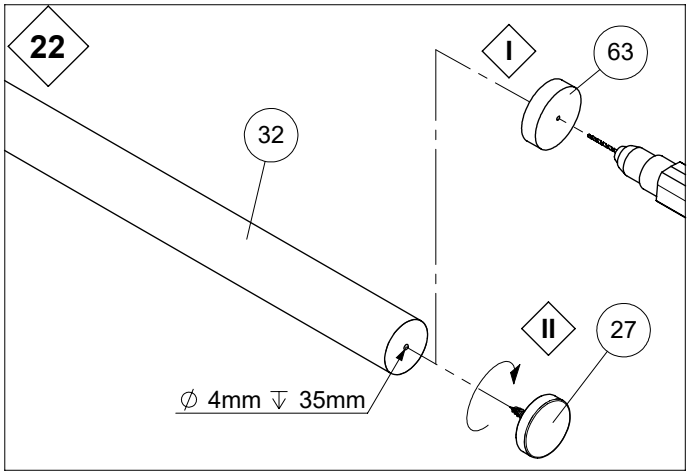
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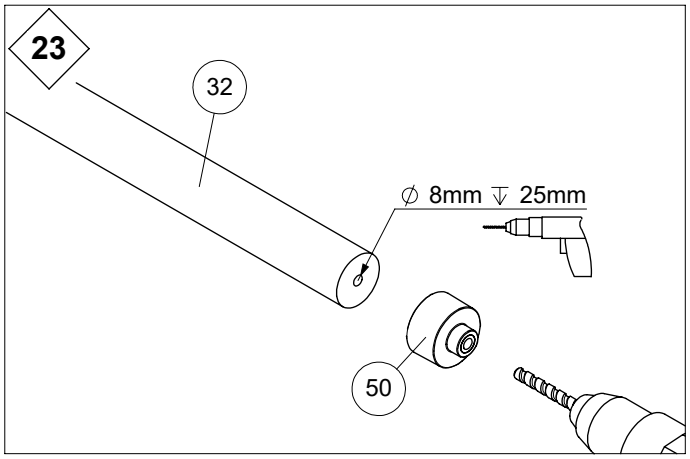


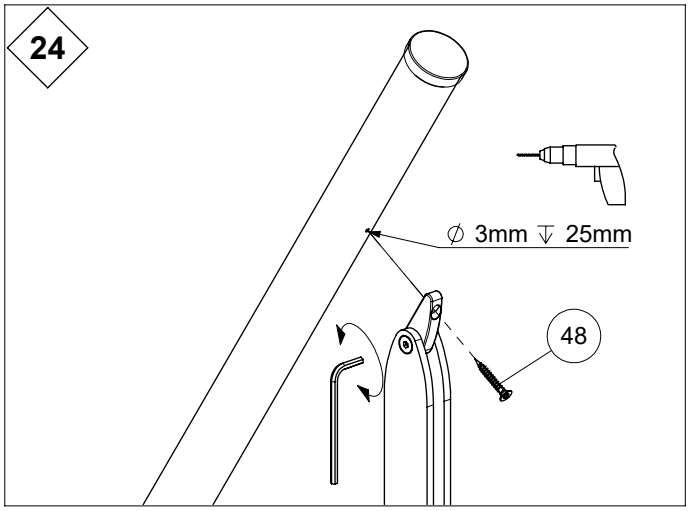
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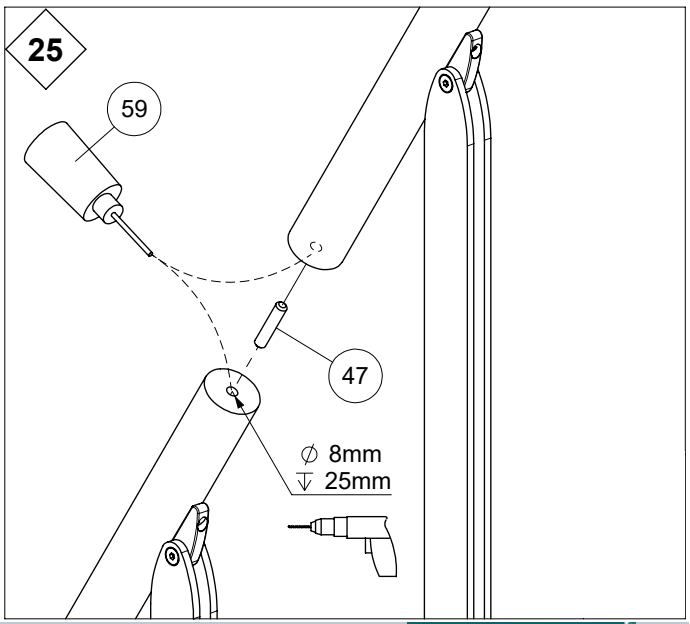


