

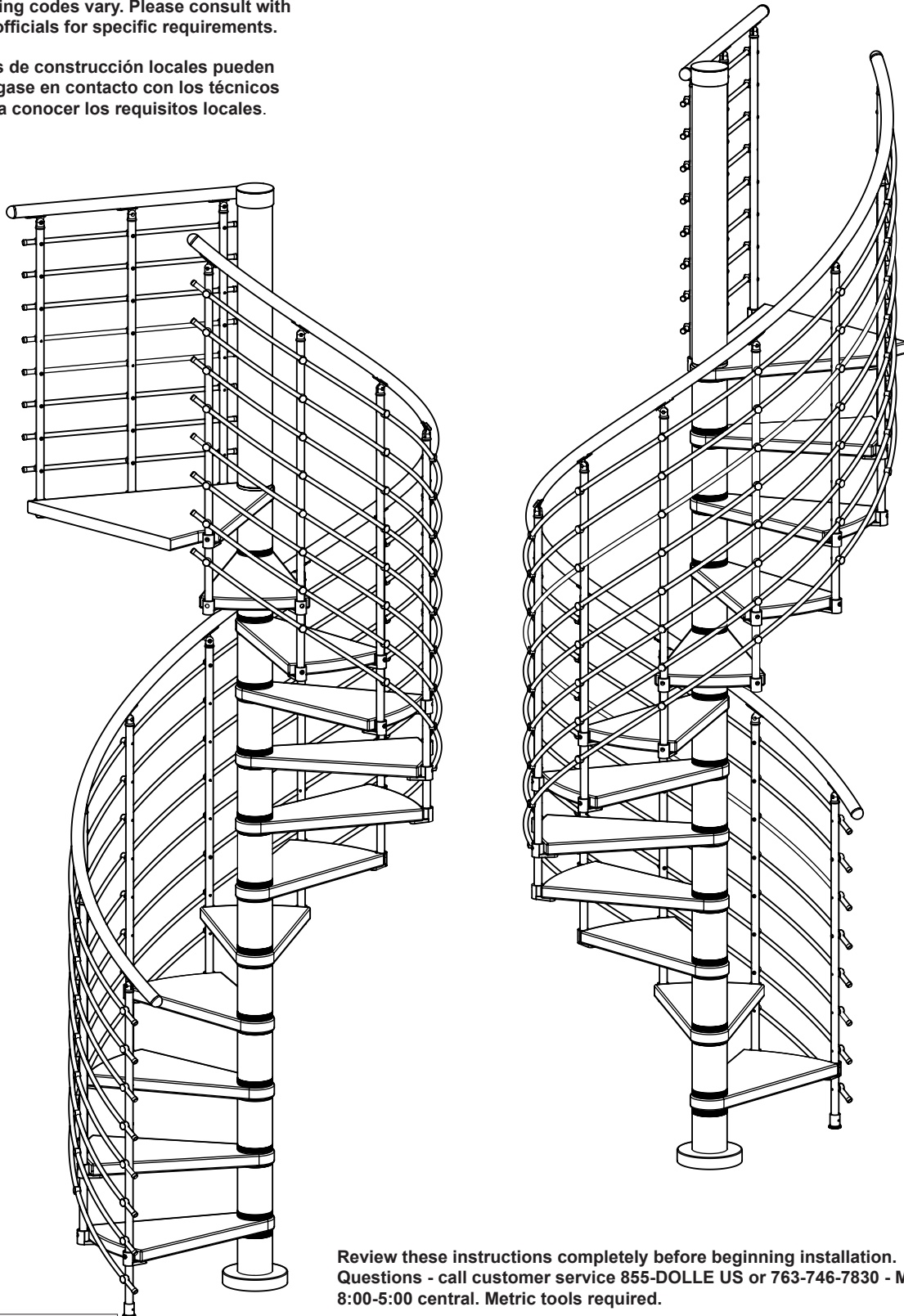
OSLO

White • Blanco

Assembly instruction Instrucciones de instalación

Local building codes vary. Please consult with your local officials for specific requirements.

Las normas de construcción locales pueden variar. Póngase en contacto con los técnicos locales para conocer los requisitos locales.



Review these instructions completely before beginning installation.
Questions - call customer service 855-DOLLE US or 763-746-7830 - Monday - Friday
8:00-5:00 central. Metric tools required.

Revise estas instrucciones en su totalidad antes de iniciar la instalación.
Si tiene alguna pregunta, llame al servicio al cliente al 855-DOLLE desde los EE.UU
o al 763-746-7830 de lunes a viernes de 8:00 a 5:00, hora central de los EE.UU. Se
necesitan herramientas métricas.

Mounting videos:
Vídeos de montaje:
www.dolleusa.com

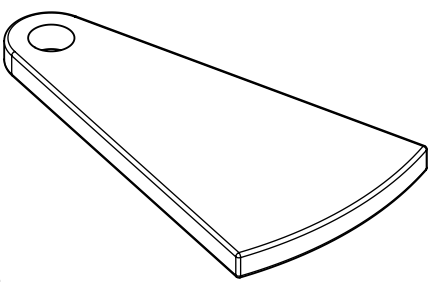
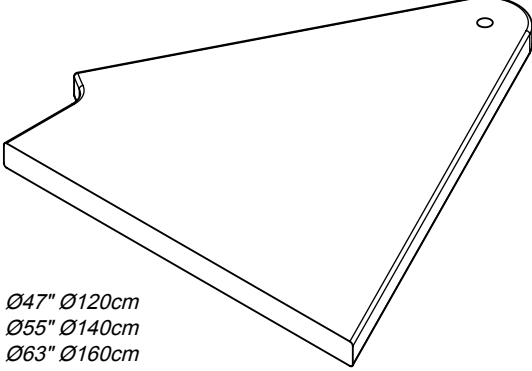
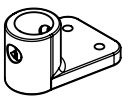
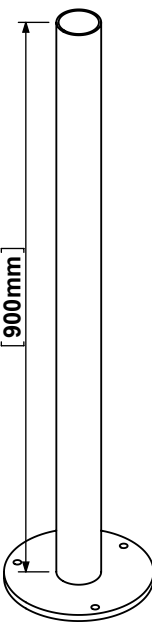
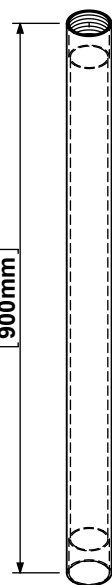
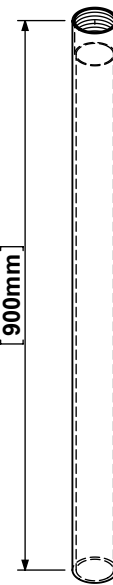
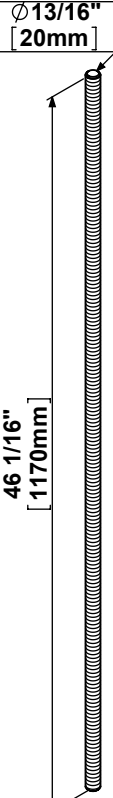
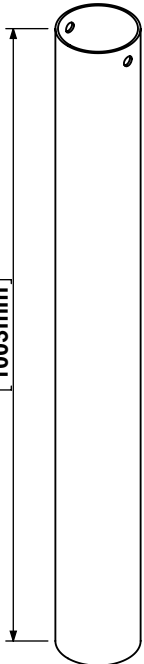
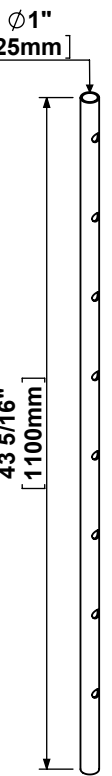
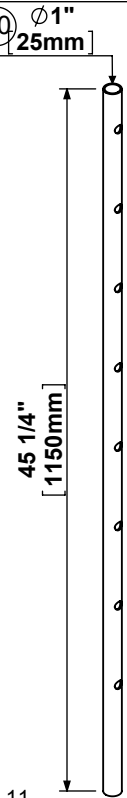
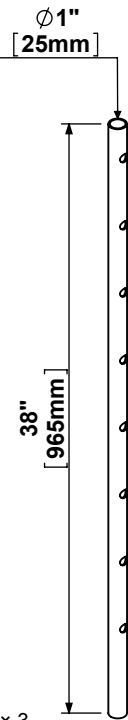


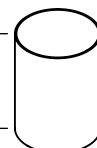
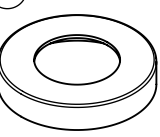
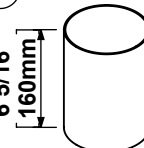


