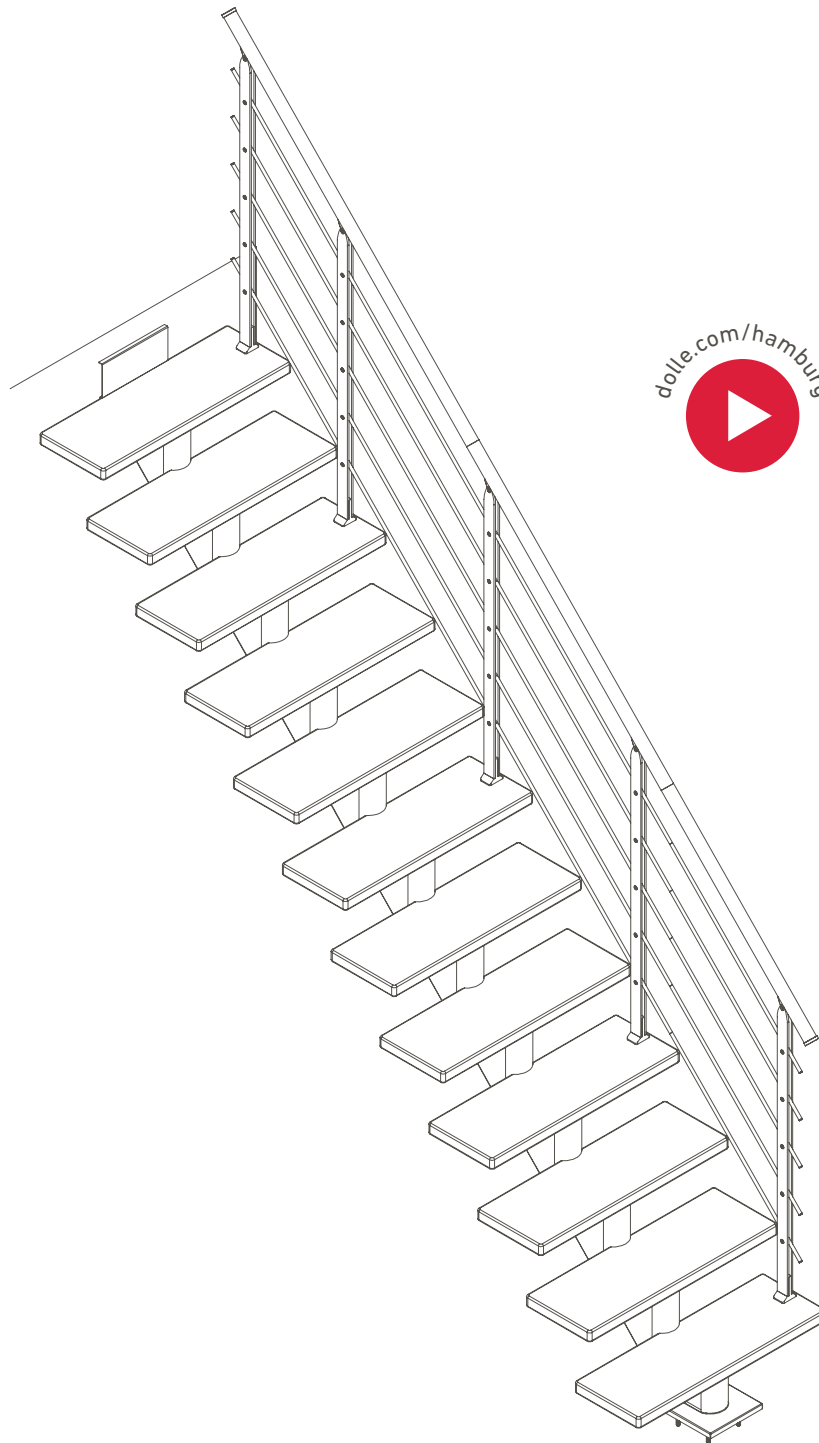




DESIGN BANISTER

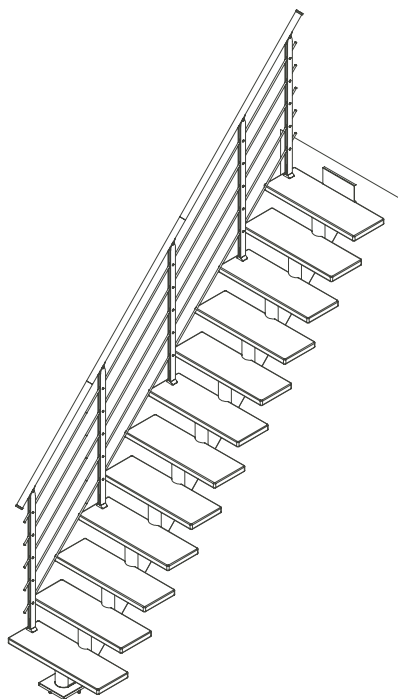
HAMBURG

**INSTRUCTION / MONTAGEANLEITUNG
INSTRUKTION / INSTRUCCION / INSTRUKCJA**

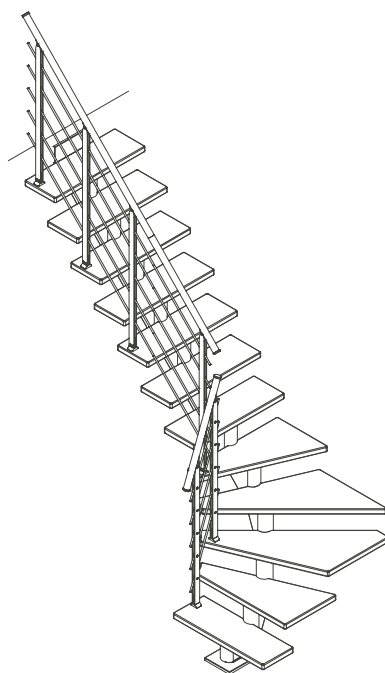
SOGEM®

PART OF DOLLE GROUP

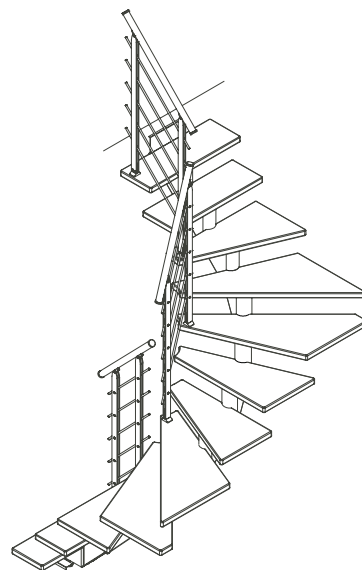
I



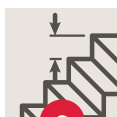
L



U



H

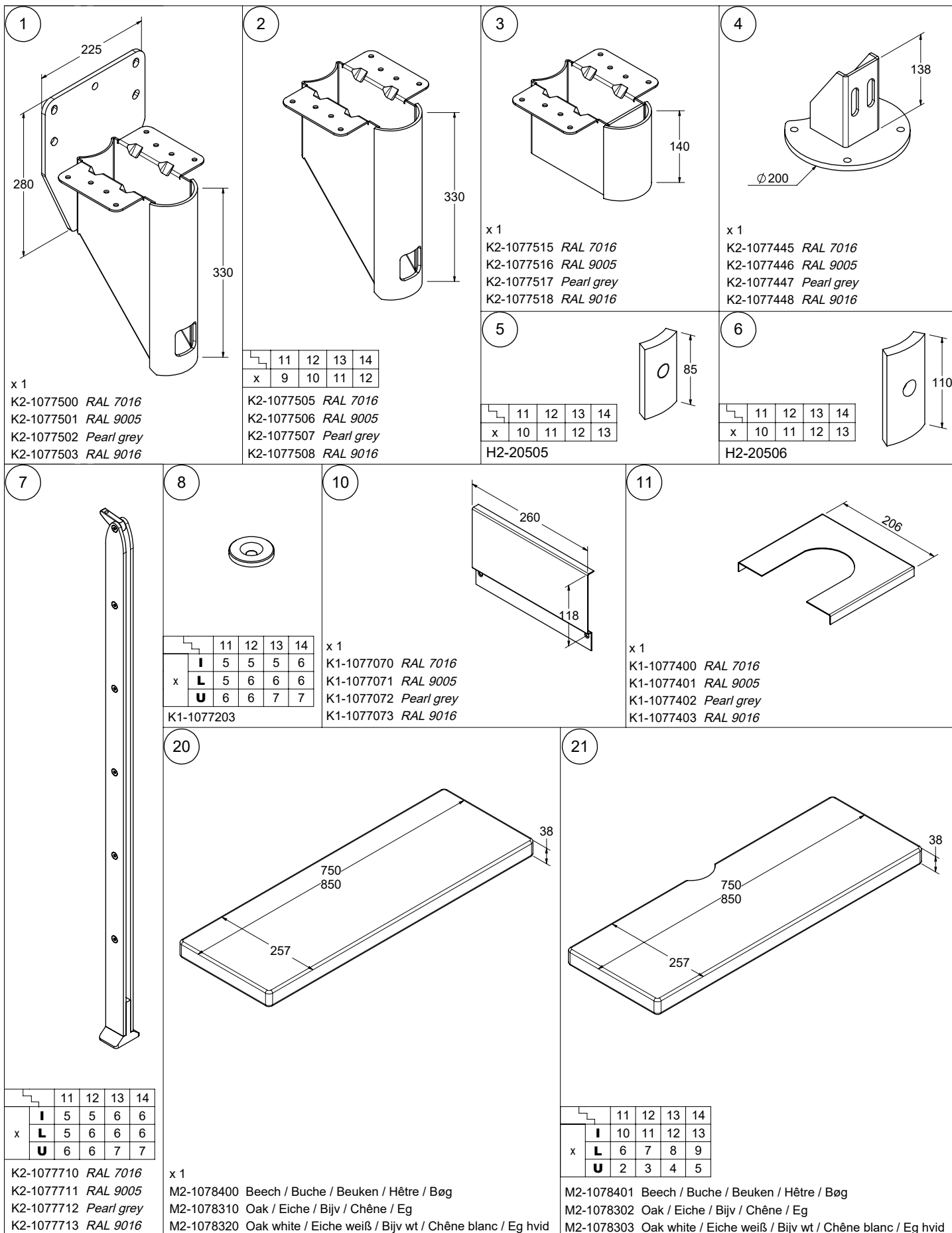


S



T

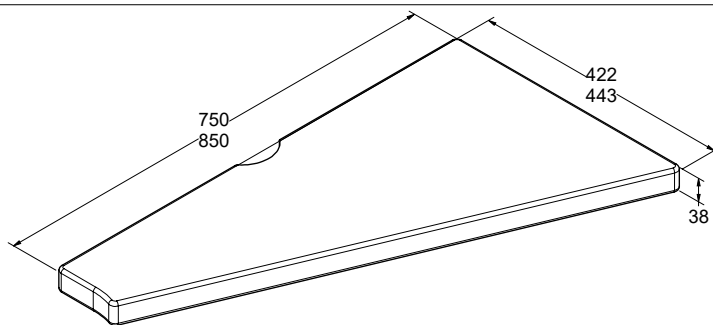
	Height floor-to-floor	Rise height	Number of treads
	Geschosshöhe	Steigungshöhe	Anzahl Stufen
	Hauteur sol-sol	Hauteur de marche	Nombre de marches
	Altura de suelo/suelo	Altura de peldaños	Número de peldaños
	Altura do chão / chão	Altura do degrau	Número de etapas (degraus)
	Hoogte vloer/vloer	Hoogte 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
	Висота от пола до пола	Шар 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



25

	I	0
x	L	1
	U	2

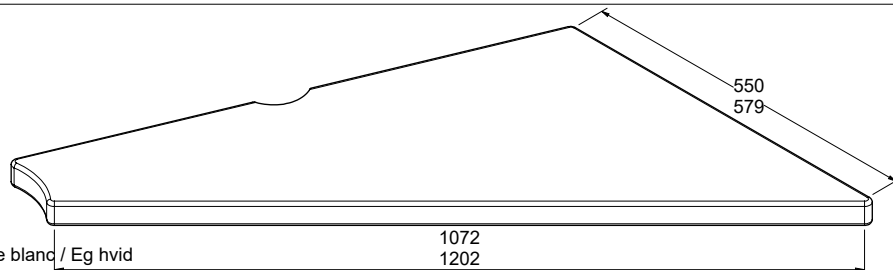
M2-1078409 750 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078419 750 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078429 750 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid
 M2-1078459 850 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078469 850 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078479 850 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid



24

	I	0
x	L	1
	U	2

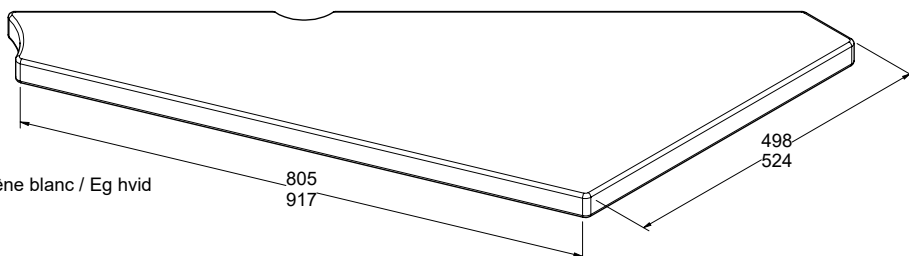
M2-1078408 750 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078418 750 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078428 750 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid
 M2-1078458 850 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078468 850 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078478 850 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid



23

	I	0
x	L	1
	U	2

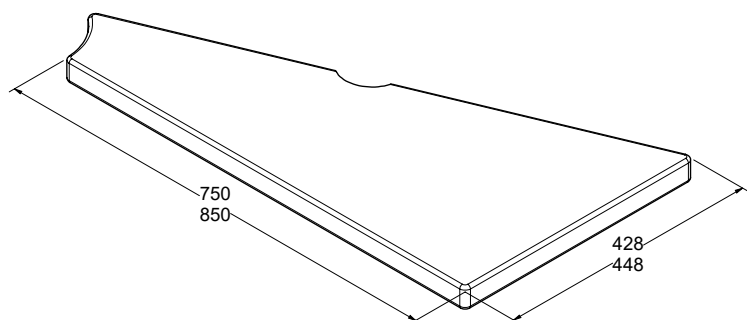
M2-1078407 750 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078417 750 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078427 750 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid
 M2-1078457 850 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078467 850 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078477 850 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid



22

	I	0
x	L	1
	U	2

M2-1078406 750 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078416 750 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078426 750 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid
 M2-1078456 850 mm Beech / Buche / Beuk / Hêtre / Bøg
 M2-1078466 850 mm Oak / Eiche / Eik / Chêne / Eg
 M2-1078476 850 mm Oak white / Eiche weiss / Eik wit / Chêne blanc / Eg hvid



27

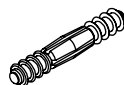
		11	12	13	14
x	I	2	2	2	2
	L	4	4	4	4
	U	6	6	6	6

K1-1077720



30

x 10
 K3-08023



31

		11	12	13	14
x	I	10	10	10	10
	L	20	20	20	20
	U	30	30	30	30

K1-18099



32



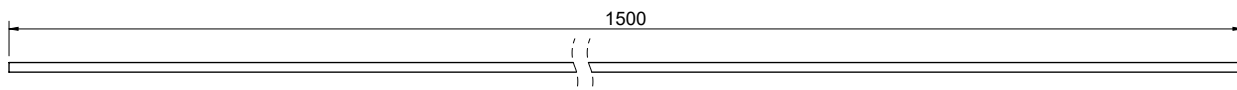
		11	12	13	14
x	I	3	3	3	3
	L	2	2	3	3
	U	2	2	2	2