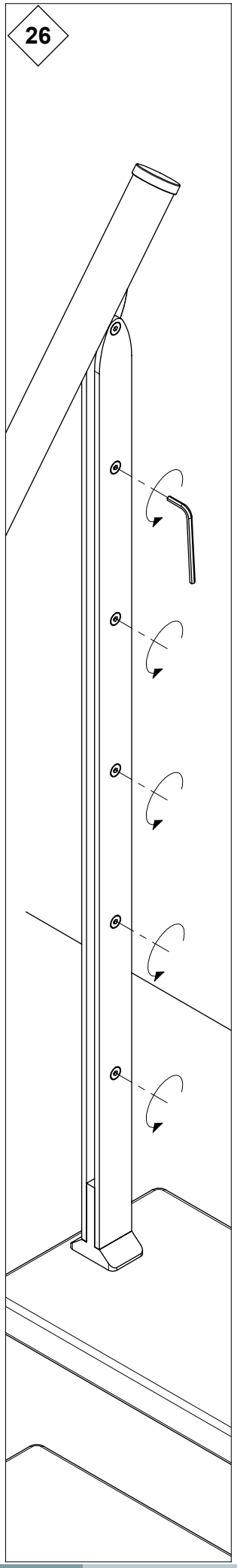

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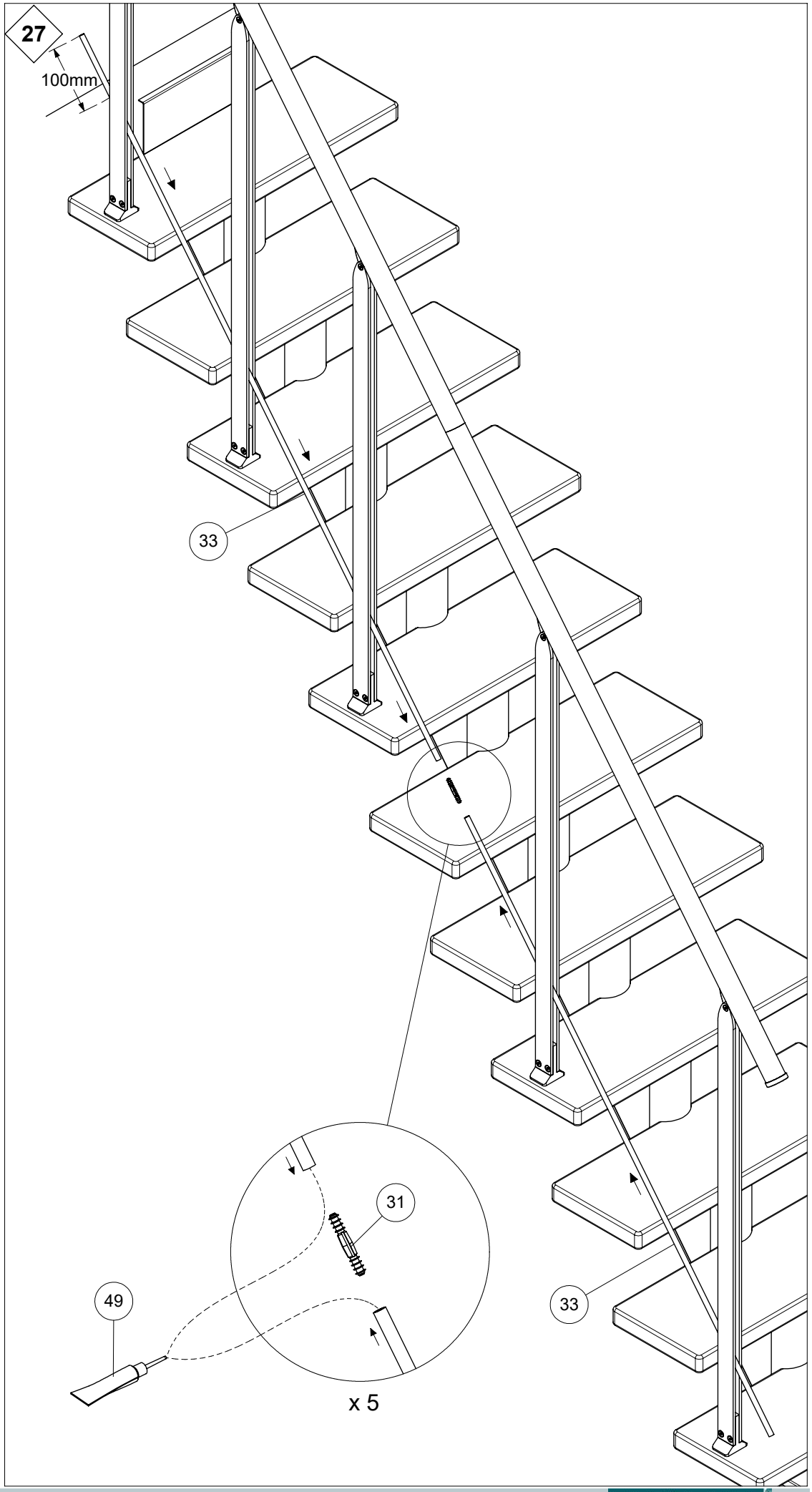