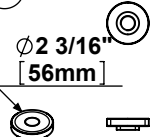


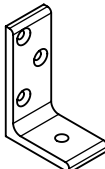






Part list • Parte de la lista

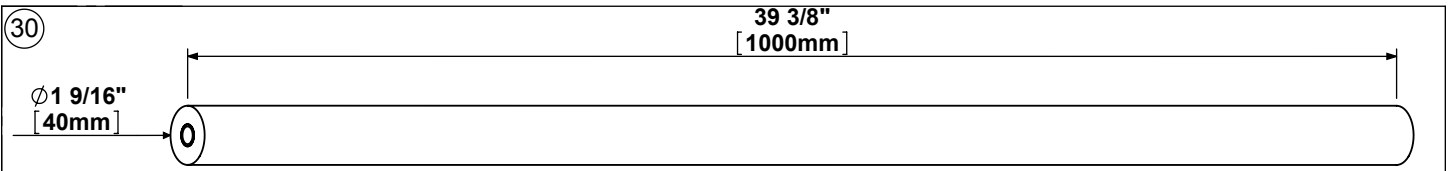
Components & Number of Each Component

Please check that all items are included before assembly

Componentes y Número de cada componente

Verifique que todos los componentes estén incluidos antes de la entrega

<p>①</p>  <p>× 11 K1-32031 $\varnothing 47'' \varnothing 120cm$ K1-32061 $\varnothing 55'' \varnothing 140cm$ K1-32066 $\varnothing 63'' \varnothing 160cm$</p>			<p>②</p>  <p>× 1 K1-32030 $\varnothing 47'' \varnothing 120cm$ K1-32060 $\varnothing 55'' \varnothing 140cm$ K1-32065 $\varnothing 63'' \varnothing 160cm$</p>			<p>③</p>  <p>× 26 K1-32015</p>		
<p>④</p>  <p>35 7/16" [900mm]</p> <p>× 1 K2-32001</p>	<p>⑤</p>  <p>35 7/16" [900mm]</p> <p>× 1 K1-32002</p>	<p>⑥</p>  <p>35 7/16" [900mm]</p> <p>× 1 K1-32001</p>	<p>⑦</p>  <p>$\varnothing 13/16''$ [20mm]</p> <p>46 1/16" [1170mm]</p> <p>39 1/2" [1003mm]</p> <p>× 1 K3-07013</p>	<p>⑧</p>  <p>39 1/2" [1003mm]</p> <p>× 1 K2-32018</p>	<p>⑨</p>  <p>$\varnothing 1''$ [25mm]</p> <p>43 5/16" [1100mm]</p> <p>× 1 K1-32023</p>	<p>⑩</p>  <p>$\varnothing 1''$ [25mm]</p> <p>45 1/4" [1150mm]</p> <p>× 11 K1-32028</p>	<p>⑪</p>  <p>$\varnothing 1''$ [25mm]</p> <p>38" [965mm]</p> <p>× 3 K1-32029</p>	
<p>⑫</p>  <p>× 60 K1-32012</p>	<p>⑬</p>  <p>× 24 K1-32011</p>	<p>⑭</p>  <p>6 1/8" [155mm]</p> <p>× 1 K1-32013</p>	<p>⑮</p>  <p>× 1 K1-32014</p>	<p>⑯</p>  <p>6 5/16" [160mm]</p> <p>× 11 K1-32010</p>	<p>⑰</p>  <p>$\varnothing 1 1/4''$ [32mm]</p> <p>× 1 K1-32024</p>	<p>⑱</p>  <p>$\varnothing 2 3/16''$ [56mm]</p> <p>× 2 K1-32004</p>	<p>⑲</p>  <p>$\varnothing 2 3/16''$ [56mm]</p> <p>× 1 K1-32005</p>	
<p>⑳</p>  <p>× 1 K1-32006</p>	<p>㉑</p>  <p>× 1 K1-32019</p>	<p>㉒</p>  <p>× 3 K1-32045</p>	<p>㉓</p>  <p>× 15 K1-32026</p>	<p>㉔</p>  <p>× 15 K1-32025</p>	<p>㉕</p>  <p>× 120 K1-32075</p>	<p>㉖</p>  <p>× 4 K2-32042</p>		
<p>㉘</p>  <p>$\varnothing 9/16''$ [15mm]</p> <p>8 × K1-32072 3'-3 3/8" = 1 m</p>			<p>㉙</p>  <p>$\varnothing 1 9/16''$ [40mm]</p> <p>$\varnothing 47'' \varnothing 120cm$: K2-32501 14'-9" = 4.5 m</p> <p>$\varnothing 55'' \varnothing 140cm$: K2-32502 16'-5" = 5.0 m</p> <p>$\varnothing 63'' \varnothing 160cm$: K2-32503 18'-0 1/2" = 5.5 m</p>					

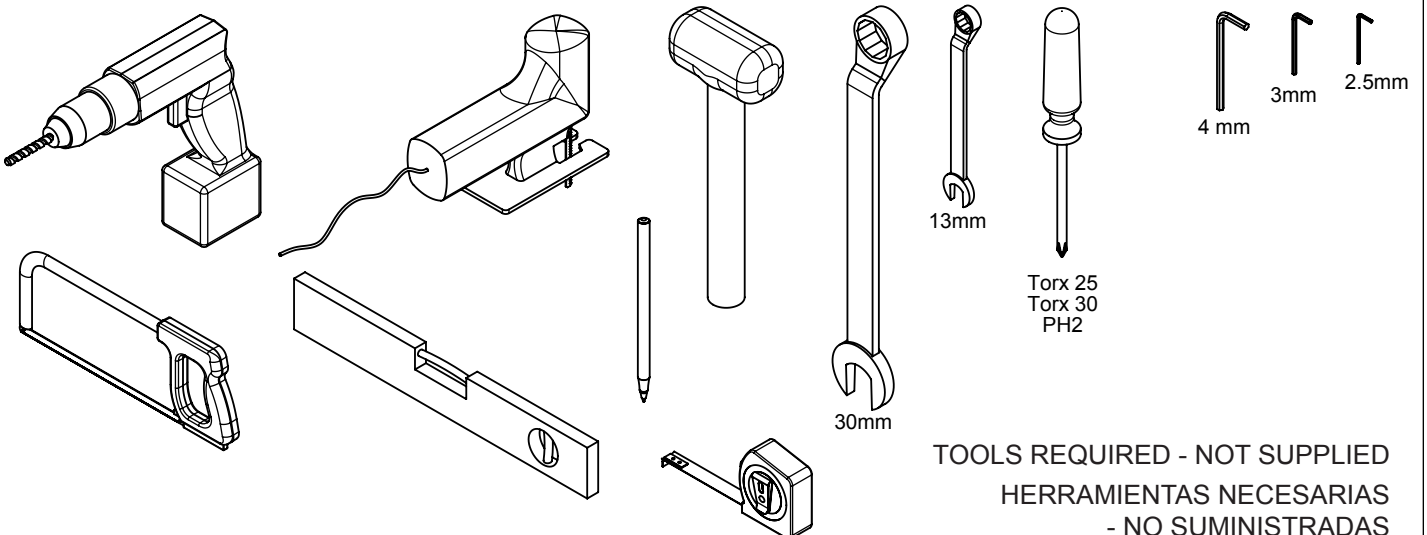


× 1
K2-32520

		33	34		35		
		× 1 K1-32080 $\text{Ø}47'' \text{Ø}120\text{cm}$ K1-32081 $\text{Ø}55'' \text{Ø}140\text{cm}$ K2-32082 $\text{Ø}63'' \text{Ø}160\text{cm}$	× 32 K1-32070		× 1 K2-32085		
		38	39	40	41	42	
		× 5 K1-01015	× 26 K1-32096	× 14 K1-32097	× 1 K1-32046	× 1 K3-90001	
50	51	52	53	54	55	56	57
× 92 K3-10100 $\text{Ø}6 \times 40\text{mm}$	× 27 K3-05013 $M6 \times 6\text{mm}$	× 26 K3-03031 $M6 \times 10 \times 20\text{mm}$	× 8 K3-08004 $\text{Ø}10 \times 70\text{mm}$	× 8 K3-10075 $\text{Ø}8\text{mm}$	× 8 K3-10175 $\text{Ø}8 \times 70\text{mm}$	× 2 K3-03024 $M20\text{mm}$	× 2 K3-04020 $\text{Ø}20\text{mm}$
58	59	60	61	62	63	64	
× 1 K3-08002 $\text{Ø}8 \times 40$	× 120 K3-10250 $M6 \times 16\text{mm}$	× 4 R1-63616 $\text{Ø}10\text{mm}$	× 30 K3-10125 $\text{Ø}5 \times 35\text{mm}$	× 15 K3-10025 $M5\text{mm}$	× 15 K3-10000 $M5 \times 18\text{mm}$	× 120 K3-10200 $M6 \times 5\text{mm}$	

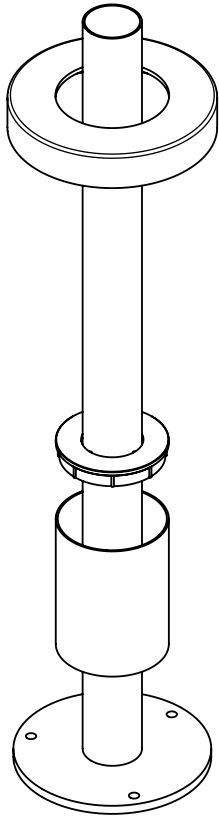
IMPORTANT: DO NOT USE PARTS OTHER THAN THOSE INCLUDED WITH THE PRODUCT. REPLACEMENT PARTS PURCHASED LOCALLY MUST BE METRIC. IN CASE PARTS HAVE BEEN LOST OR DAMAGED CONTACT DOLLE USA INC. FOR REPLACEMENT.