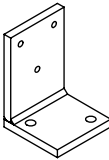
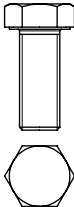
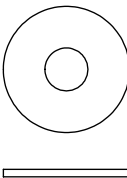
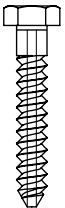
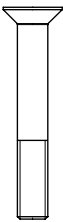
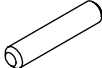
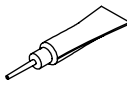
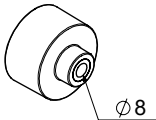
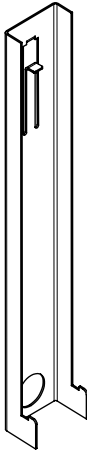
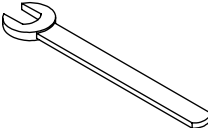
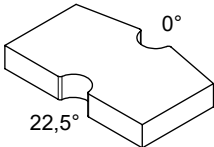
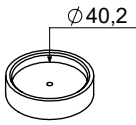
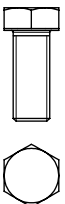
M2-1078905 Beech / Buche / Beuken / Hêter / Bøg
 M2-1078915 Oak / Eiche / Bijv / Chêne / Eg
 M2-1078917 Oak white / Eiche weiß / Bijv wit / Chêne blanc / Eg hvid

33



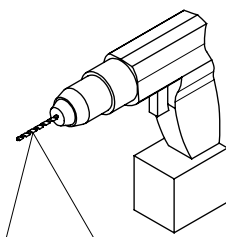
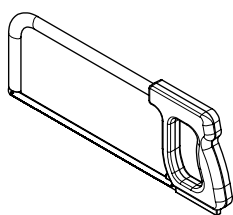
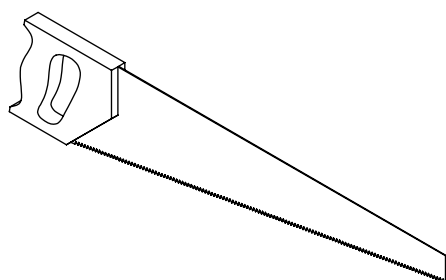
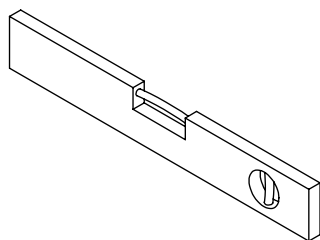
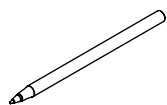
x 15
 K1-18049



36 x 4 K1-1077295 RAL 7016 K1-1077296 RAL 9005 K1-1077297 Pearl grey K1-1077298 RAL 9016 	37 <table><tr><td></td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>x</td><td>11</td><td>12</td><td>13</td><td>14</td></tr></table> R1-63500 M16 x 40 		11	12	13	14	x	11	12	13	14	38 <table><tr><td></td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>x</td><td>10</td><td>11</td><td>12</td><td>13</td></tr></table> K3-04053 Ø50 / Ø17 		11	12	13	14	x	10	11	12	13	40 x 17 K3-08001 Ø12 x 60 																				
	11	12	13	14																																							
x	11	12	13	14																																							
	11	12	13	14																																							
x	10	11	12	13																																							
41 x 17 K3-04001 Ø10 	42 x 17 K3-06003 Ø10 x 60 	44 <table><tr><td></td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>x</td><td>100</td><td>108</td><td>116</td><td>124</td></tr></table> R1-63267 Ø6 x 35 TX30 		11	12	13	14	x	100	108	116	124																															
	11	12	13	14																																							
x	100	108	116	124																																							
46 <table><tr><td></td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>x</td><td>I 5</td><td>5</td><td>5</td><td>6</td></tr><tr><td></td><td>L 5</td><td>6</td><td>6</td><td>6</td></tr><tr><td></td><td>U 6</td><td>6</td><td>7</td><td>7</td></tr></table> K3-02097 M10 x 70 		11	12	13	14	x	I 5	5	5	6		L 5	6	6	6		U 6	6	7	7	47 x 4 R3-91415 Ø8 x 40 	48 <table><tr><td></td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>x</td><td>I 5</td><td>5</td><td>5</td><td>6</td></tr><tr><td></td><td>L 5</td><td>6</td><td>6</td><td>6</td></tr><tr><td></td><td>U 6</td><td>6</td><td>7</td><td>7</td></tr></table> K3-06239 Ø4,5 x 25 		11	12	13	14	x	I 5	5	5	6		L 5	6	6	6		U 6	6	7	7	49  Strong glue Superkleber Seconde lijm Colle forte Superlim x 1 K3-90001
	11	12	13	14																																							
x	I 5	5	5	6																																							
	L 5	6	6	6																																							
	U 6	6	7	7																																							
	11	12	13	14																																							
x	I 5	5	5	6																																							
	L 5	6	6	6																																							
	U 6	6	7	7																																							
50 x 1 K1-01810  Ø8	51 x 2 K3-06022 Ø5 x 35 TX25 																																										
56 x 2 K3-08006 Ø6 x 40 	58 x 8 R3-20590  12	59 x 1 K3-90005 Wood glue Holzkleber Colle à bois Trælim Houtlijm 	60 																																								
61 x 1 R1-63501 24 mm 	62 x 1 H3-35920  0° 22,5°	63 x 1 K1-01620  Ø40,2	x 1 H2-63530																																								
64 x 2 K-02512 M12 x 30 	65 x 2 K3-04092 Ø12 	66 x 2 K3-04032 Ø12 																																									



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



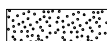
Ø 3mm

Ø 4mm

Ø 6mm

Ø 8mm

Ø 10mm



Ø 6mm

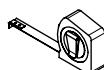
Ø 12mm



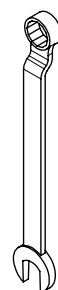
3mm

4mm

6mm

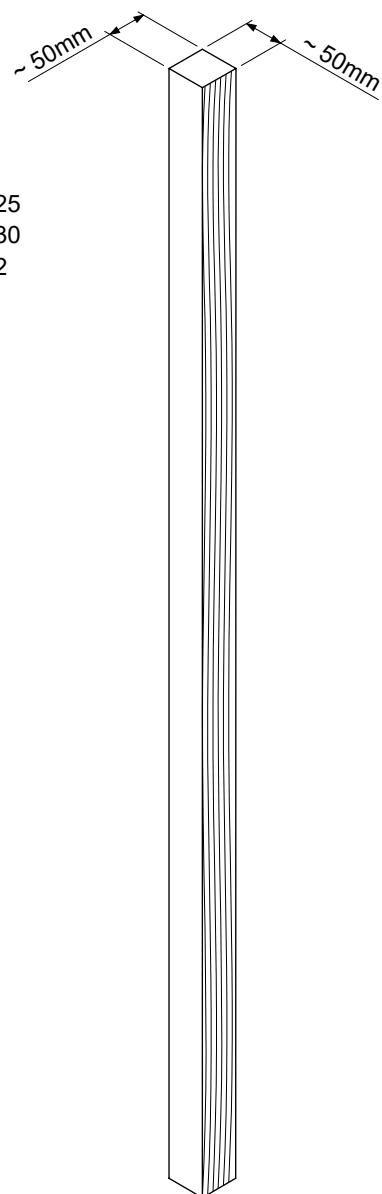


TX25
TX30
PZ2



16mm

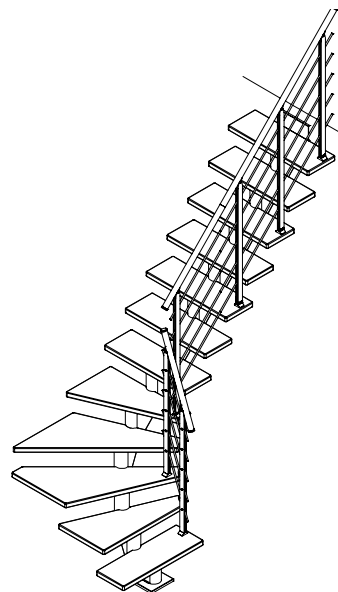
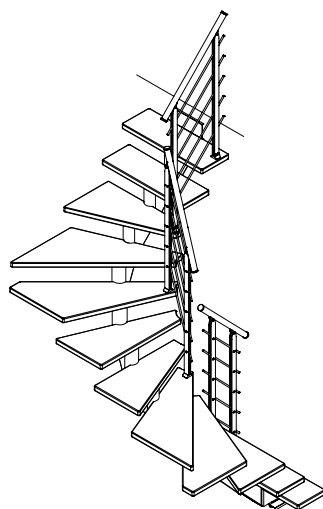
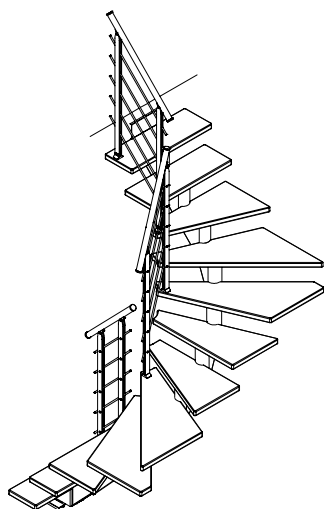
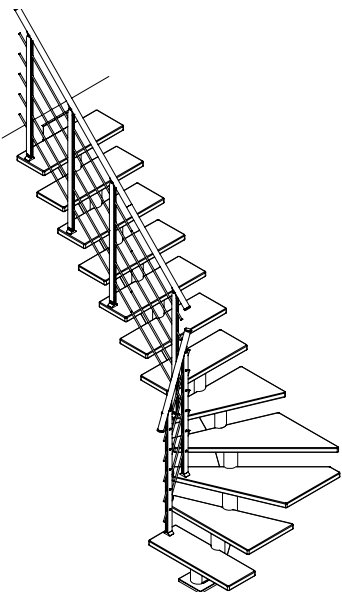
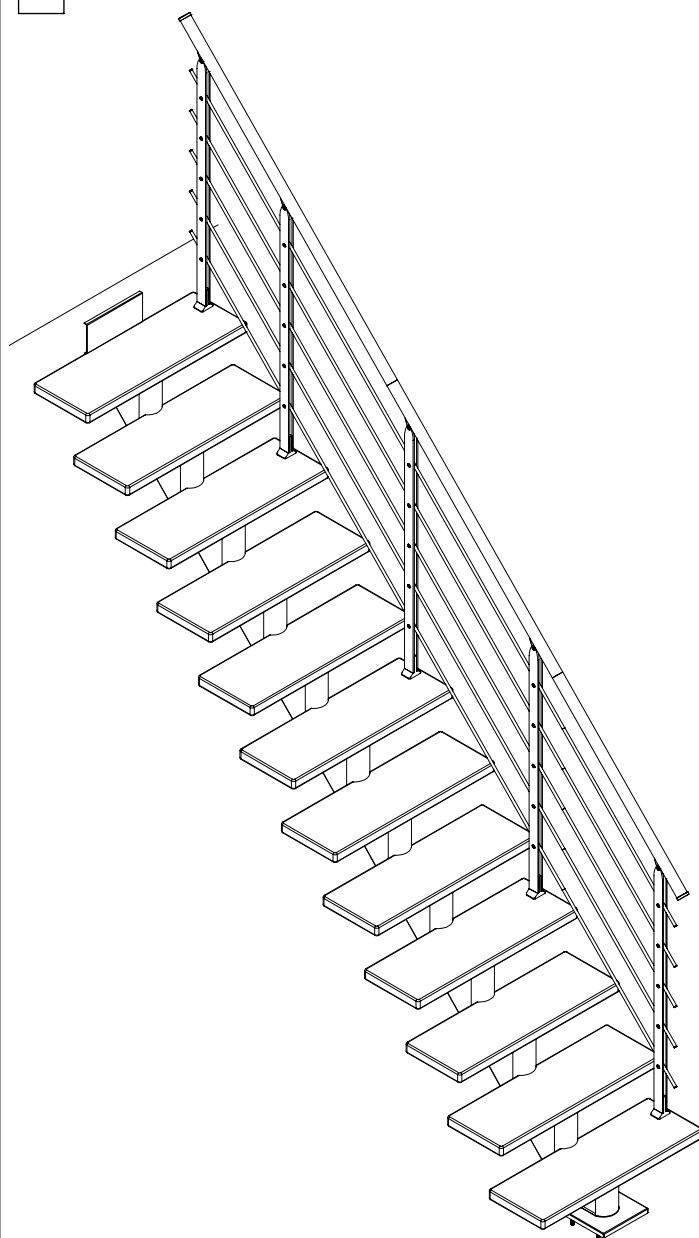
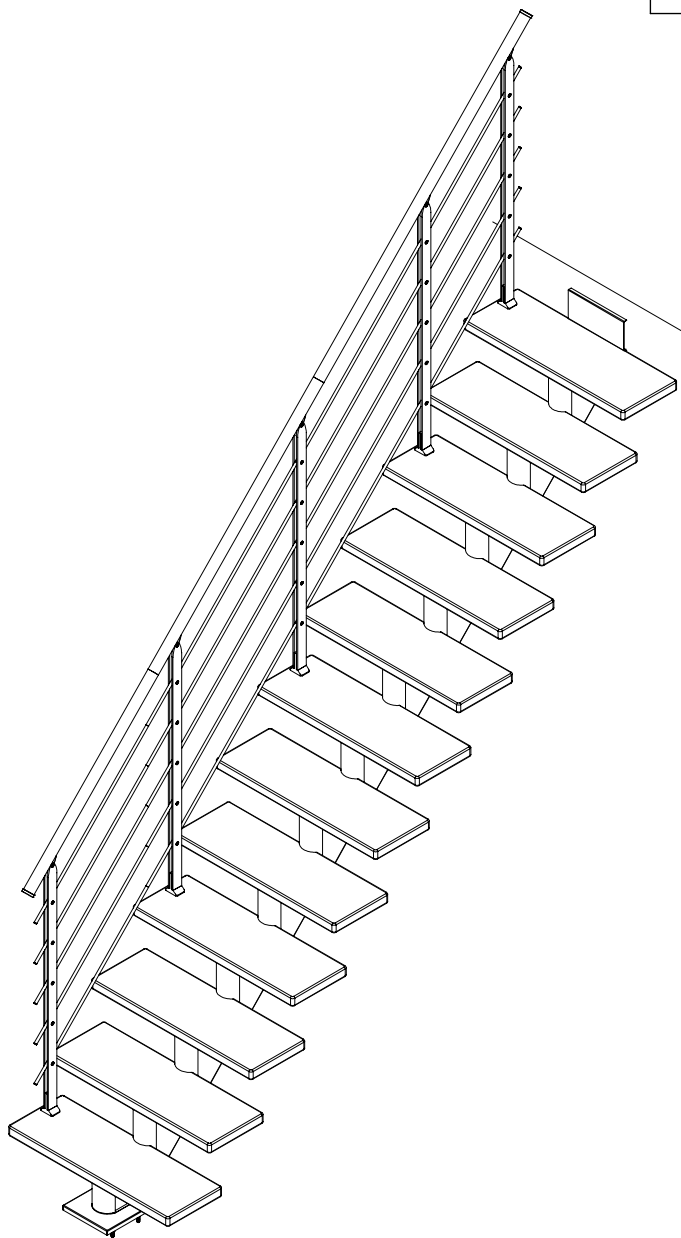
18mm