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∅ 4mm ↧ 35mm


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∅ 8mm ↧ 25mm
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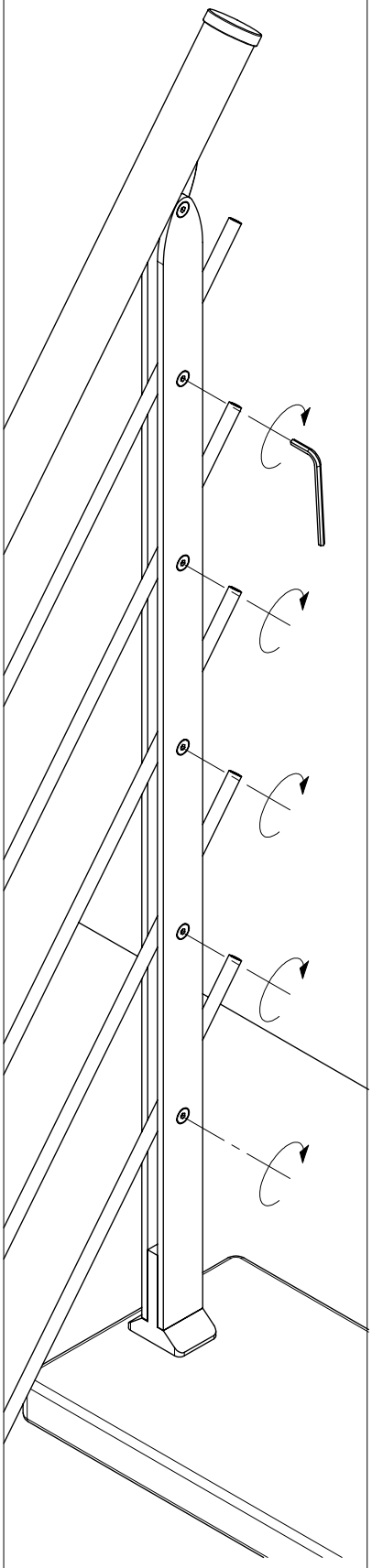

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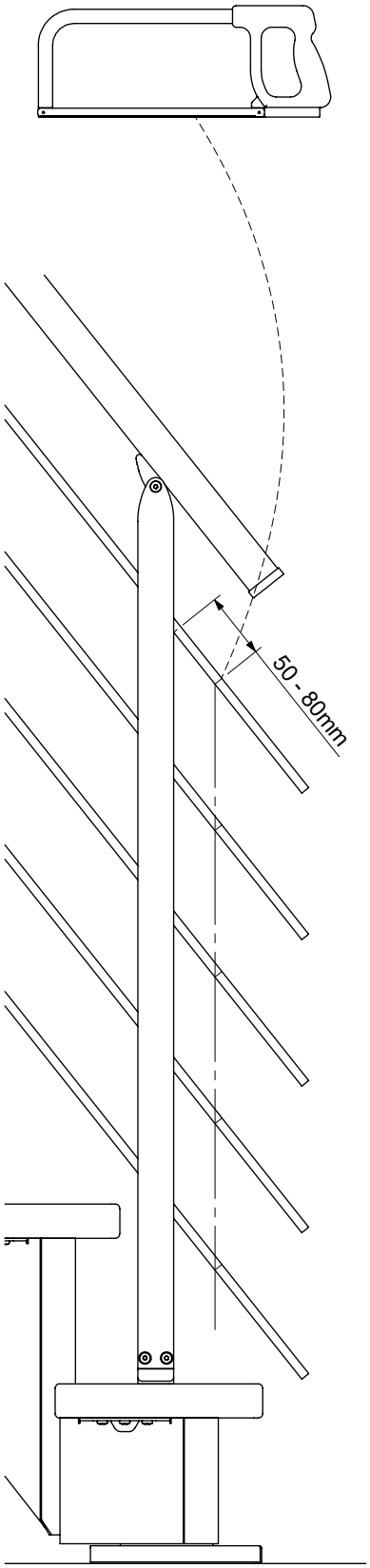

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x 5
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