IMPORTANTE: NO UTILICE PIEZAS DIFERENTES DE LAS SUMINISTRADAS CON EL PRODUCTO. LAS PIEZAS DE RECAMBIO ADQUIRIDAS POR SEPARADO DEBEN SER MÉTRICAS. EN CASO DE PÉRDIDA DE PIEZAS O DE PIEZAS DAÑADAS, PÓNGASE EN CONTACTO CON DOLLE USA INC.

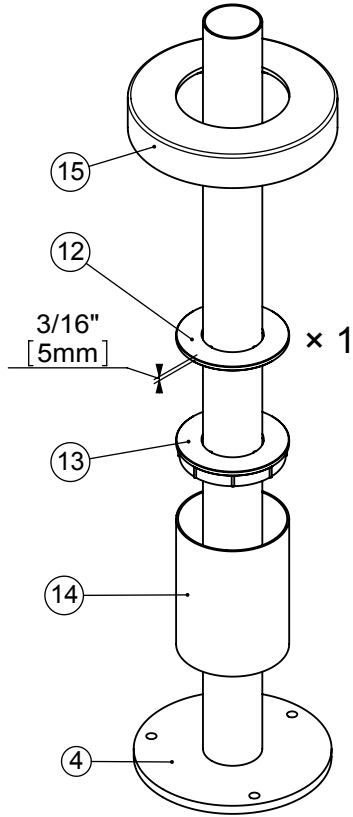


Spacers for floor section
Separadores de sección del piso

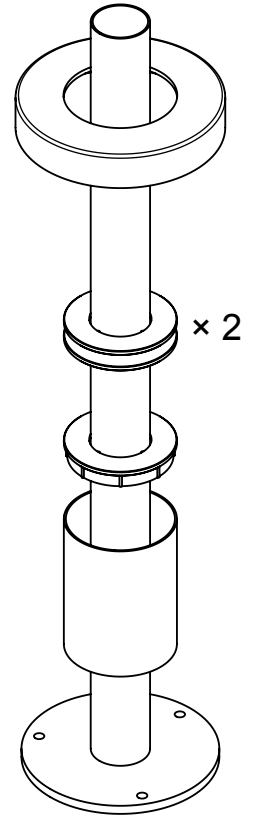
8 1/4"
[210mm]



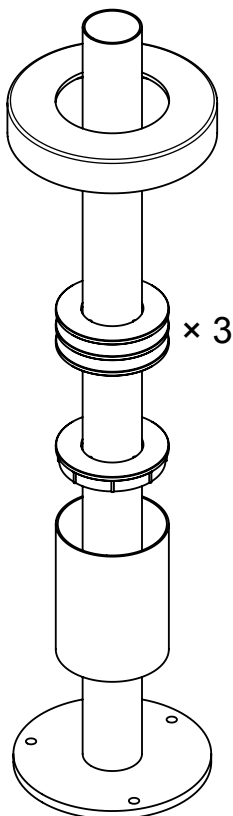
8 7/16"
[215mm]



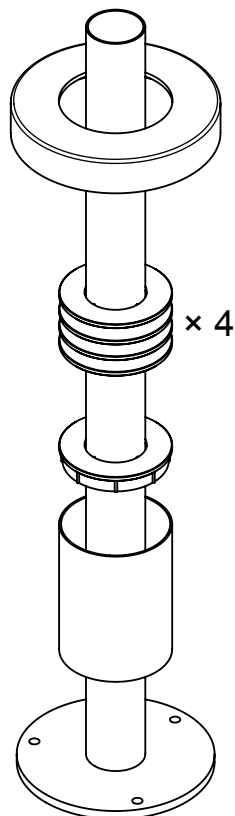
8 11/16"
[220mm]



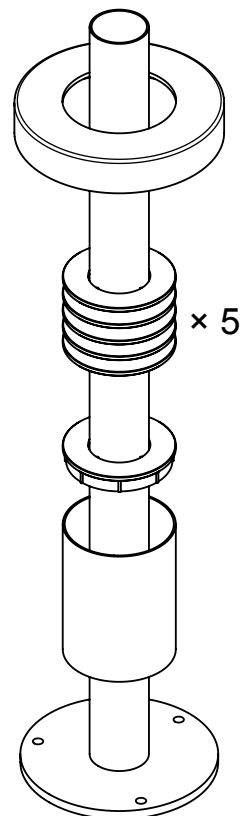
8 7/8"
[225mm]



9 1/16"
[230mm]

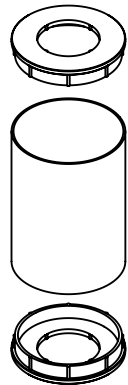


9 1/4"
[235mm]

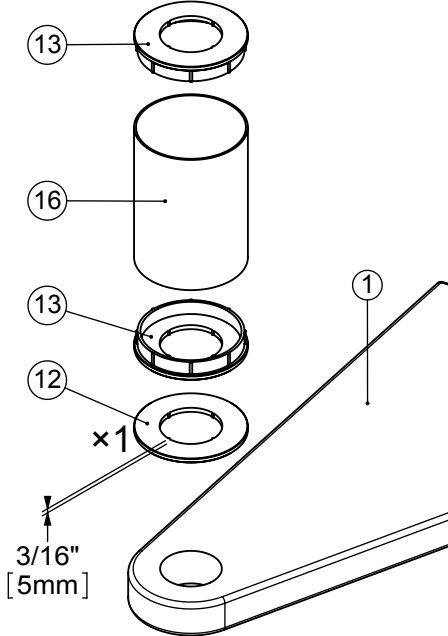


Spacers for treads
Separadores para peldaños

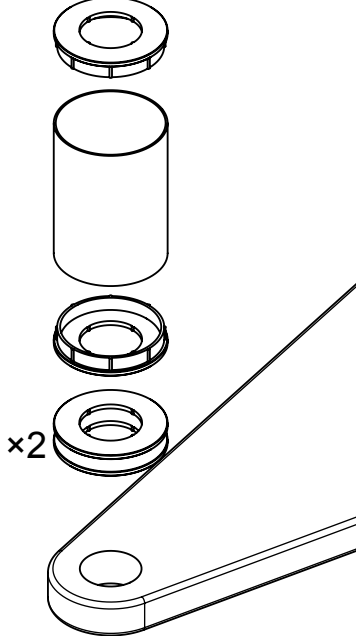
8 1/4"
[210mm]



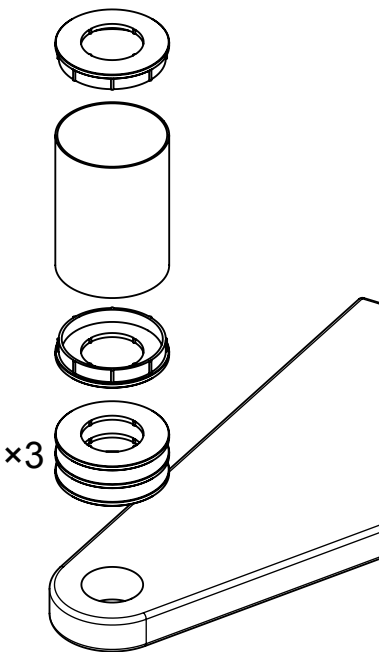
8 7/16"
[215mm]



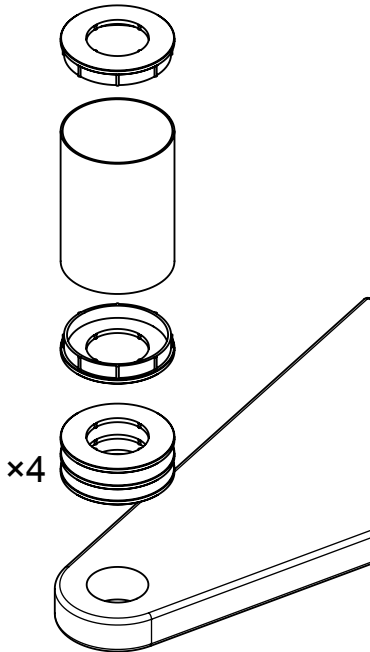
8 11/16"
[220mm]



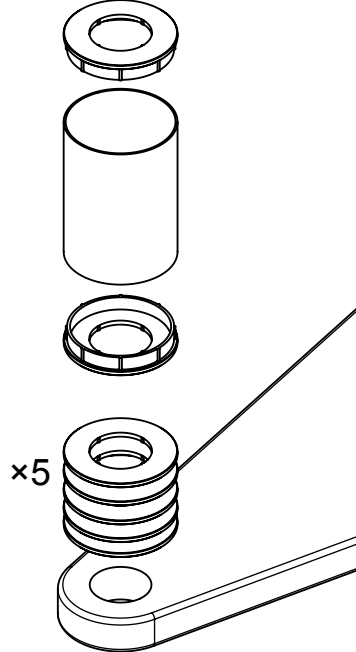
8 7/8"
[225mm]



9 1/16"
[230mm]



9 1/4"
[235mm]



To determinate the number of spacers to use based on your staricase height:

Figure on page 7:

- Before installing, calculate the exact height at your stairs by measuring the distance from the upstairs stairs floor to the downstairs floor vertically along the wall – see (H)
- To determine the number of spacer rings required table and find staircase height (H).
Example – 107 5/16” staircase height requires 3 rings on 12 treads and 1 extra ring on 5 treads.
- Only first tread has spacer rings on both top and bottom. All other treads, the spacer rings fit on top at tread only.