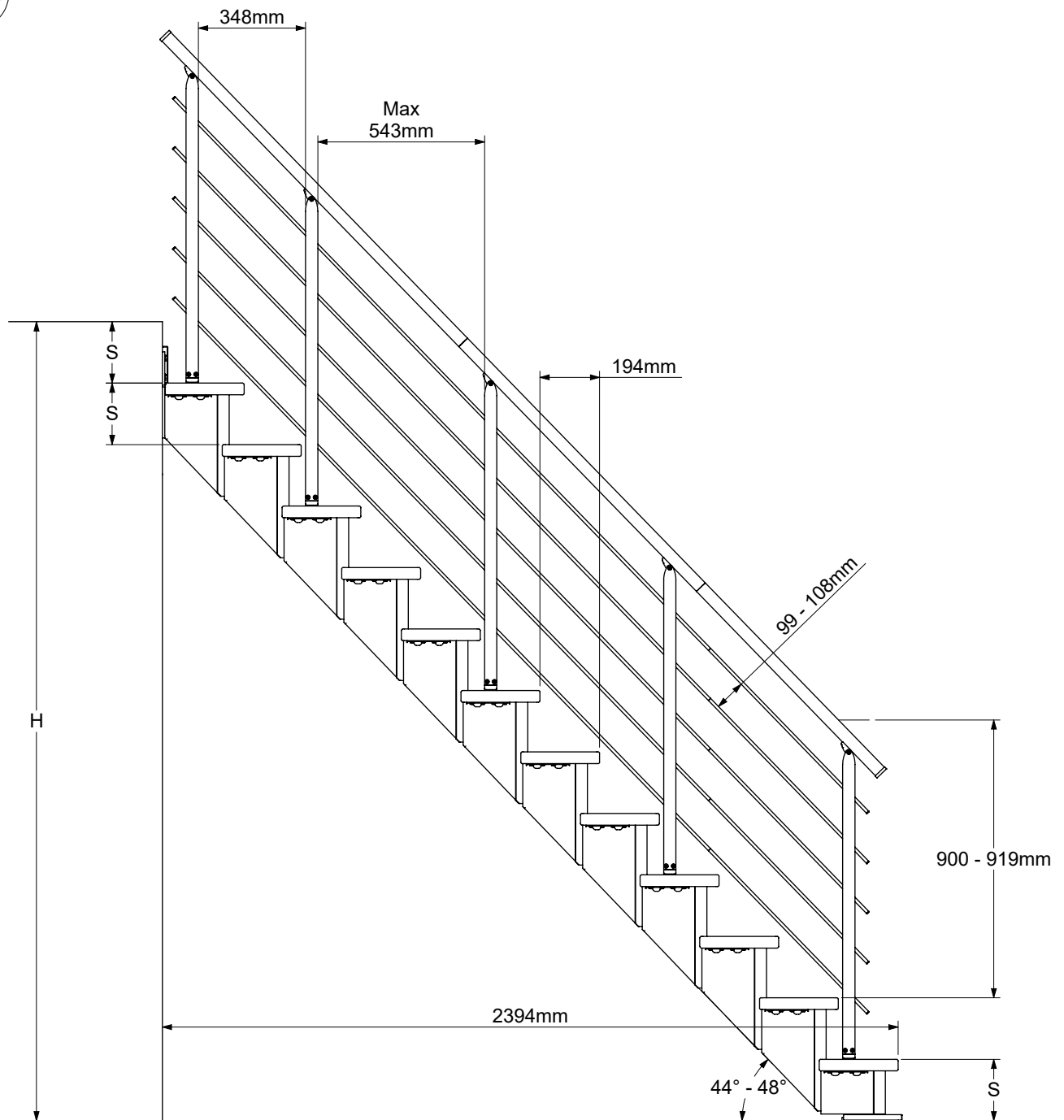




L

R





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

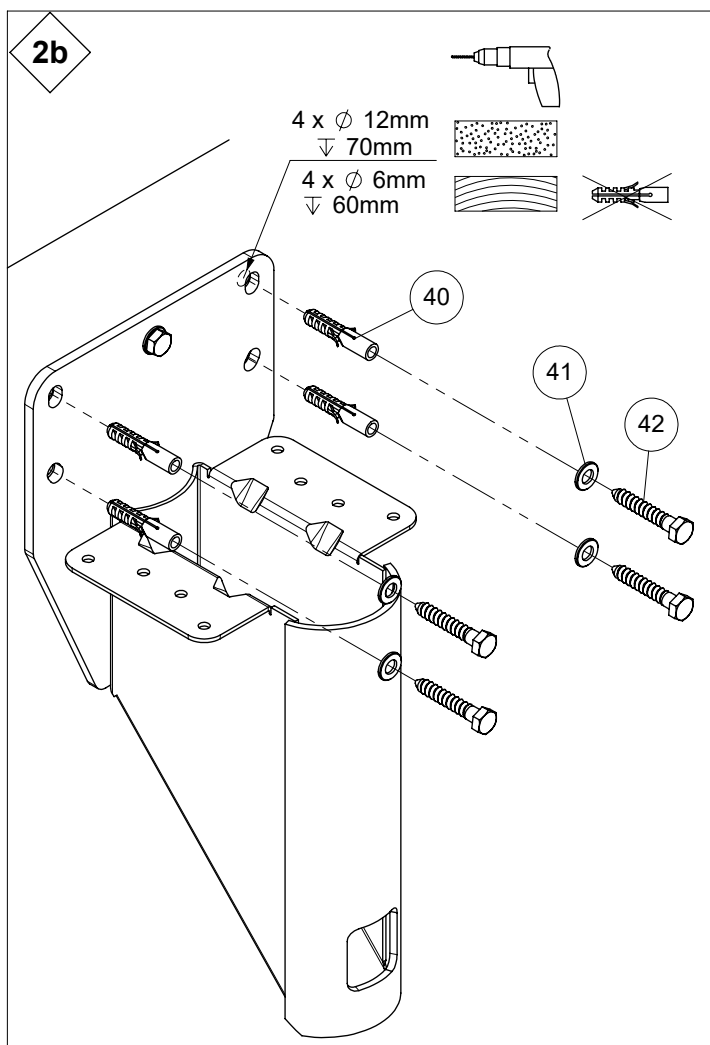
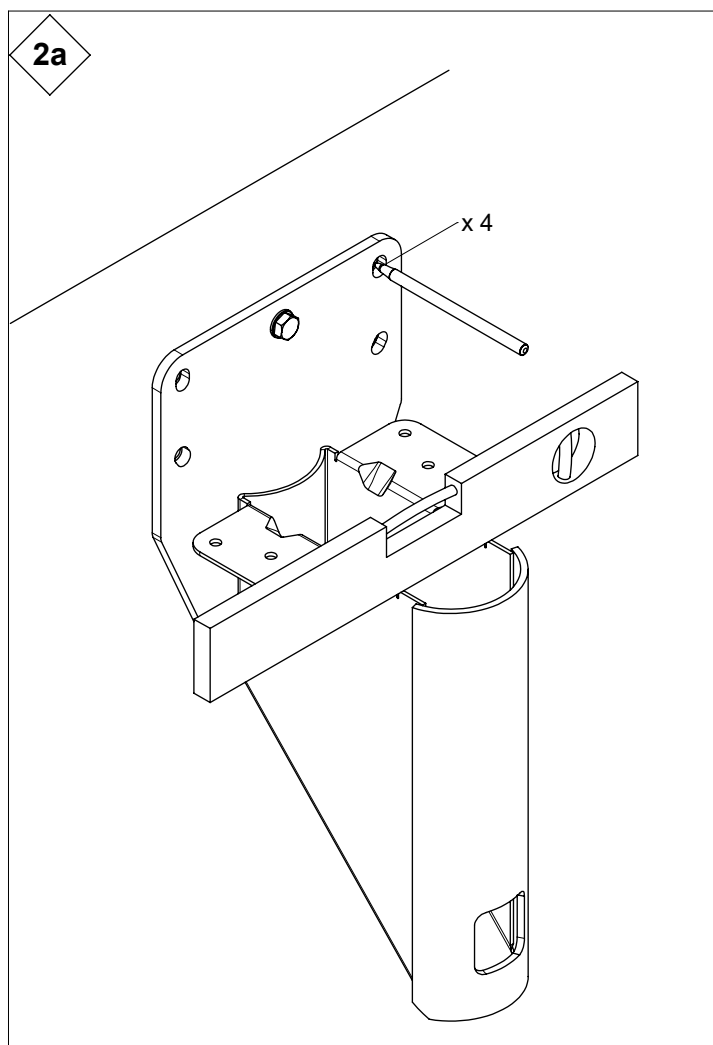
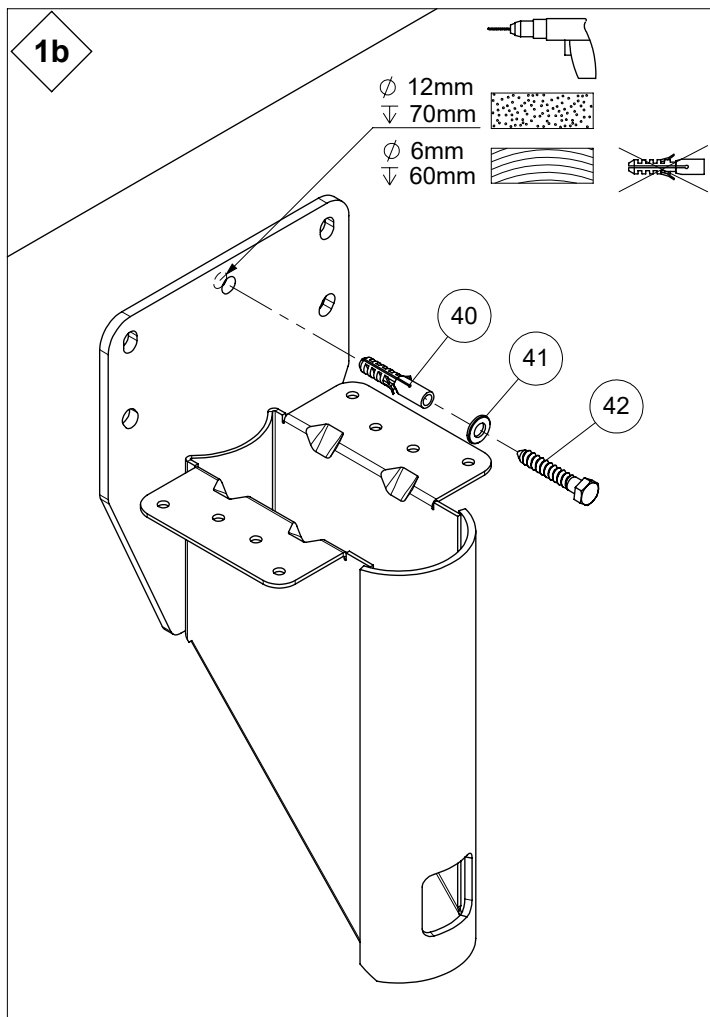
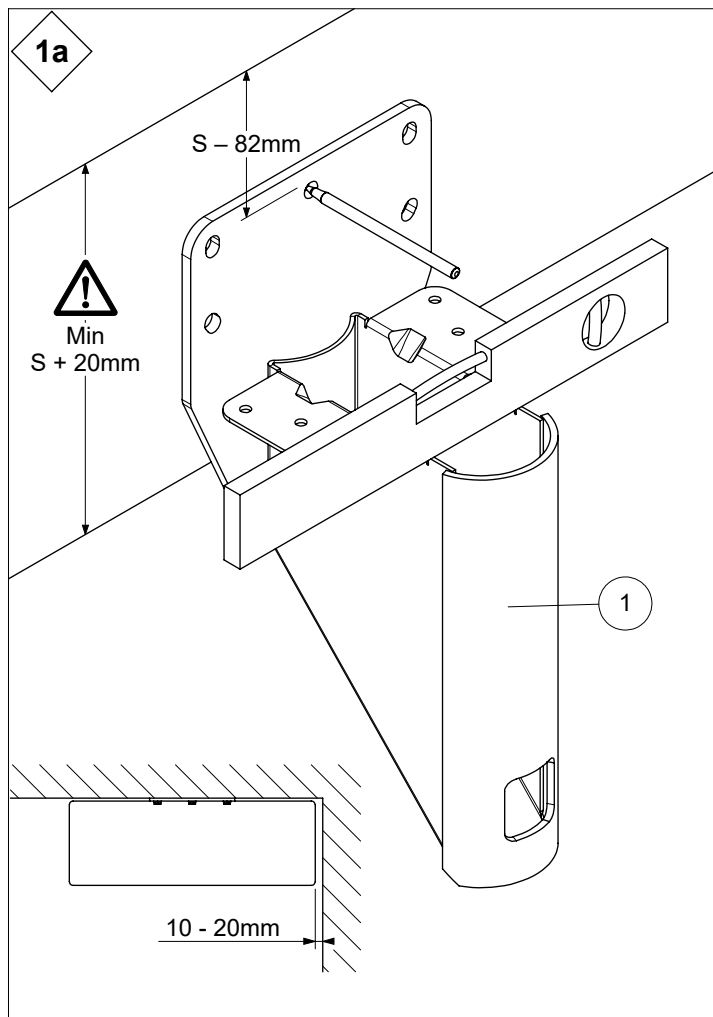
min S	max S
185 mm	215 mm

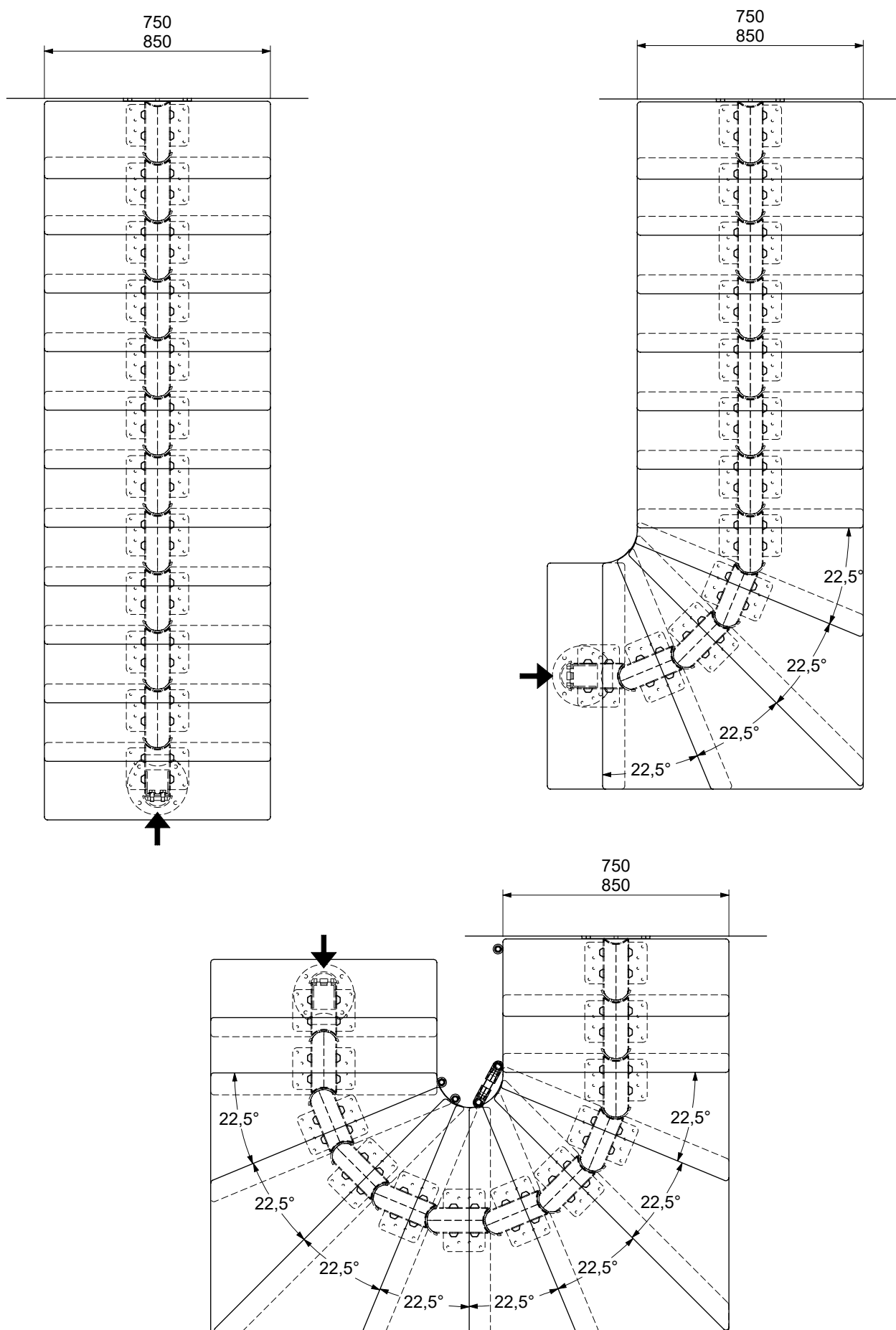
Example / Beispiel / Voorbeeld / Example / Eksempel:
H: 2400 mm, T: 11 st(pcs)

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

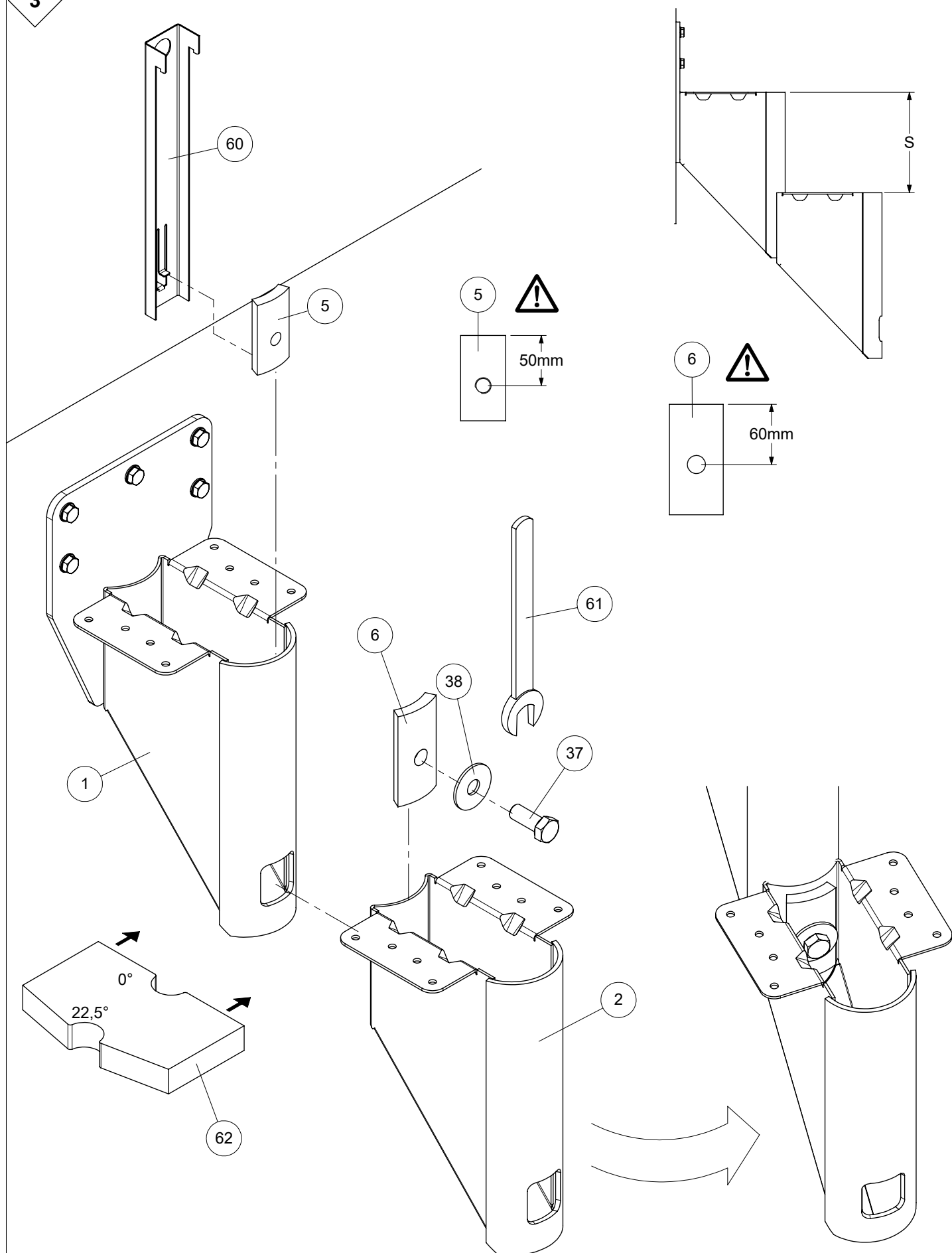


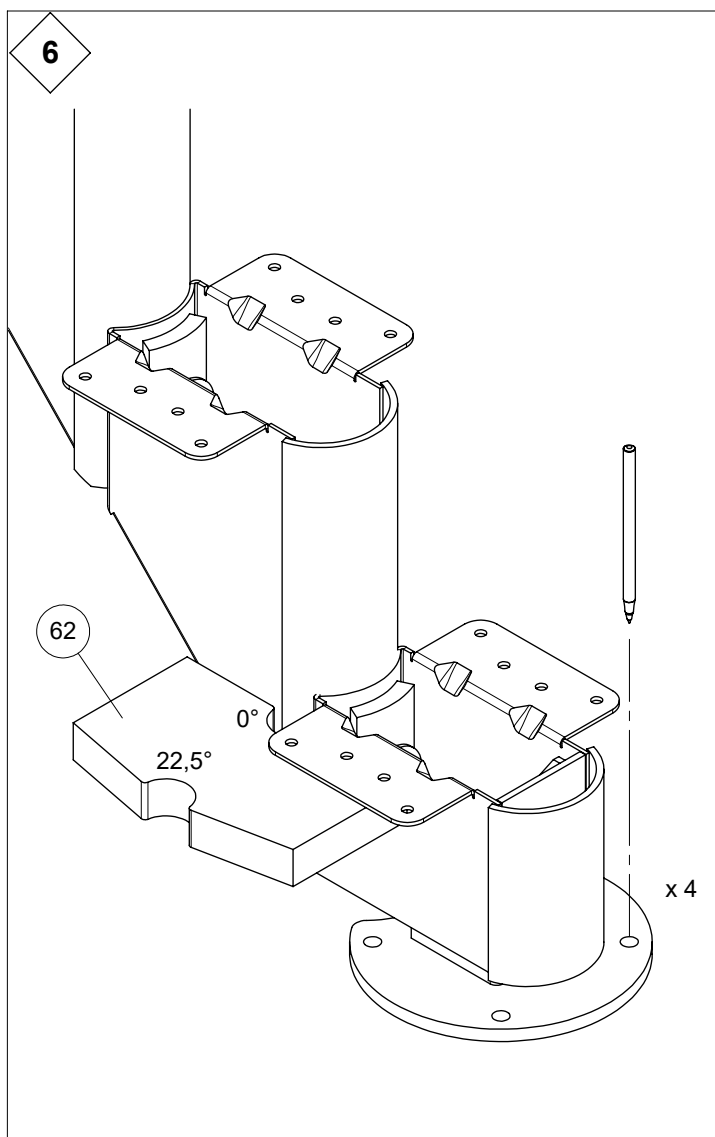
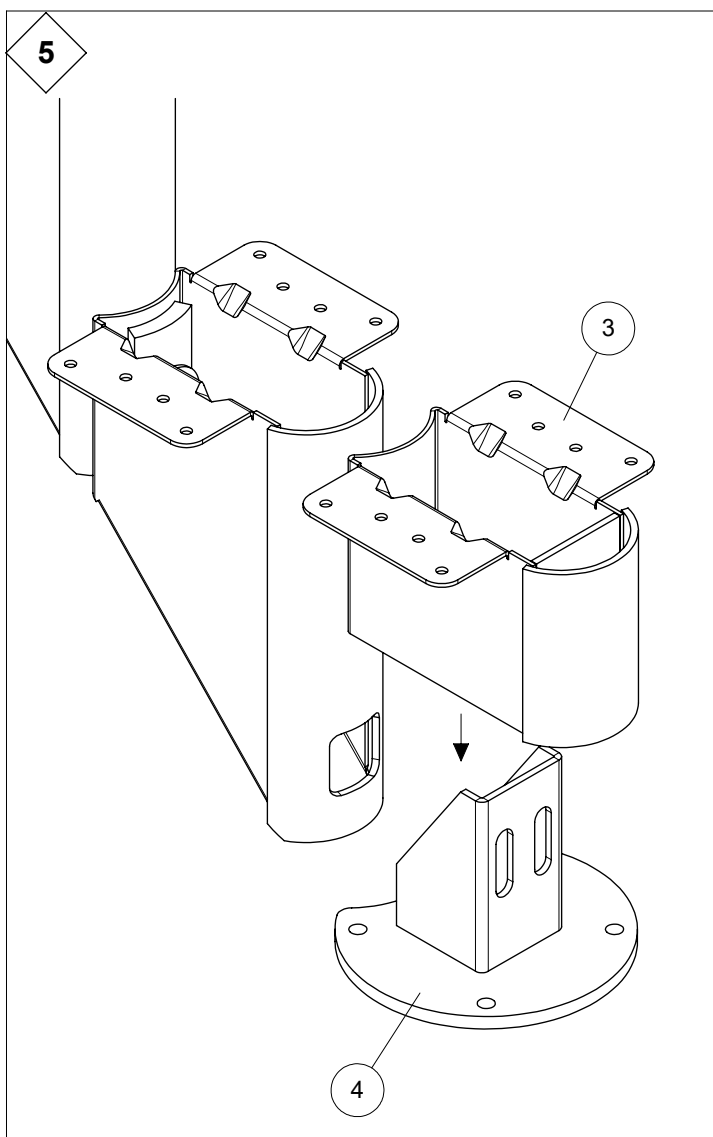
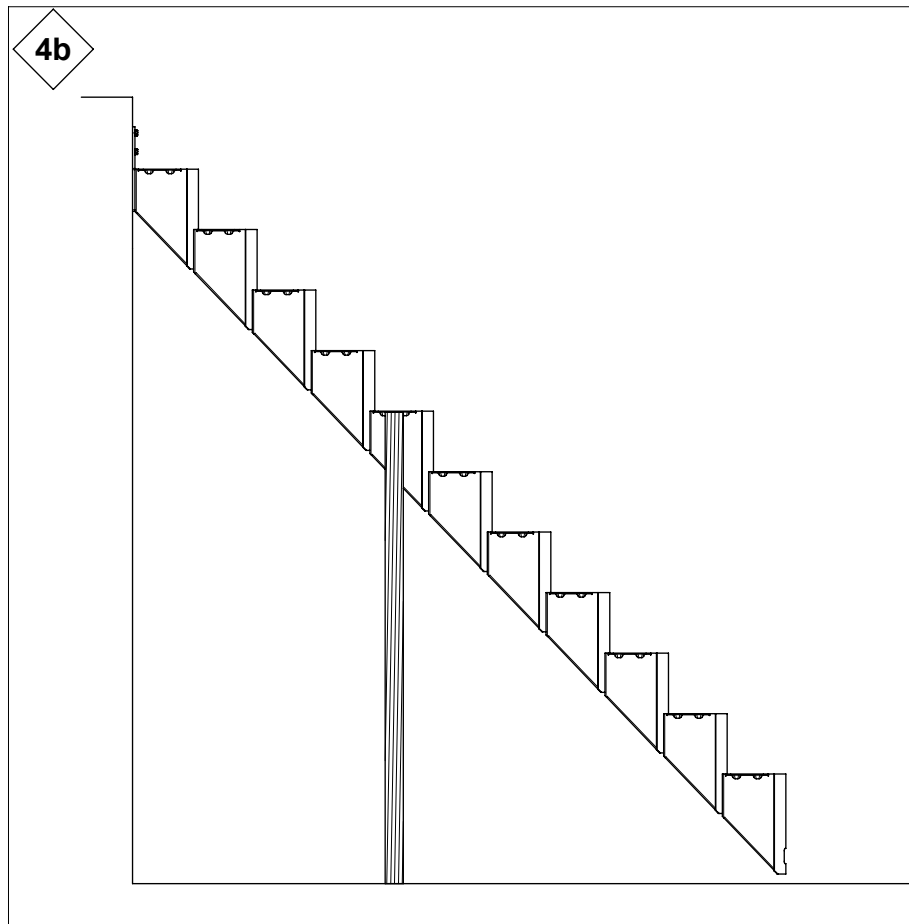
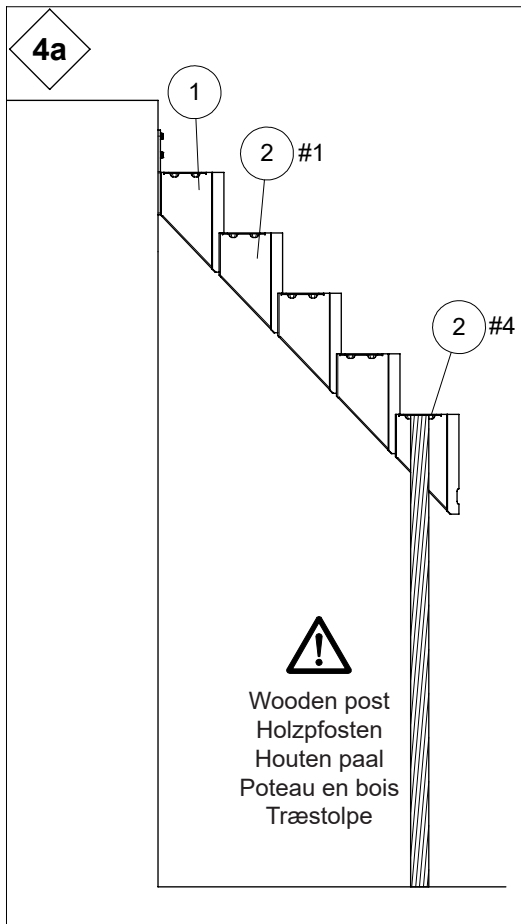
T	min H	max H
9	1850 mm	2150 mm
10	2035 mm	2365 mm
11	2220 mm	2580 mm
12	2405 mm	2795 mm
13	2590 mm	3010 mm



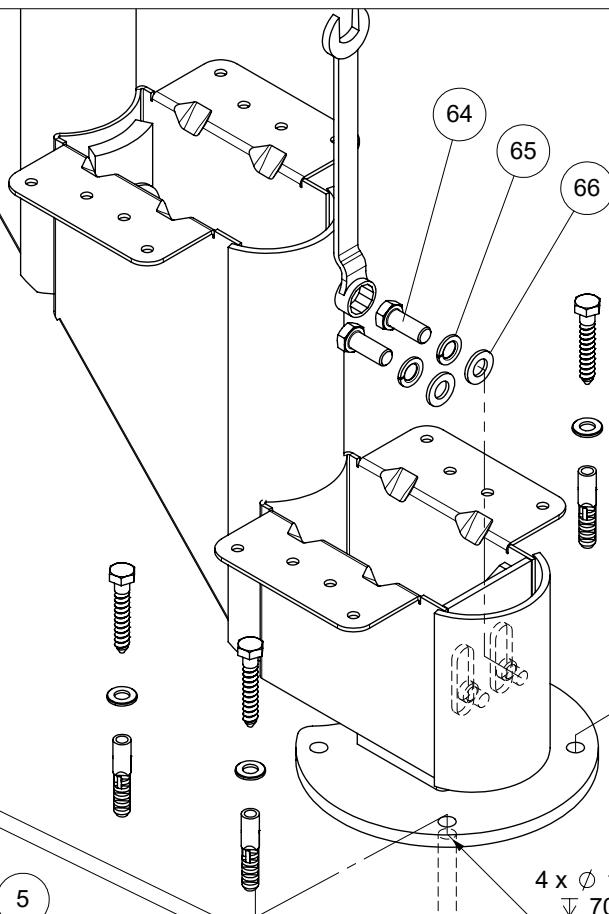
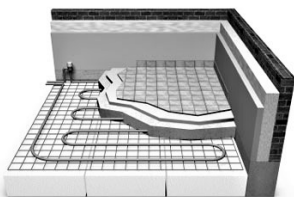