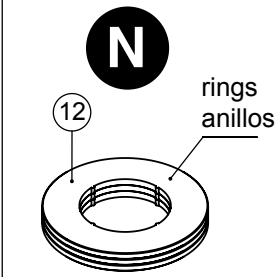
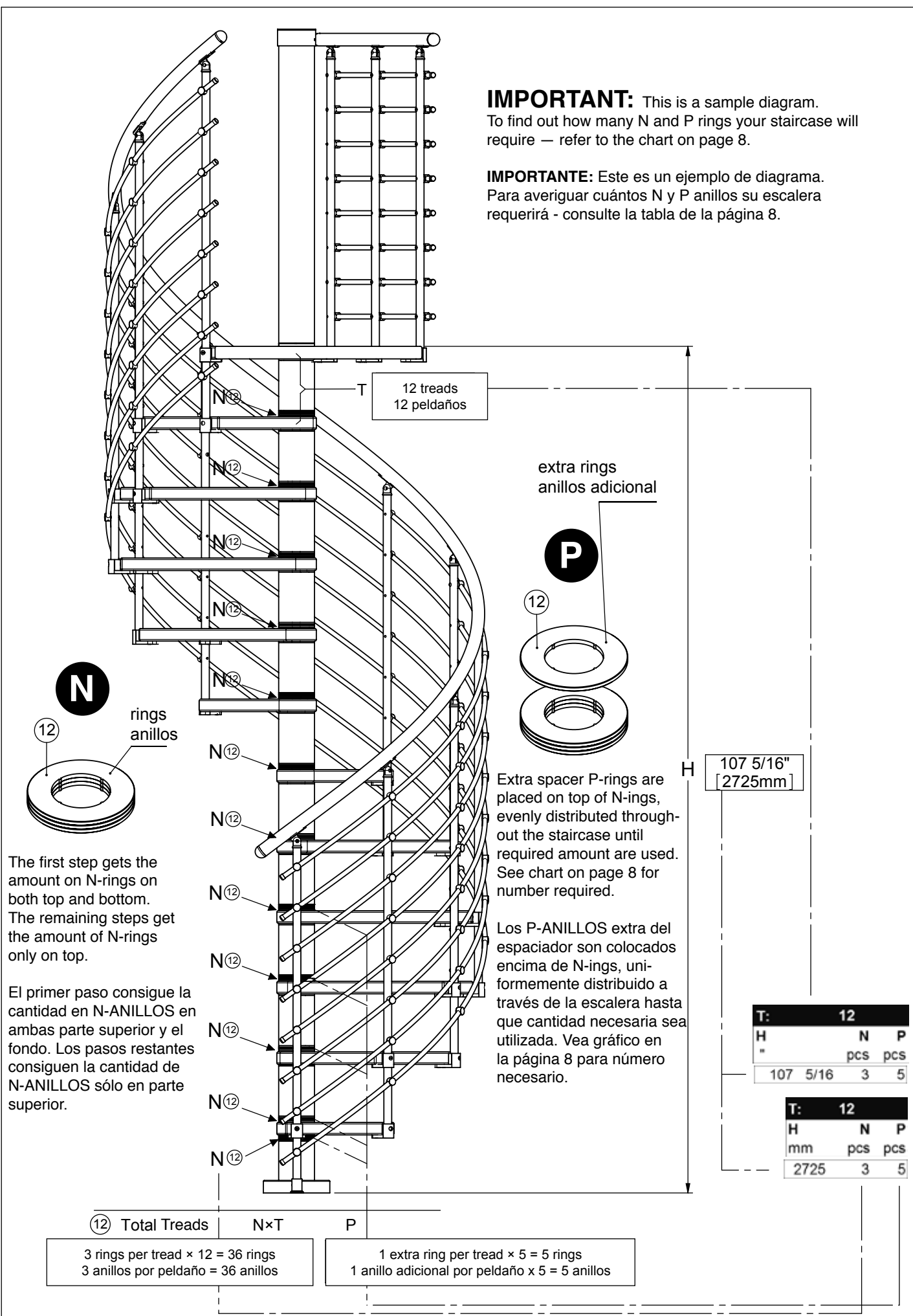
Para determinar el número de separadores a utilizar en su altura de escalera:

Figura en la página 7:

- Antes de la instalación, calcule la altura exacta en sus escaleras midiendo la distancia desde el piso de arriba hasta el piso de abajo a lo largo de la pared; véase la figura (H)
- Para determinar el número de anillos de escalera necesarios, consulte la altura de la escalera en la tabla (H). Por ejemplo - una altura de escalera de 107 5/16” requiere 3 anillos en 12 peldaños y 1 anillo adicional en 5 peldaños.
- Únicamente el primer peldaño tiene anillos separadores arriba y abajo. En los demás peldaños, los anillos separadores sólo se montan en la parte superior del peldaño.

IMPORTANT: This is a sample diagram. To find out how many N and P rings your staircase will require — refer to the chart on page 8.

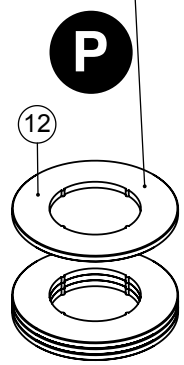
IMPORTANTE: Este es un ejemplo de diagrama. Para averiguar cuántos N y P anillos su escalera requerirá - consulte la tabla de la página 8.



The first step gets the amount on N-rings on both top and bottom. The remaining steps get the amount of N-rings only on top.

El primer paso consigue la cantidad en N-ANILLOS en ambas parte superior y el fondo. Los pasos restantes consiguen la cantidad de N-ANILLOS sólo en parte superior.

extra rings
anillos adicional



Extra spacer P-rings are placed on top of N-rings, evenly distributed throughout the staircase until required amount are used. See chart on page 8 for number required.

Los P-ANILLOS extra del espaciador son colocados encima de N-rings, uniformemente distribuido a través de la escalera hasta que cantidad necesaria sea utilizada. Vea gráfico en la página 8 para número necesario.

H 107 5/16"
[2725mm]

T:	12		
H		N	P
"		pcs	pcs
107 5/16		3	5

T:	12		
H		N	P
mm		pcs	pcs
2725		3	5

12 Total Treads N×T P

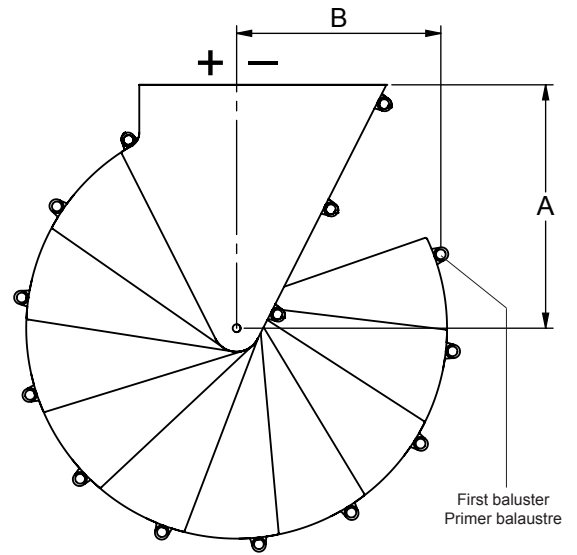
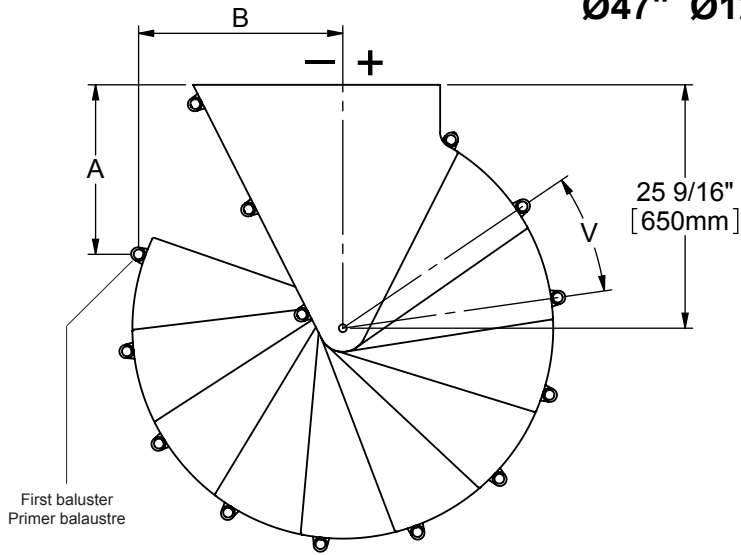
3 rings per tread × 12 = 36 rings
3 anillos por peldaño = 36 anillos

1 extra ring per tread × 5 = 5 rings
1 anillo adicional por peldaño × 5 = 5 anillos