3

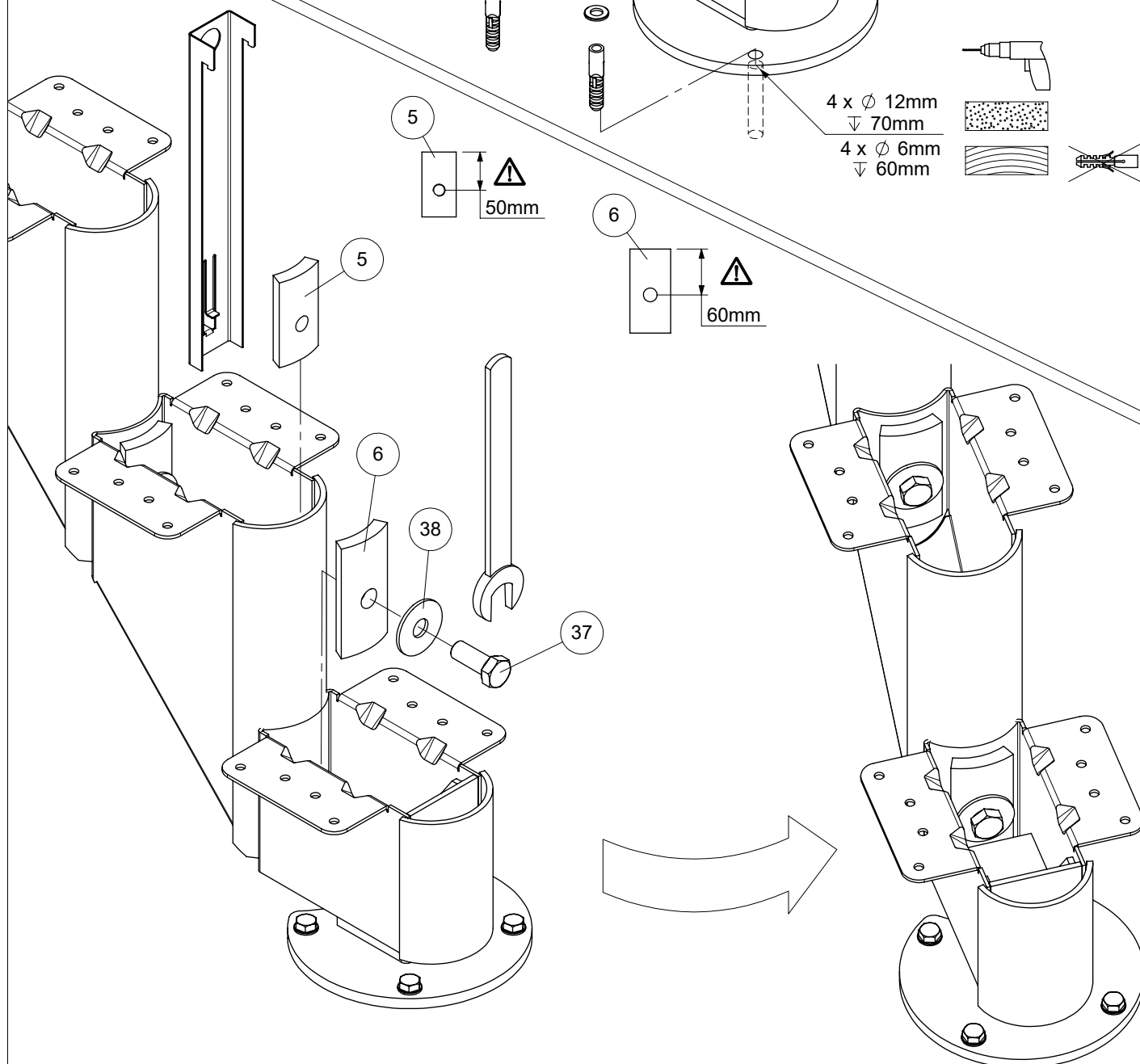


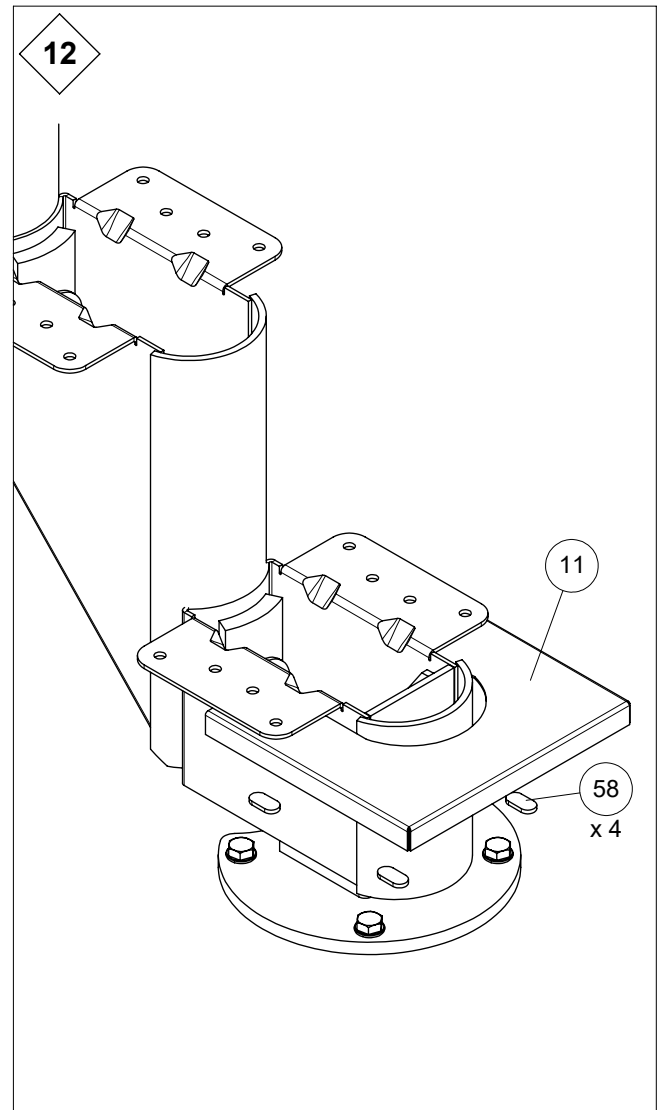
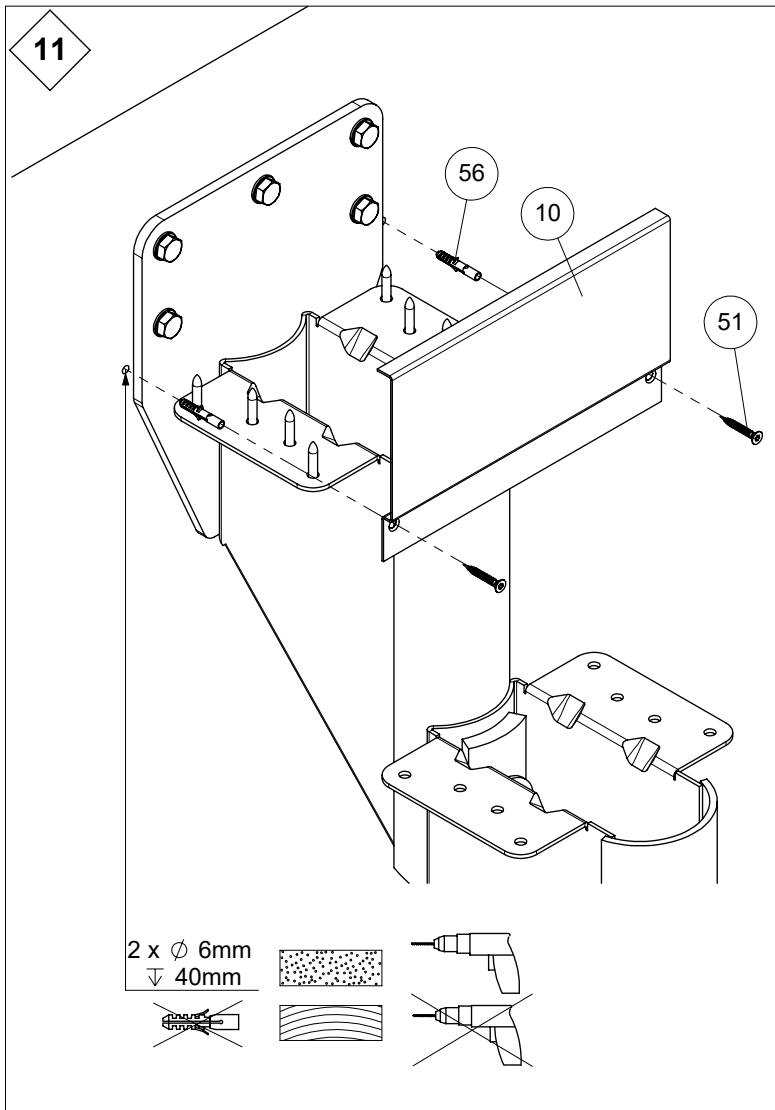
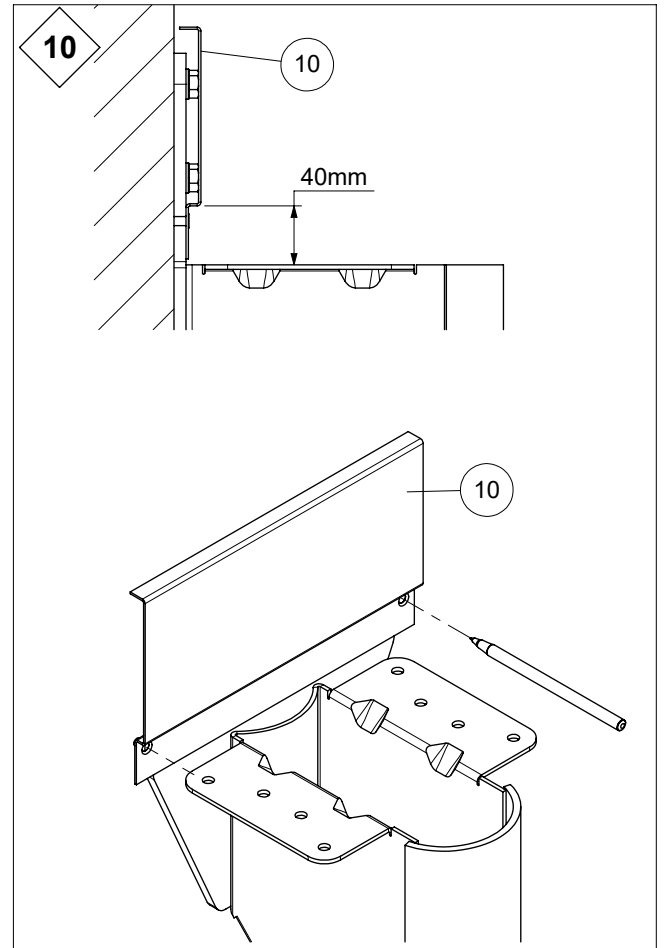
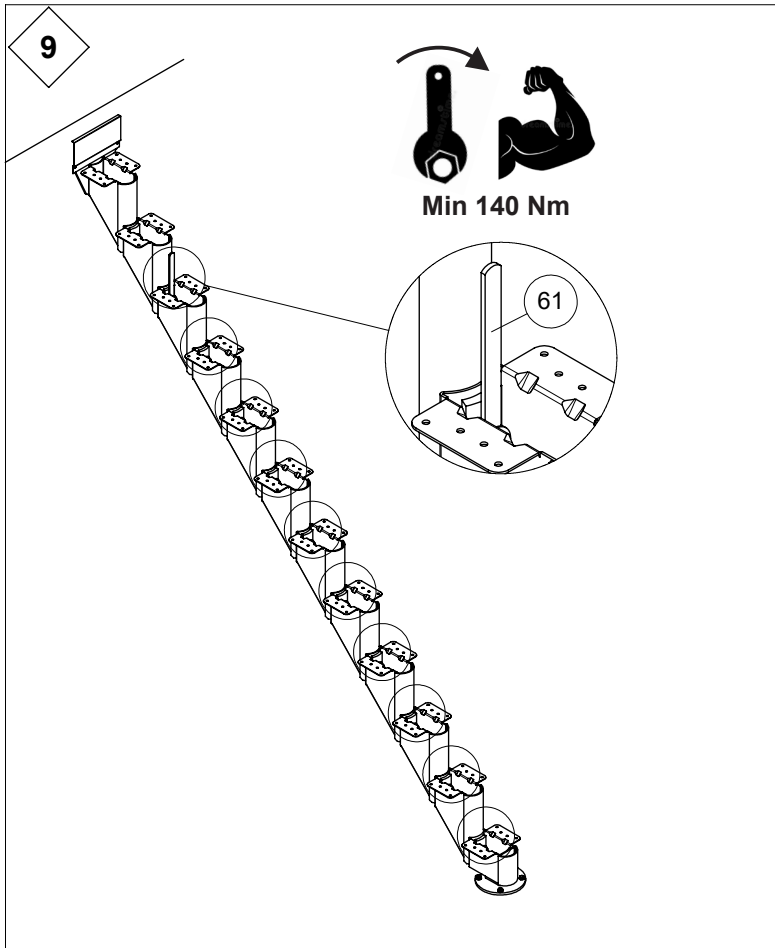


7

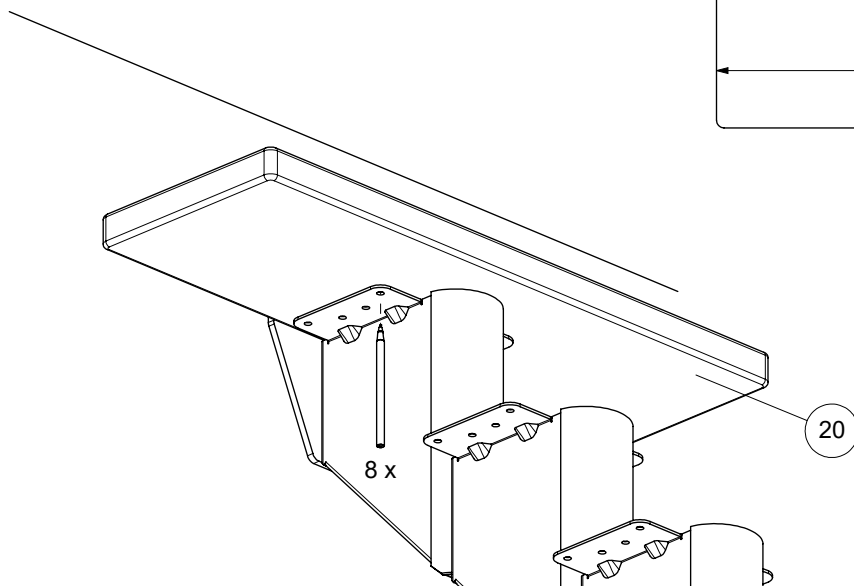
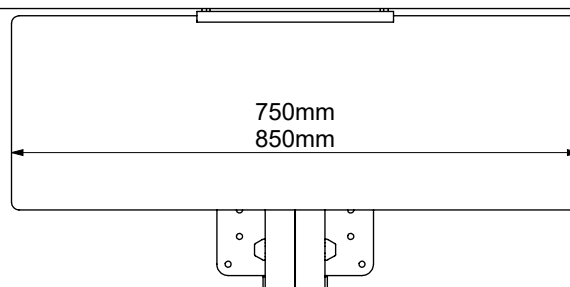
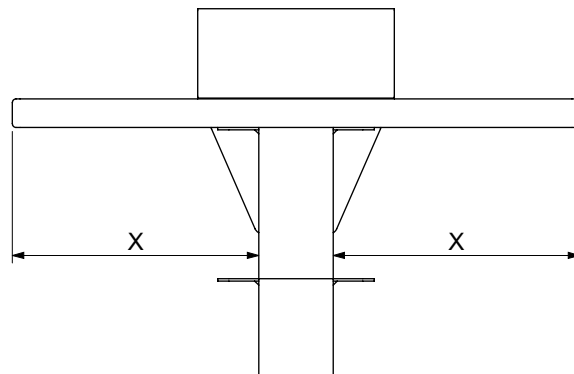
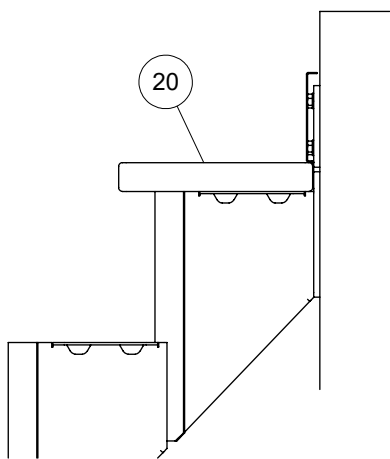


8

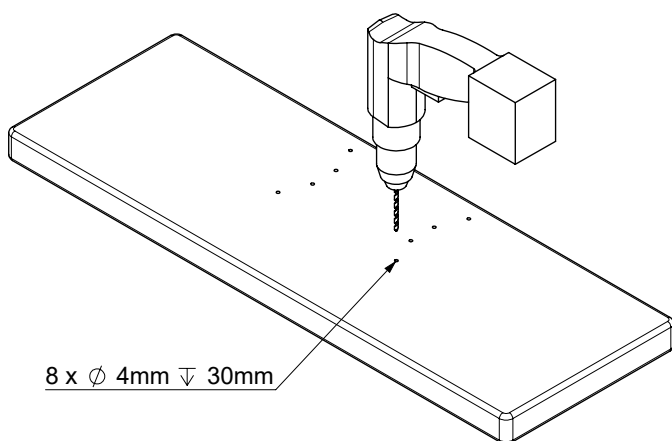




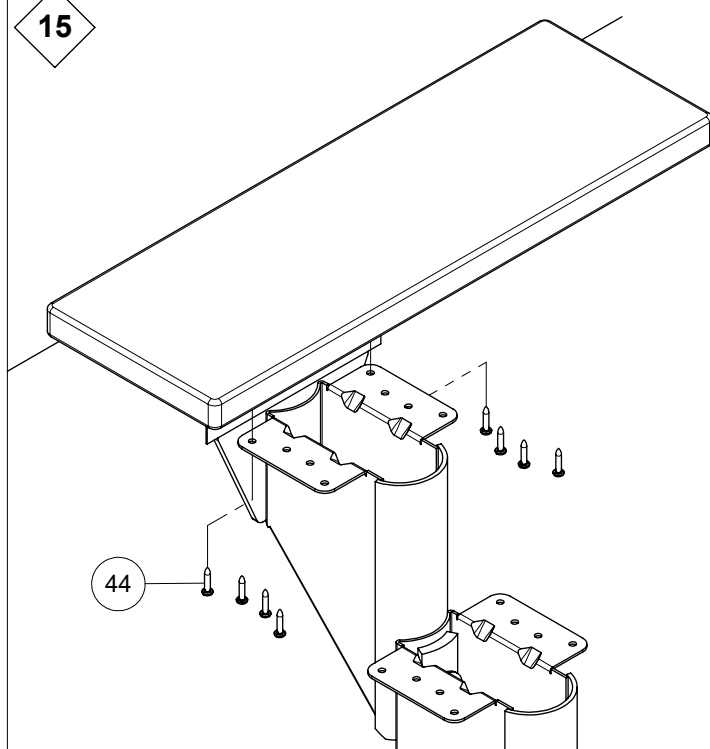
13

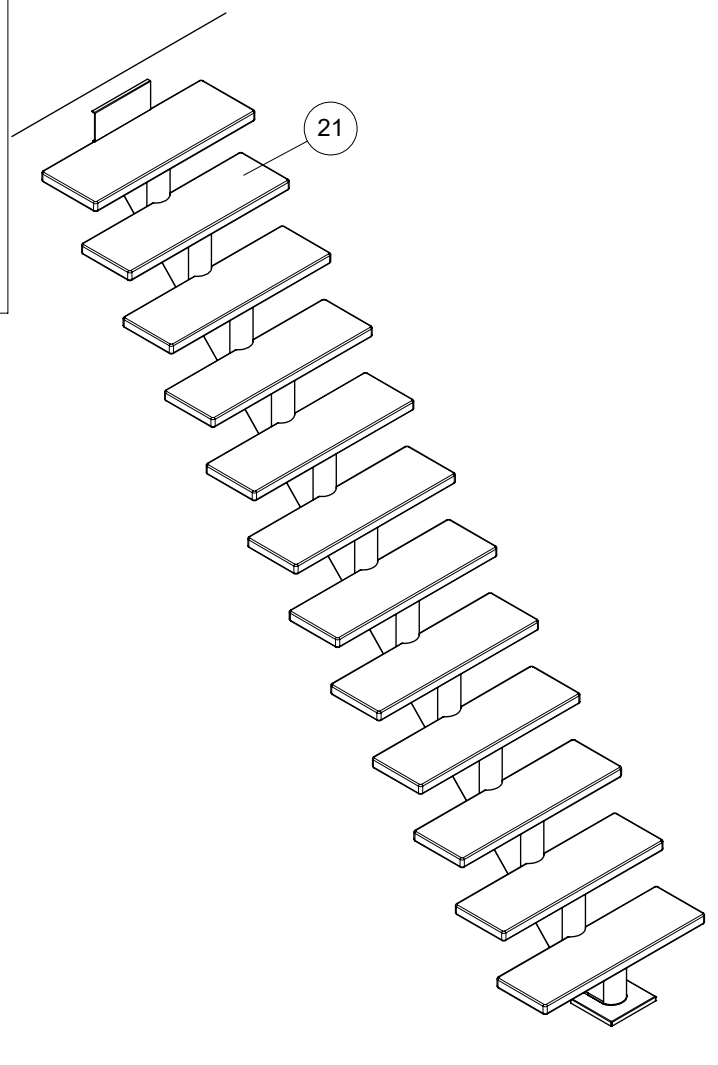
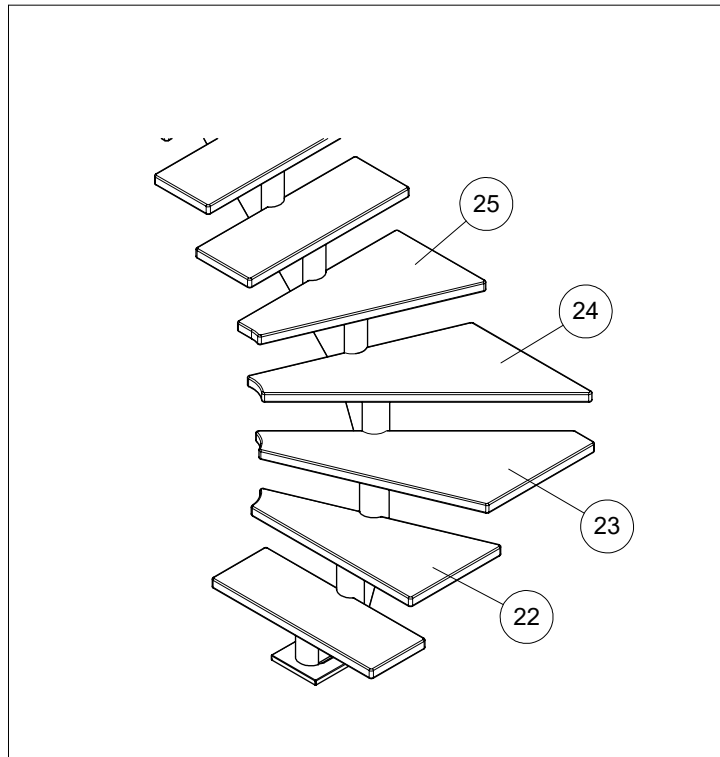
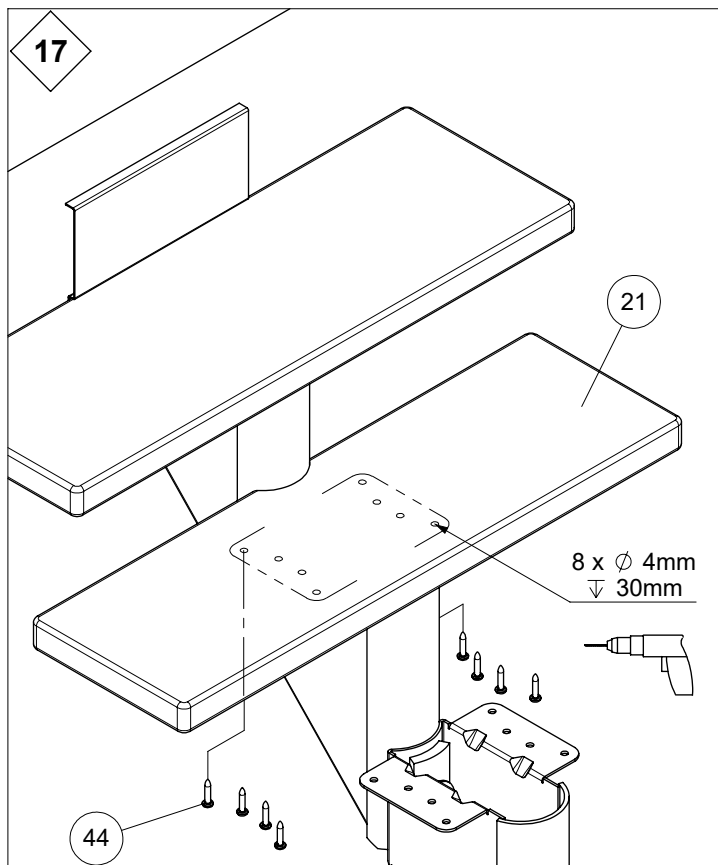
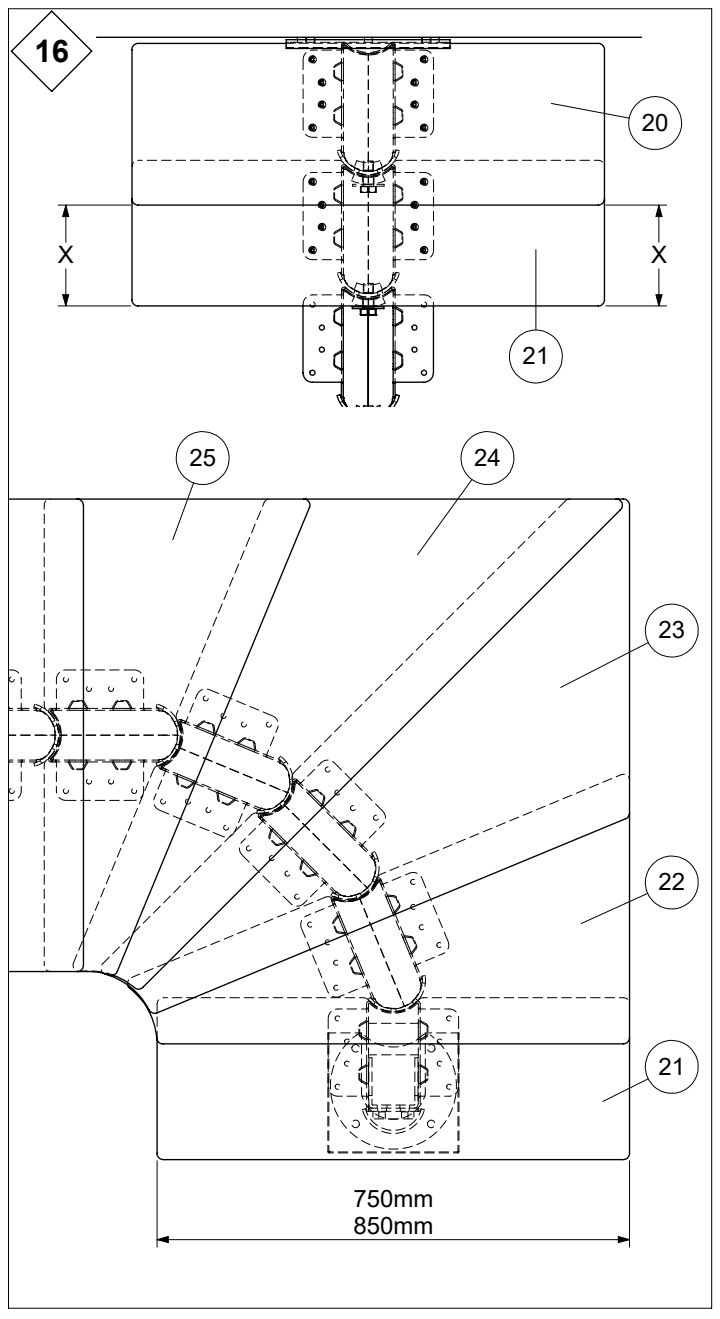


14



15

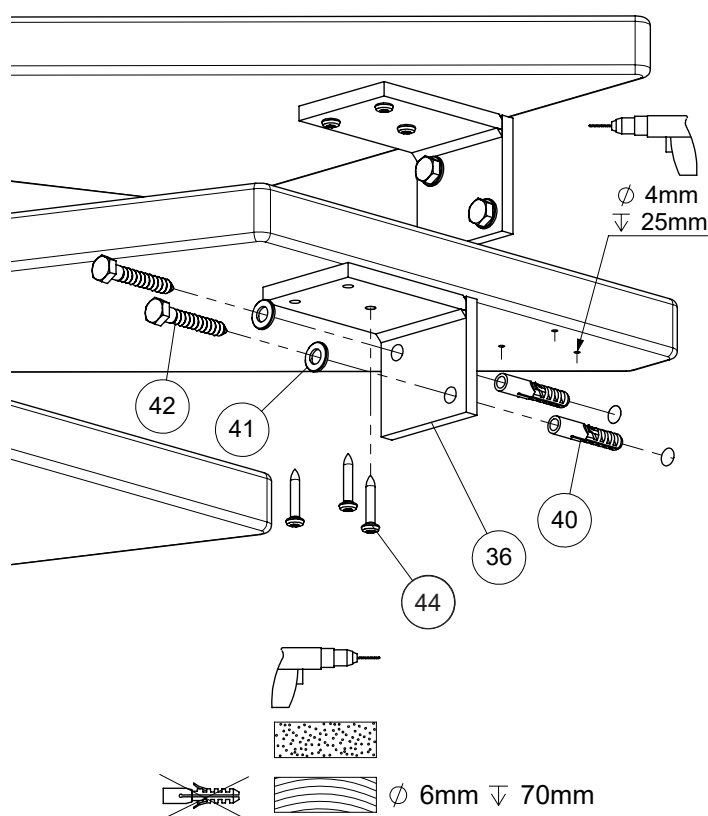




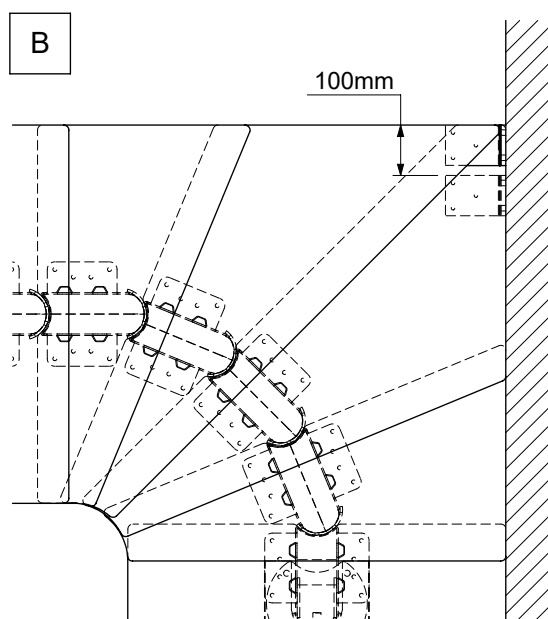
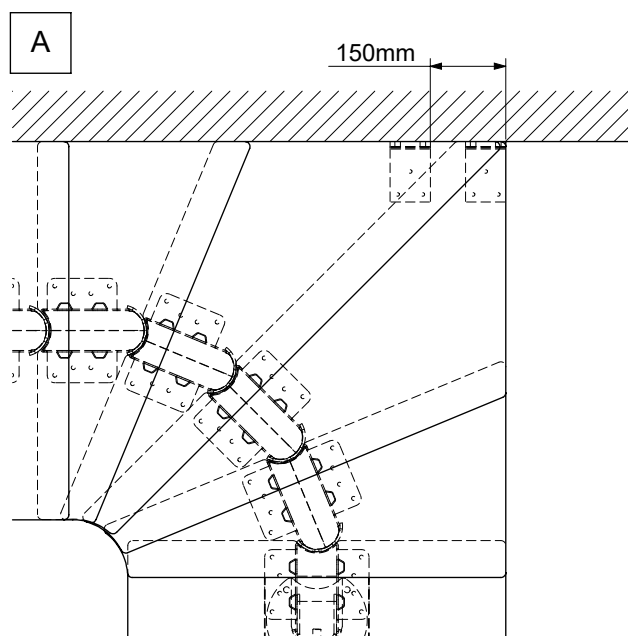
1