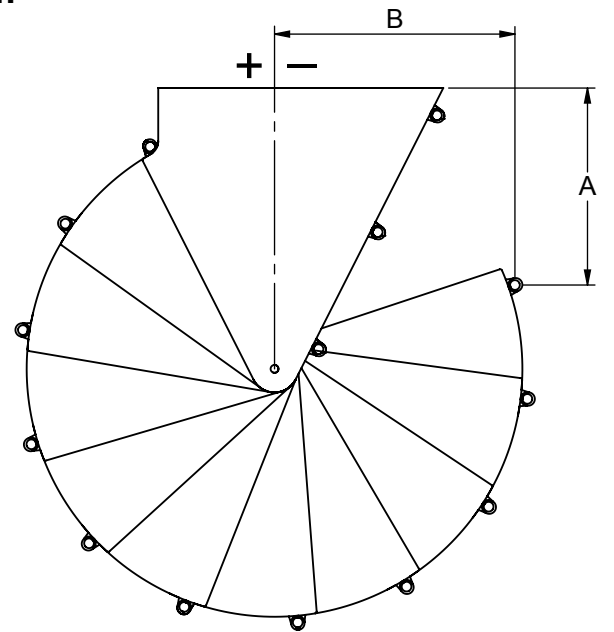
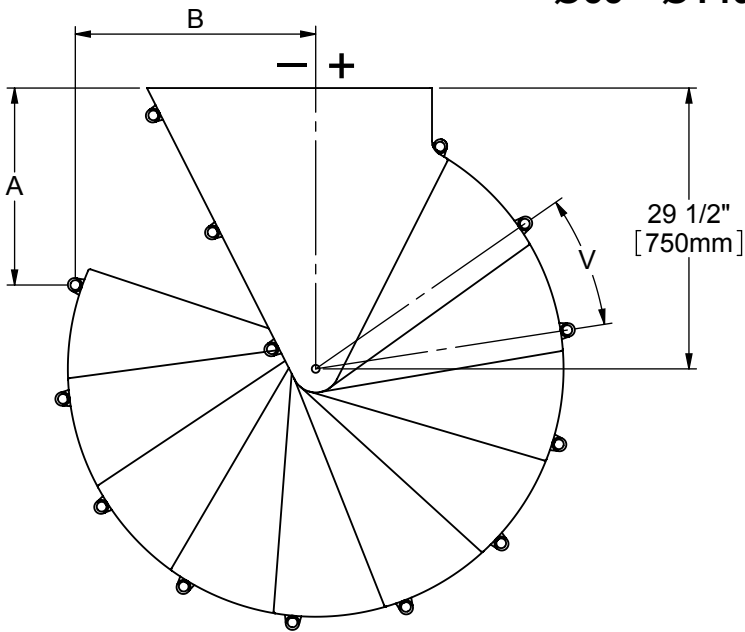
Right spiral
Espiral de la derecha

Left spiral
Espiral de la izquierda

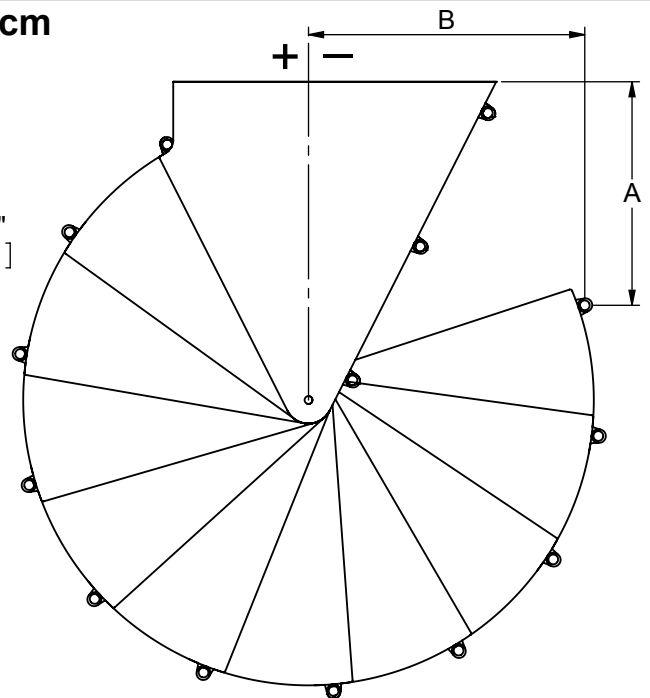
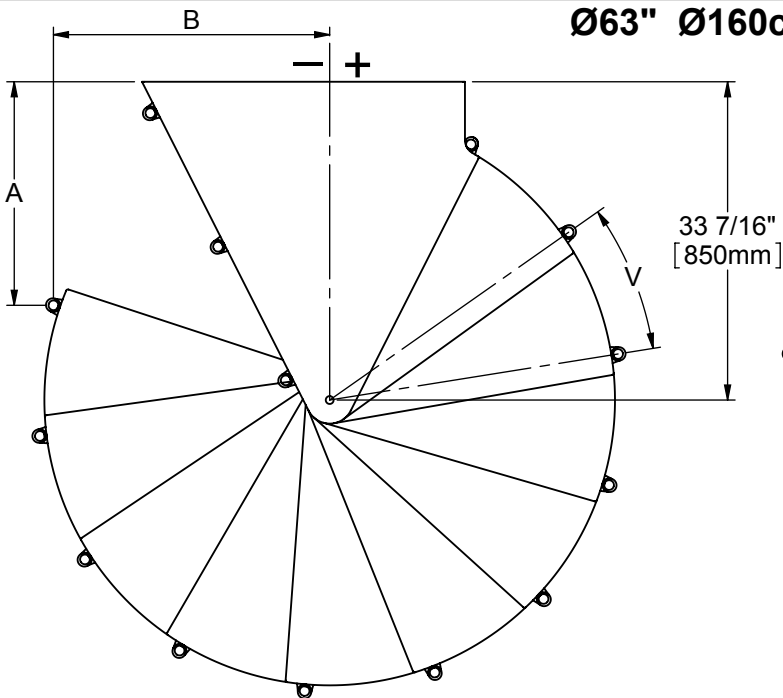
Ø47" Ø120cm



Ø55" Ø140cm



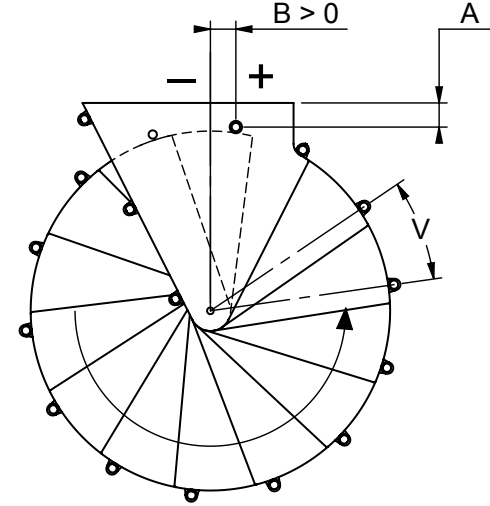
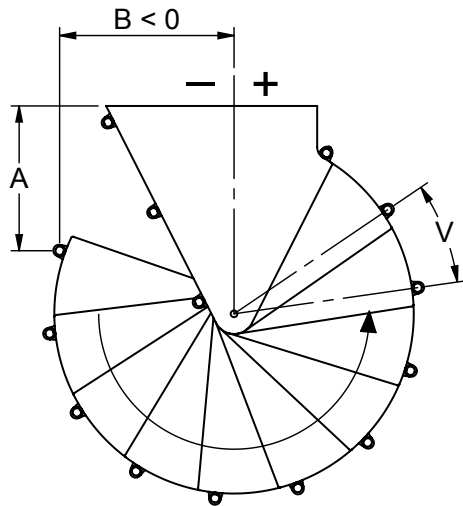
Ø63" Ø160cm



47" Ø120 cm					
N	V	A		B	
		"	mm	"	mm
10	26	28	711,7	-22 11/16	-576,7
	27	24 7/16	620,8	-22 13/16	-579,3
	28	20 7/8	530,5	-22 3/8	-567,6
	29	17 7/16	443,2	-21 5/16	-541,9
	30	14 3/16	361,0	-19 13/16	-502,9
11	26	17 13/16	452,7	-21 1/2	-545,4
	27	14 3/16	361,0	-19 13/16	-502,9
	28	10 15/16	278,0	-17 1/2	-445,0
	29	8 1/8	206,4	-14 11/16	-373,7
	30	5 13/16	148,3	-11 7/16	-291,0
12	26	9 3/16	233,6	-15 7/8	-403,7
	27	6 7/16	164,2	-12 1/2	-316,8
	28	4 7/16	112,7	-8 5/8	-218,3
	29	3 3/16	80,9	-4 3/8	-111,8
	30	2 3/4	70,0	- 1/16	-1,1
13	26	3 7/8	98,7	-7 1/8	-180,3
	27	2 7/8	73,3	-2 7/16	-61,7
	28	2 7/8	73,1	2 5/16	59,5
	29	3 7/8	98,0	7	178,2
	30	5 13/16	147,1	11 3/8	289,0
14	26	3	75,5	3 1/8	79,6
	27	4 4/16	108,1	8 1/8	206,8
	28	6 5/8	168,5	12 3/4	323,4
	29	10	253,6	16 11/16	423,4
	30	14 1/8	359,0	19 3/4	501,7
15	26	6 5/8	168,5	12 3/4	323,4
	27	10 4/16	261,1	16 15/16	430,3
	28	14 13/16	376,7	20 1/8	511,6
	29	20	508,6	22 1/8	562,5
	30	25 9/16	648,9	22 13/16	580,0
16	26	14 1/8	359,0	19 3/4	501,7
	27	19 5/8	498,8	22 1/16	559,9
	28	25 9/16	648,9	22 13/16	580,0
	29	31 7/16	799,0	22 1/16	560,5
	30	37	939,0	19 13/16	502,9

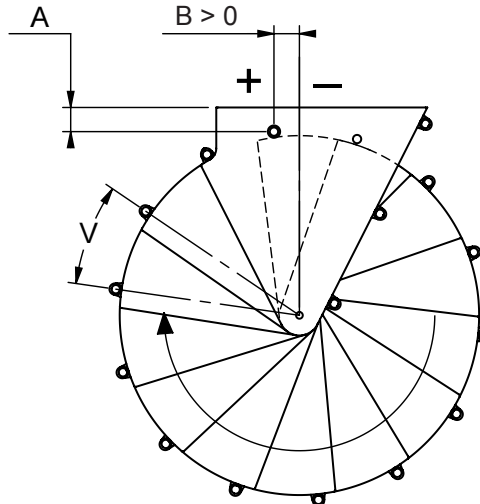
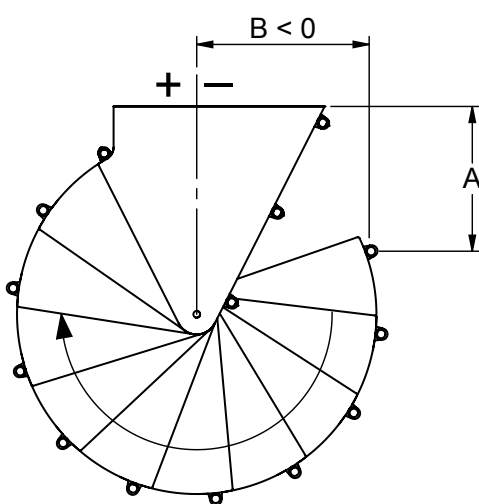
55" Ø140 cm					
N	V	A		B	
		"	mm	"	mm
10	26	32 11/16	830,2	-26 9/16	-675,3
	27	28 1/2	723,5	-26 3/4	-679,5
	28	24 5/16	617,6	-26 1/4	-667,0
	29	20 1/4	514,9	-25 1/8	-638,1
	30	16 7/16	417,9	-23 3/8	-593,4
11	26	20 11/16	526,0	-25 1/4	-642,1
	27	16 7/16	417,9	-23 3/8	-593,4
	28	12 5/8	319,9	-20 3/4	-526,7
	29	9 1/4	235,0	-17 1/2	-444,1
	30	6 1/2	165,7	-13 11/16	-347,9
12	26	10 1/2	267,2	-18 7/8	-478,9
	27	7 1/4	184,7	-14 7/8	-378,0
	28	4 13/16	123,0	-10 3/8	-263,2
	29	3 5/16	84,3	-5 7/16	-138,7
	30	2 3/4	70,1	- 3/8	-9,1
13	26	4 3/16	106,2	-8 5/8	-218,8
	27	2 15/16	74,7	-3 1/8	-80,2
	28	2 14/16	72,8	2 7/16	62,0
	29	3 15/16	100,5	7 15/16	201,4
	30	6 3/16	156,6	13 1/16	332,1
14	26	3	75,4	3 3/8	85,6
	27	4 7/16	111,9	9 1/4	235,1
	28	7 1/8	181,2	14 11/16	372,6
	29	11	279,6	19 5/16	491,0
	30	15 13/16	402,1	23	584,3
15	26	7 1/8	181,2	14 11/16	372,6
	27	11 3/8	288,2	19 5/8	499,2
	28	16 5/8	422,7	23 7/16	596,1
	29	22 11/16	576,6	25 7/8	657,5
	30	29 3/16	740,9	26 3/4	679,9
16	26	15 13/16	402,1	23	584,3
	27	22 1/4	565,2	25 3/4	654,4
	28	29 3/16	740,9	26 3/4	679,9
	29	36 1/8	917,2	25 15/16	659,1
	30	42 5/8	1082,1	23 3/8	593,4

63" Ø160 cm					
N	V	A		B	
		"	mm	"	mm
10	26	37 1/4	946,0	-30 1/2	-774,1
	27	32 7/16	823,8	-30 11/16	-779,6
	28	27 5/8	702,1	-30 1/8	-765,9
	29	23	584,2	-28 7/8	-733,3
	30	18 5/8	472,7	-26 7/8	-682,7
11	26	23 1/2	597,0	-29 1/16	-737,8
	27	18 5/8	472,7	-26 7/8	-682,7
	28	14 3/16	359,9	-23 7/8	-606,8
	29	10 5/16	262,0	-20 3/16	-512,5
	30	7 3/16	181,9	-15 7/8	-402,6
12	26	11 3/4	299,2	-21 3/4	-552,2
	27	8	203,9	-17 3/16	-437,0
	28	5 3/16	132,4	-12 1/16	-305,7
	29	3 7/16	87,3	-6 7/16	-163,1
	30	2 3/4	70,1	- 9/16	-14,6
13	26	4 7/16	112,8	-10 1/16	-254,9
	27	3	75,9	-3 3/4	-96,0
	28	2 7/8	72,9	2 5/8	67,0
	29	4 1/16	103,8	8 15/16	227,1
	30	6 9/16	167,3	14 7/8	377,3
14	26	3	75,7	3 11/16	94,1
	27	4 5/8	116,7	10 7/16	265,8
	28	7 11/16	195,3	16 11/16	424,0
	29	12 1/8	307,5	22 1/16	560,4
	30	17 5/8	447,4	26 5/16	668,1
15	26	7 11/16	195,3	16 11/16	424,0
	27	12 1/2	317,3	22 7/16	569,8
	28	18 9/16	471,0	26 13/16	681,7
	29	25 1/2	647,2	29 5/8	753,2
	30	32 7/8	835,4	30 11/16	779,9
16	26	17 5/8	447,4	26 5/16	668,1
	27	24 15/16	634,1	29 1/2	749,5
	28	32 7/8	835,4	30 11/16	779,9
	29	40 7/8	1037,7	29 13/16	757,1
	30	48 5/16	1227,3	26 7/8	682,7