L

U



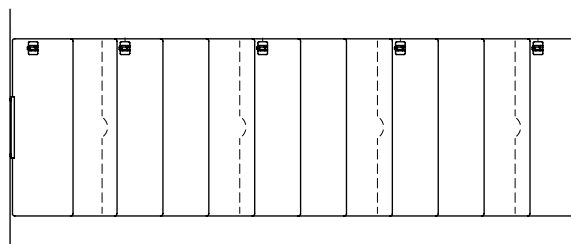
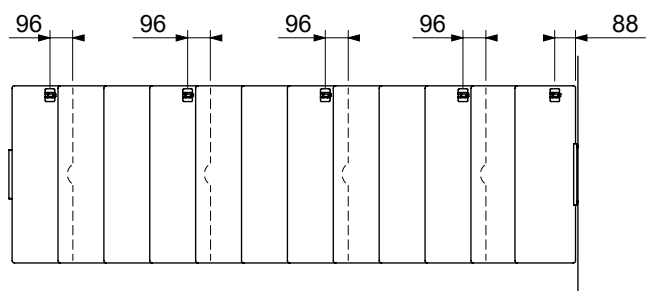
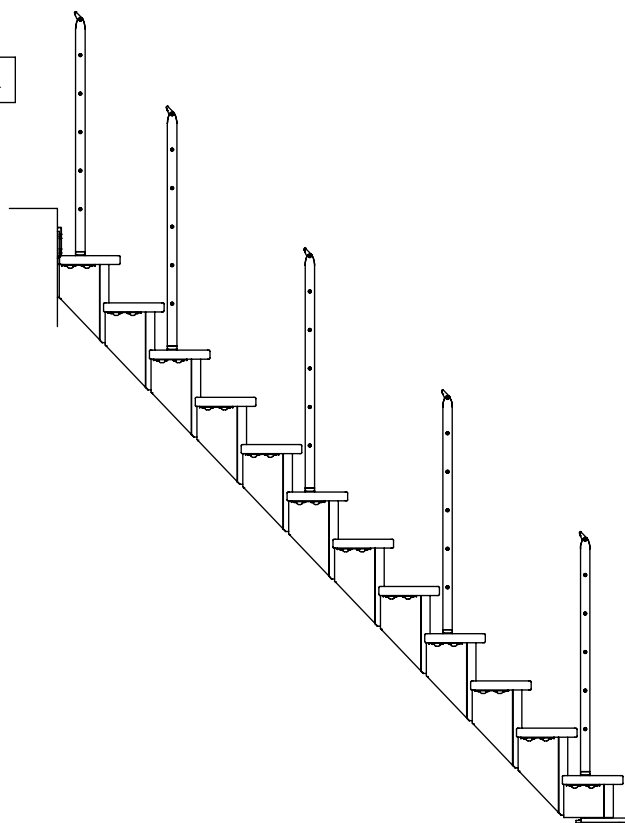
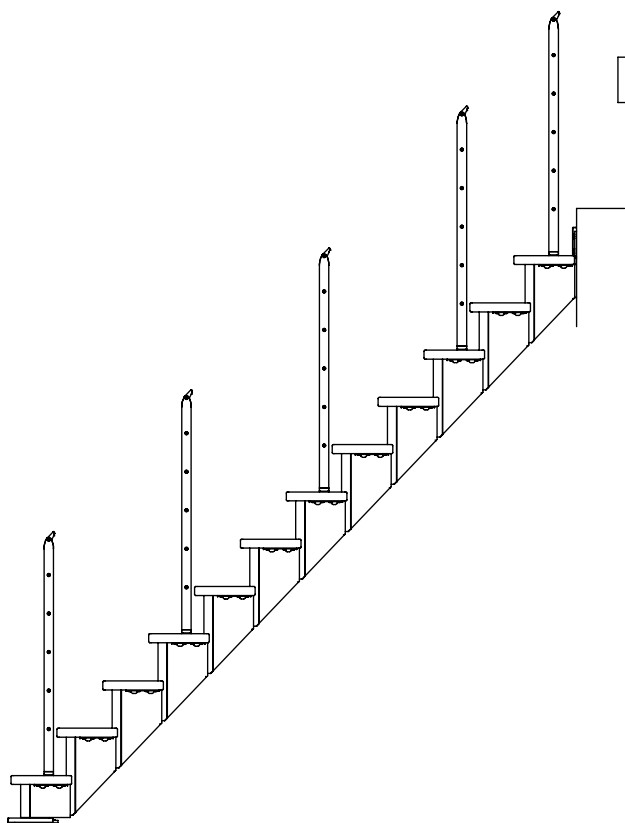
2 vægvinkler er påkrævet i en 1/4-svings- eller 4 i en 1/2-svings-trappe.



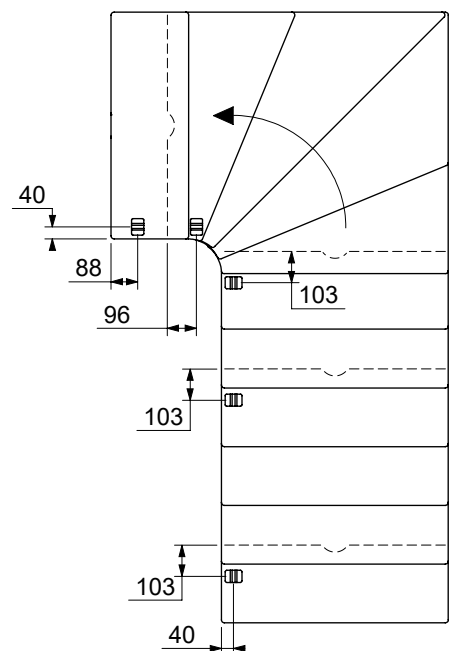
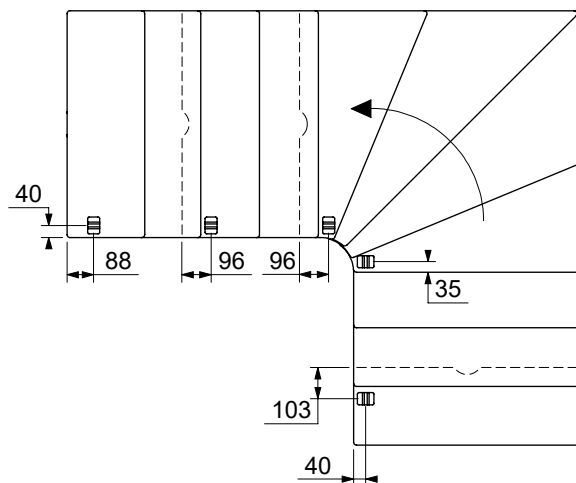
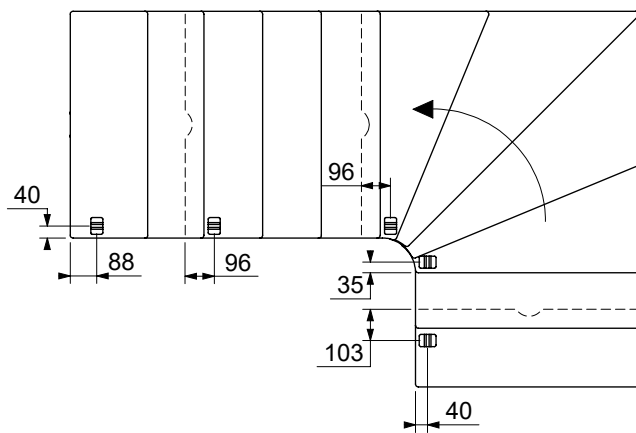
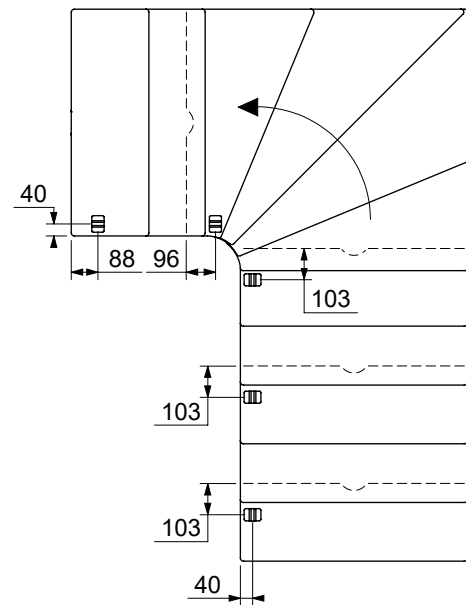
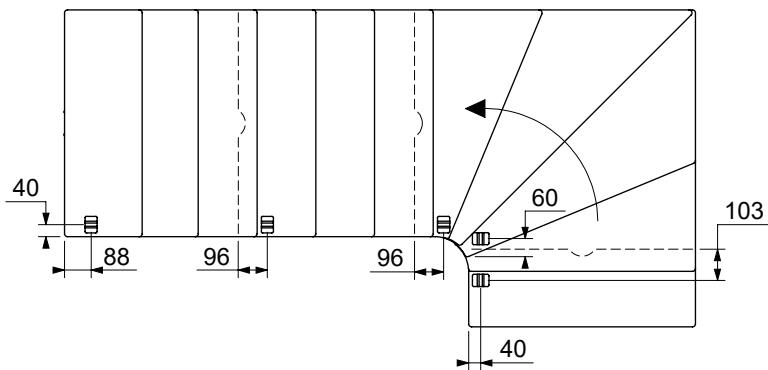
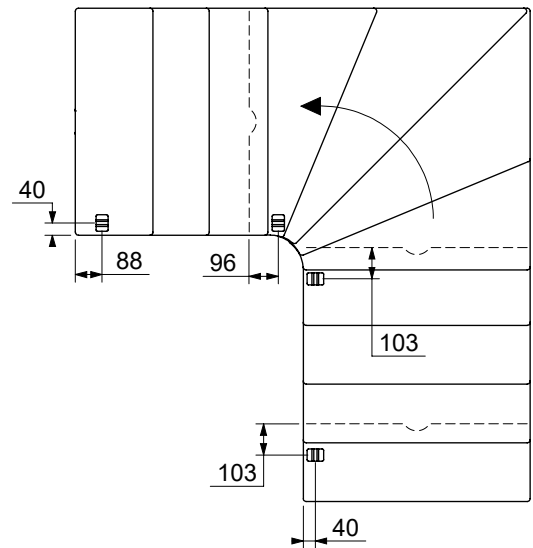
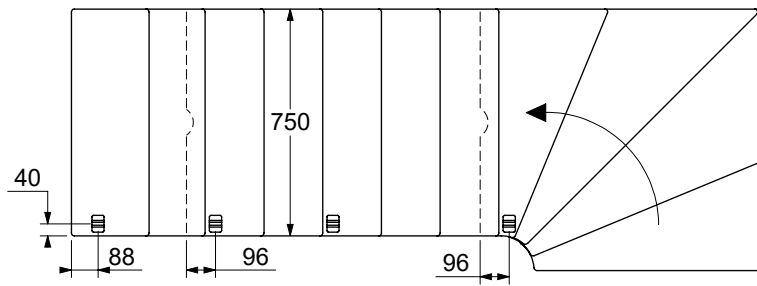


L

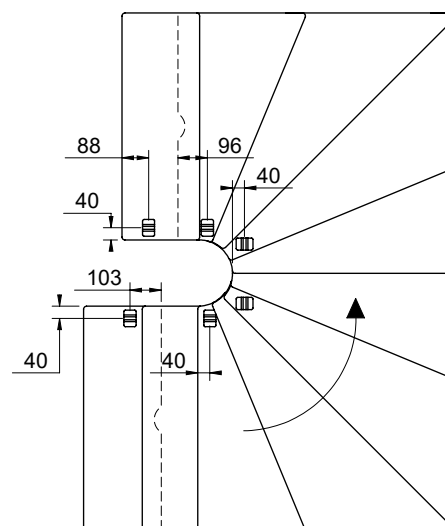
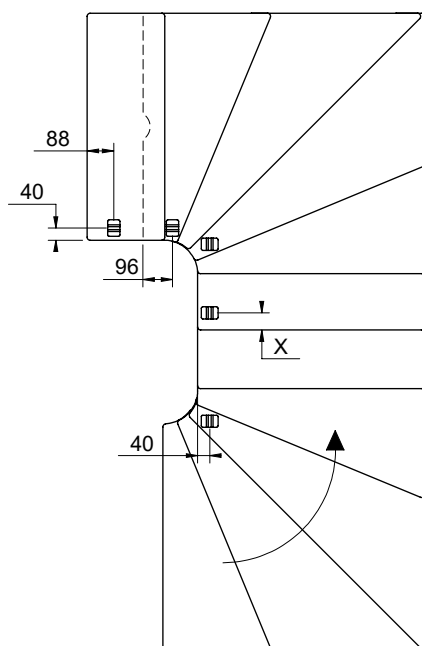
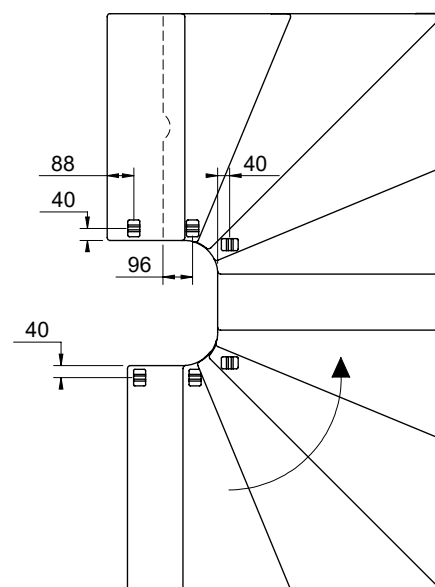
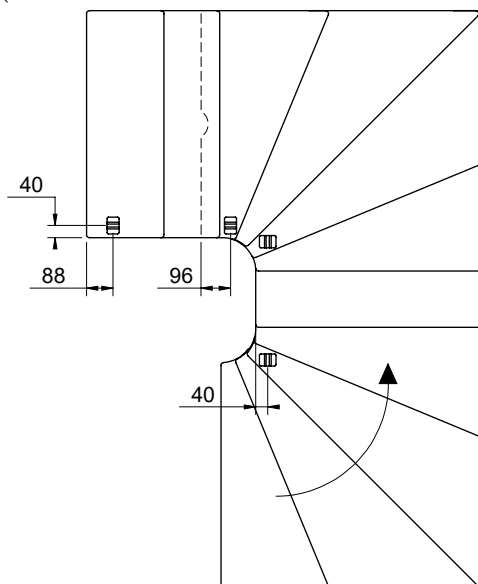
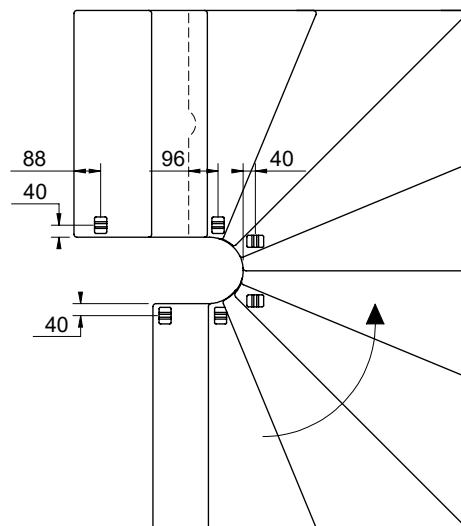
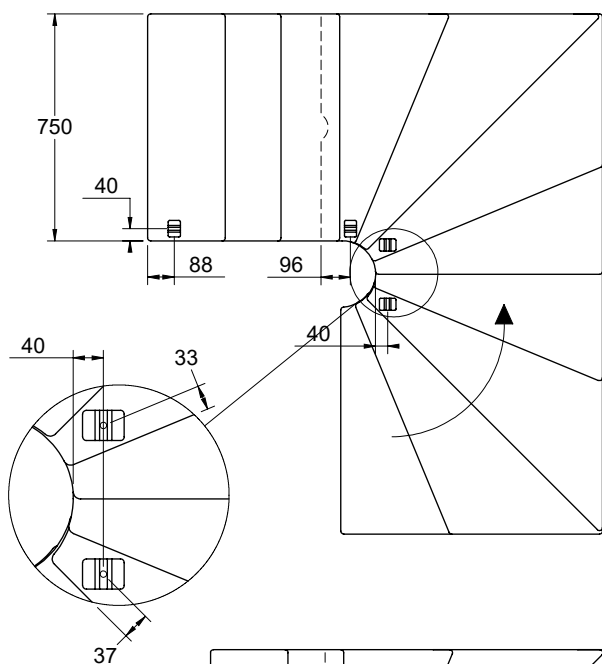
R



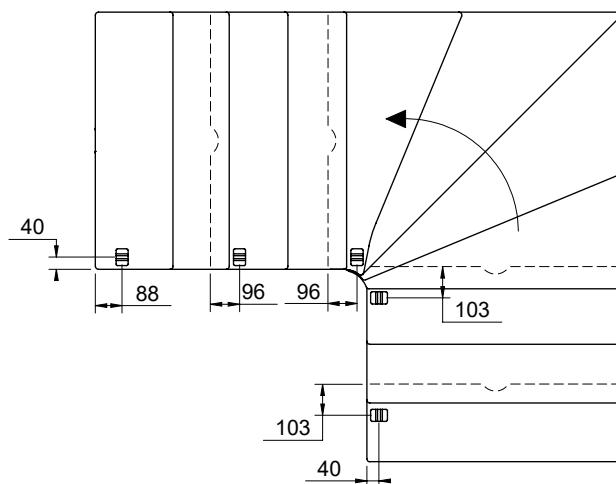
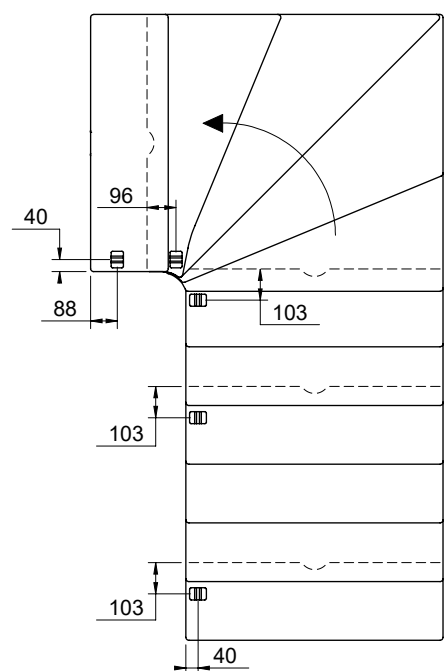
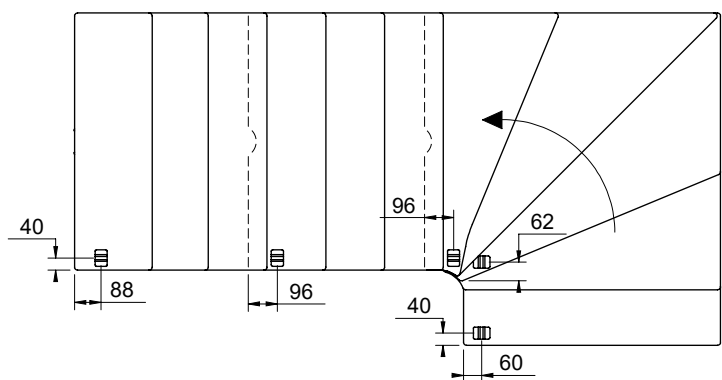
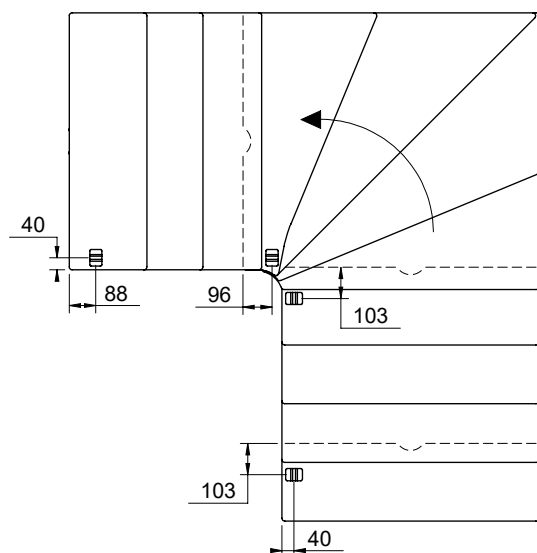
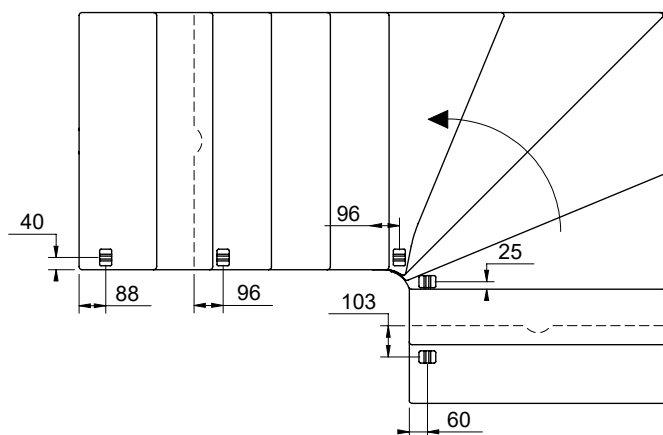
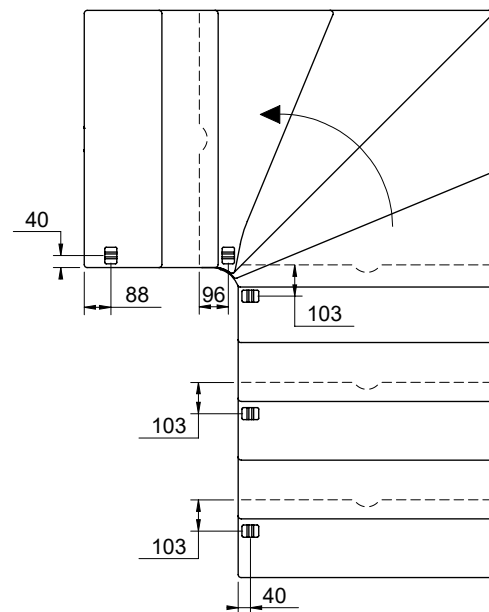
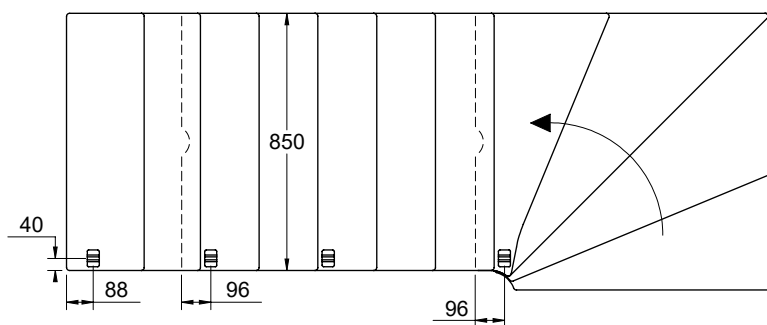
L 750 mm



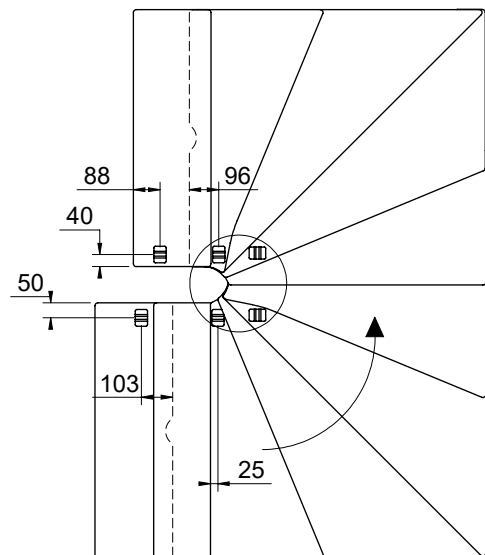
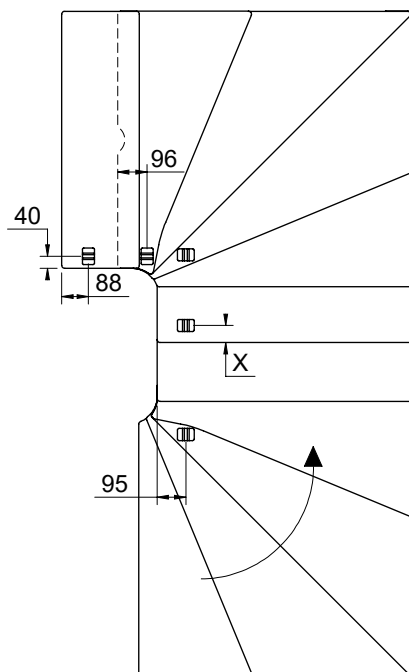
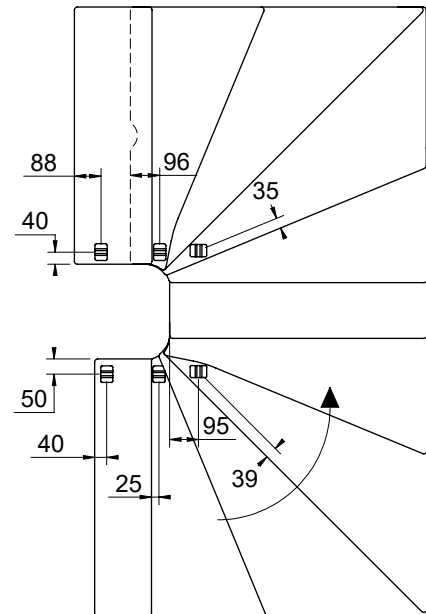
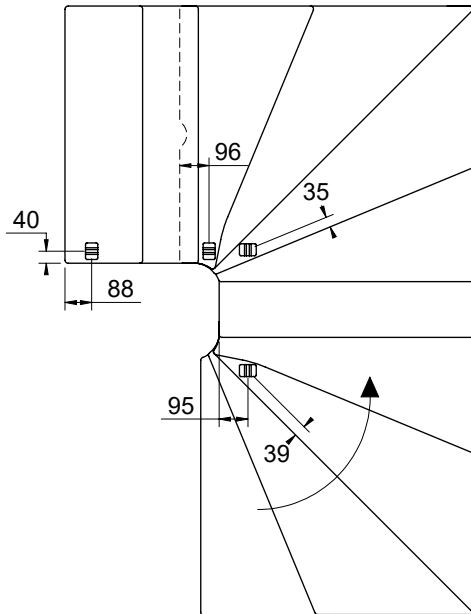
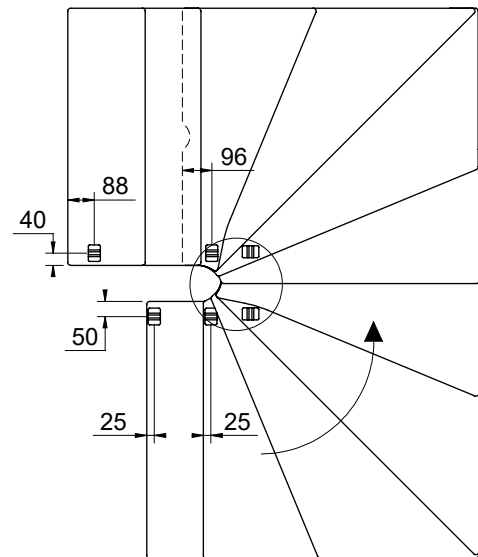
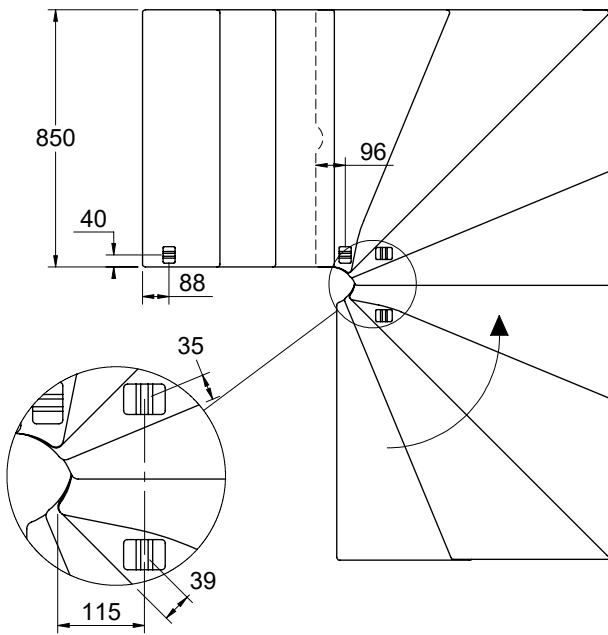
U 750 mm



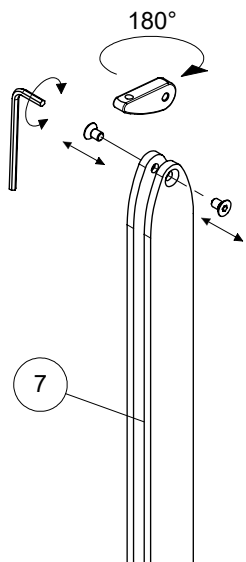
L 850 mm



U 850 mm

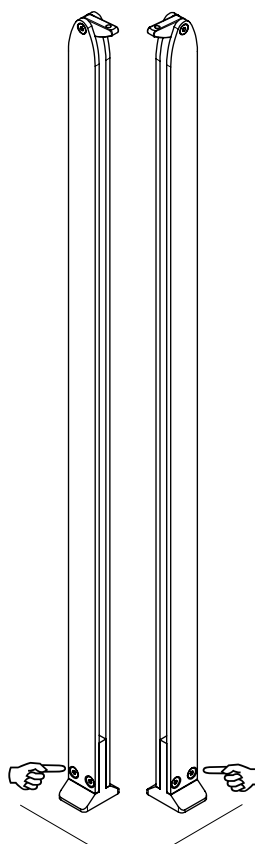


19a

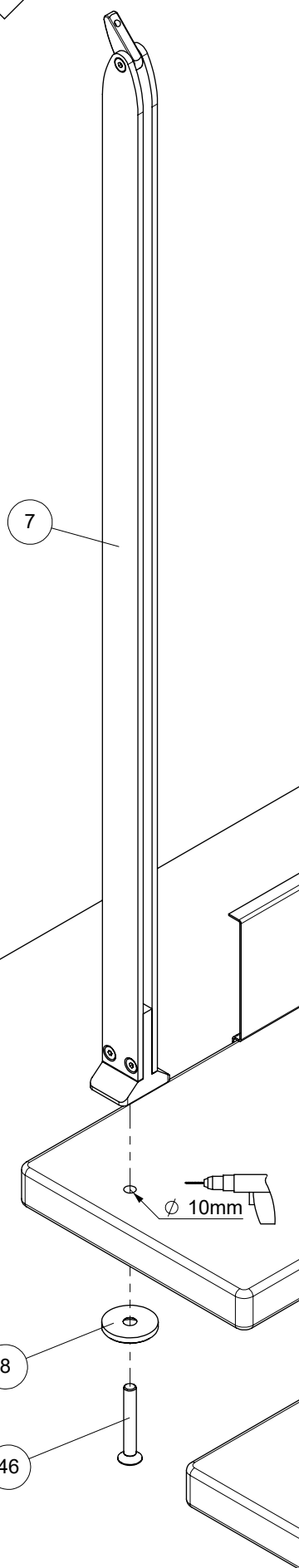


R

L



19b



19c