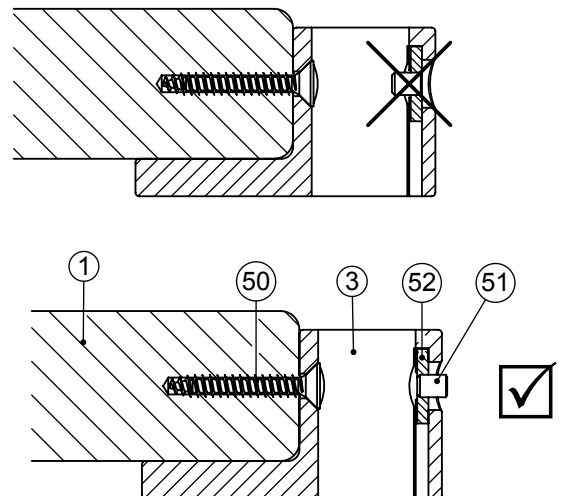
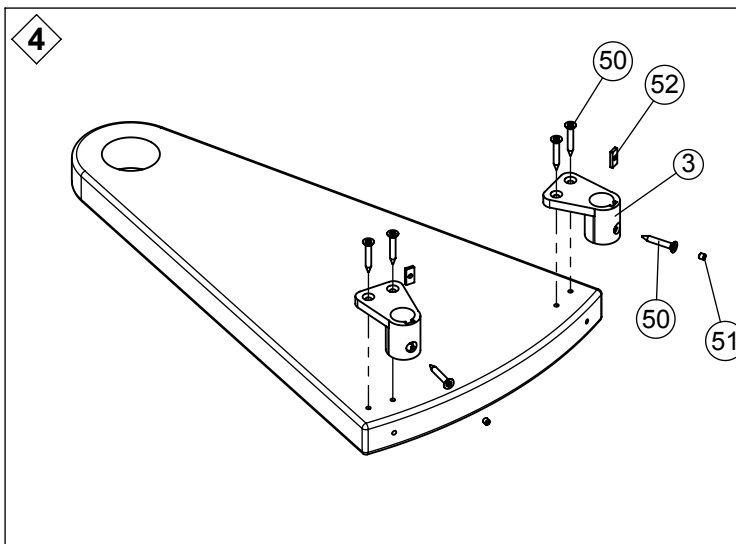
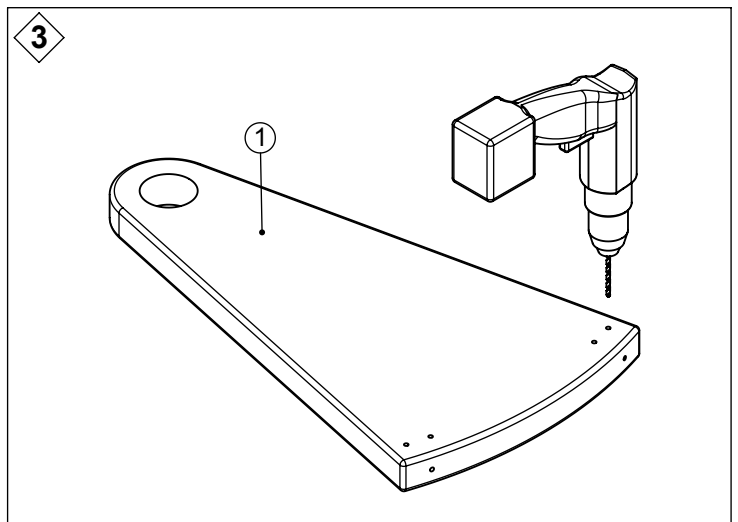
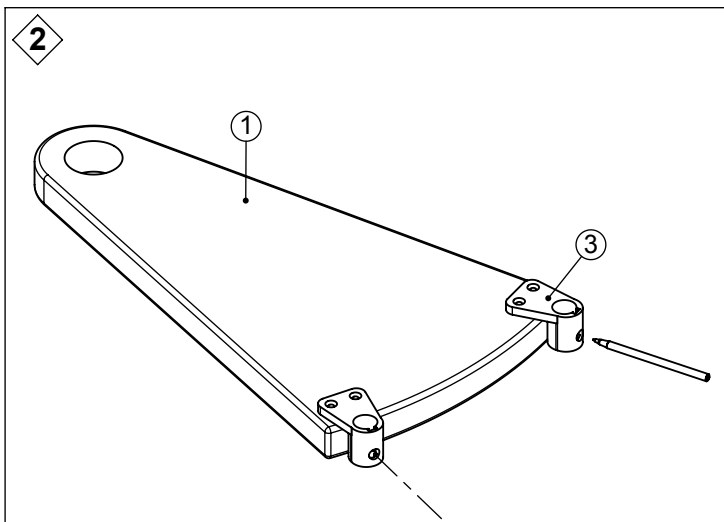
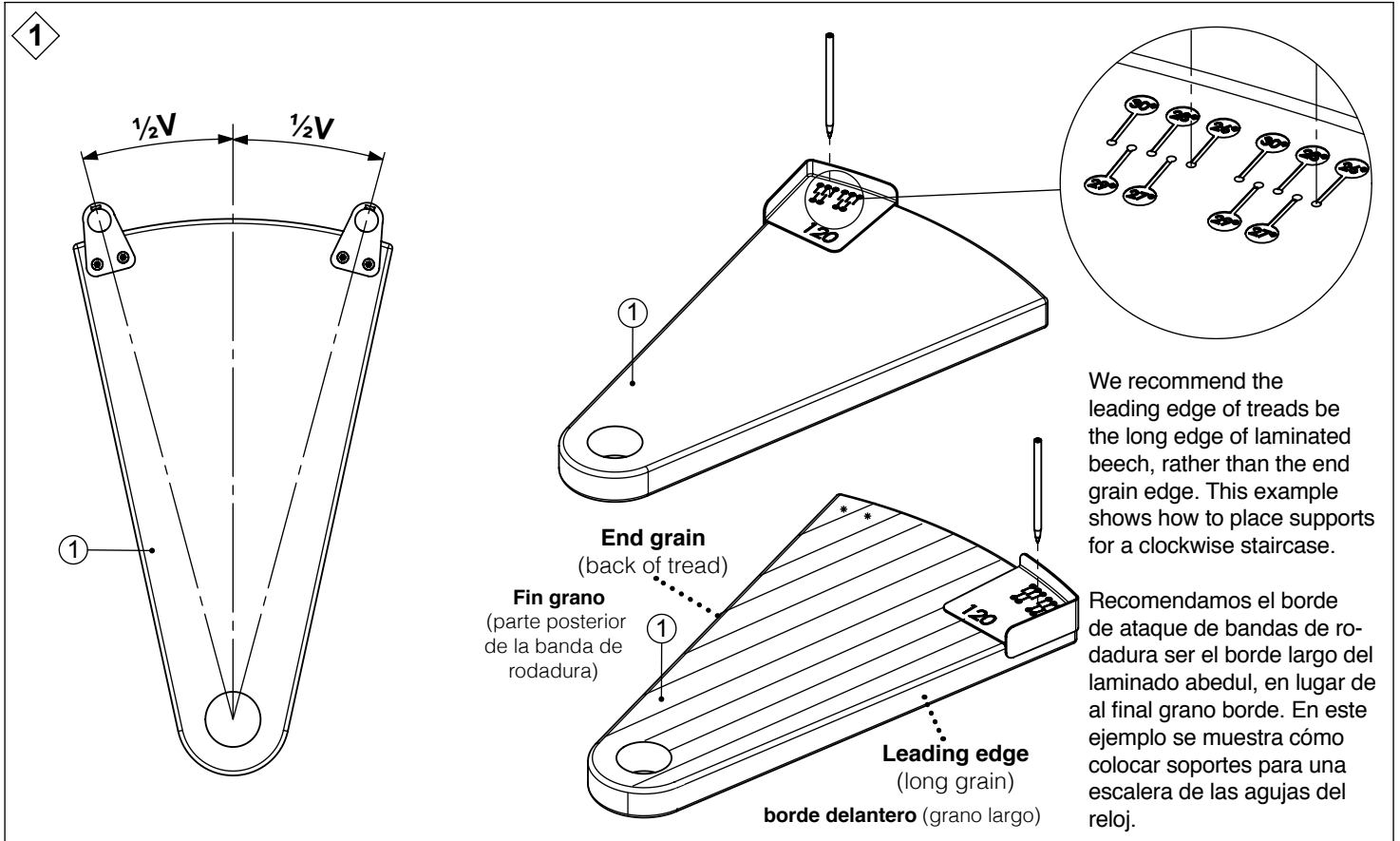


- A distance from wall to first baluster
- B center of post to baluster - distance along wall
- V template hole to use for drilling baluster (figure 1)
- N treads

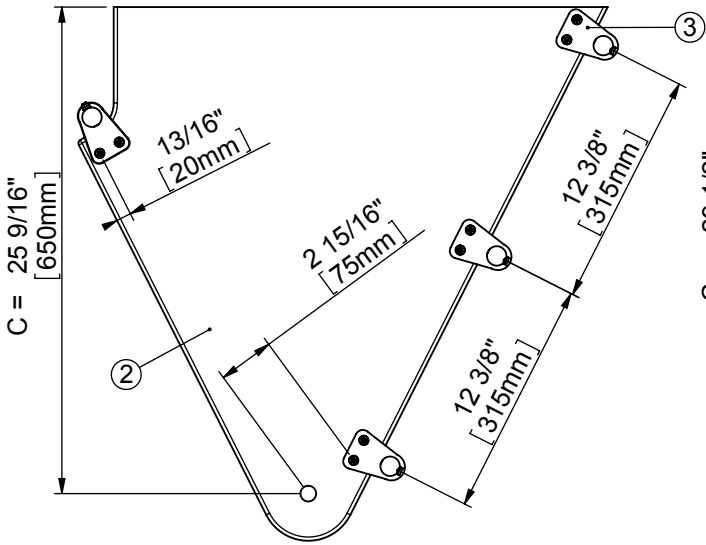
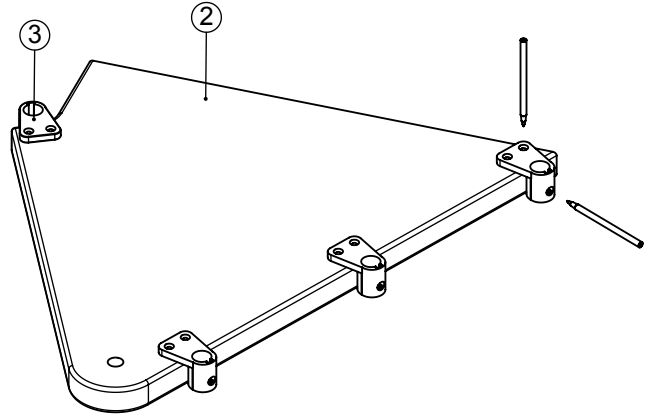
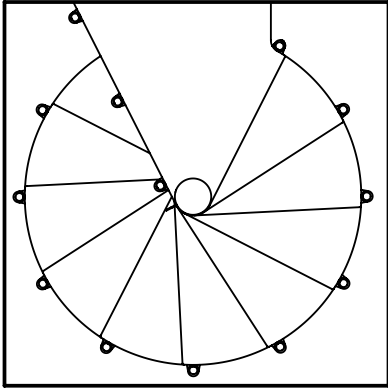
- A distancia desde la pared al primer balaustre
- B centro del poste al balaustre - distancia a lo largo de la pared
- V orificio de plantilla para taladrar el balaustre (figura 1)
- N peldaños



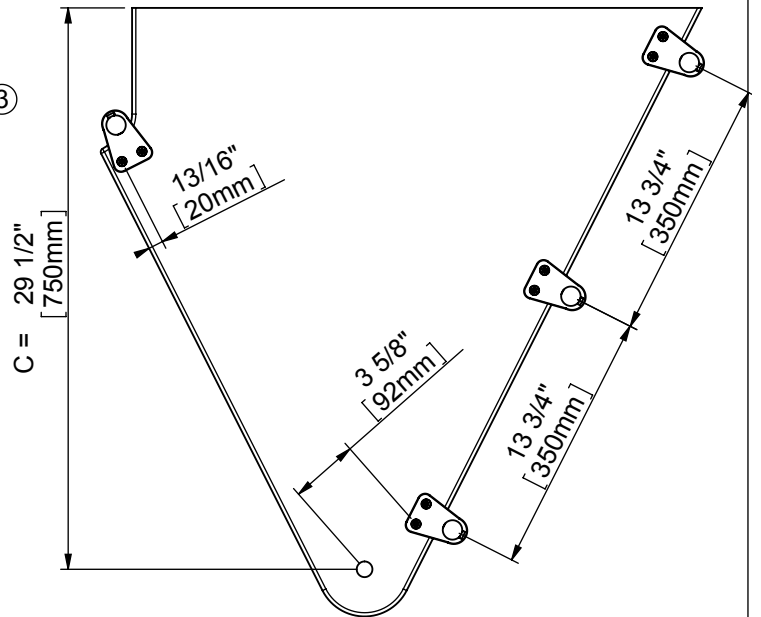
Assembling baluster supports to stairs Montaje de los soportes del balaustre a las escaleras



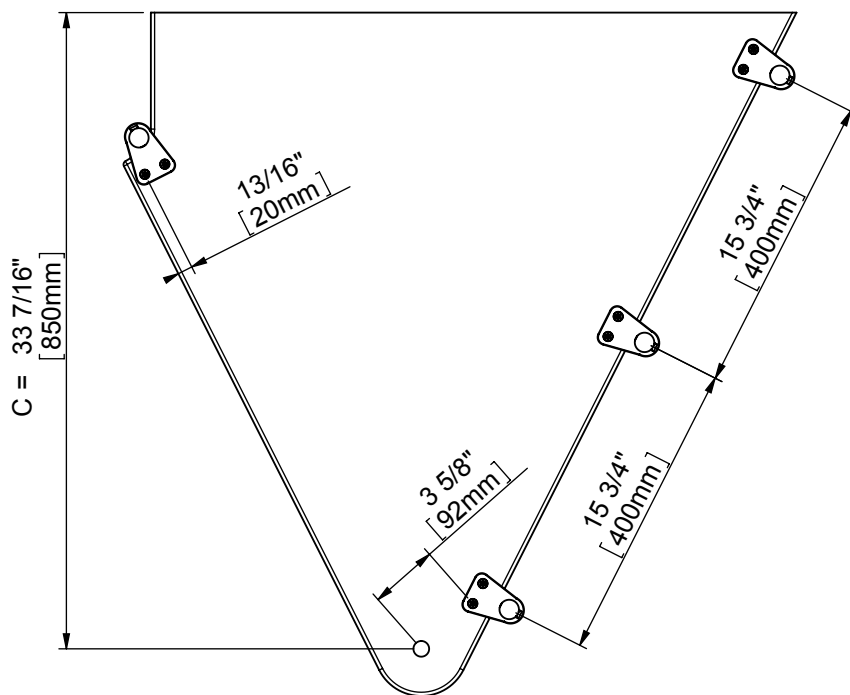
5



Ø47" / Ø 120 cm



Ø55" / Ø 140 cm

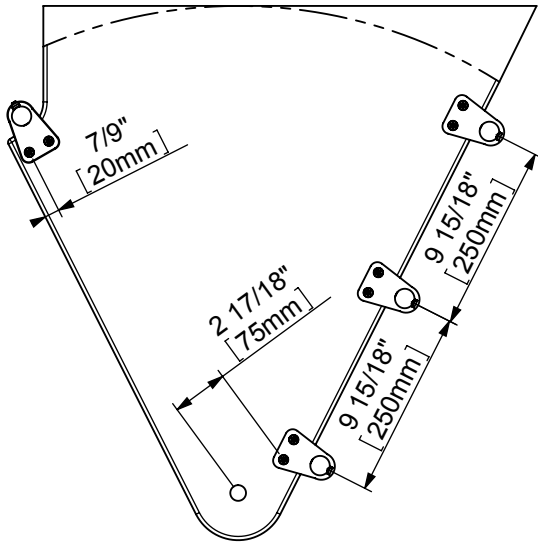
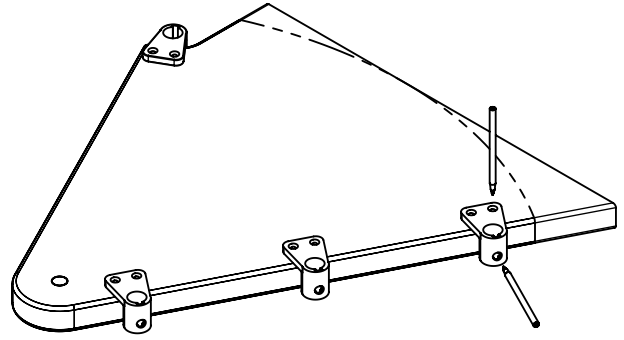
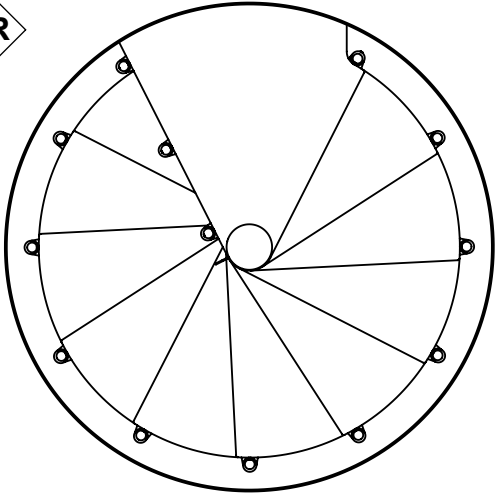


Ø63" / Ø 160 cm

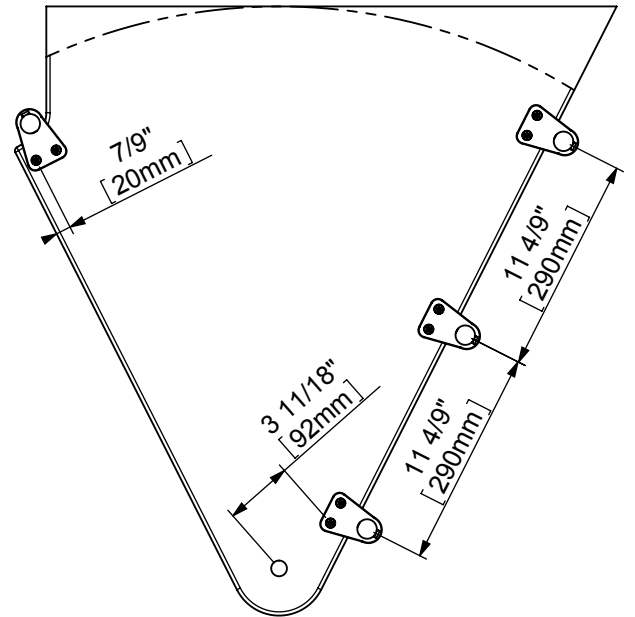
Cut top landing for round opening

Corte del rellano superior para abertura redonda

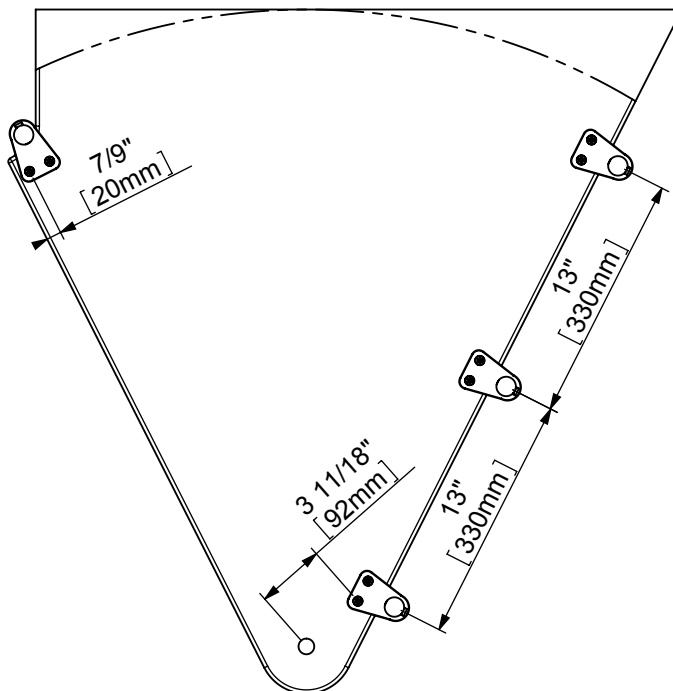
5R



Ø47" / Ø 120 cm



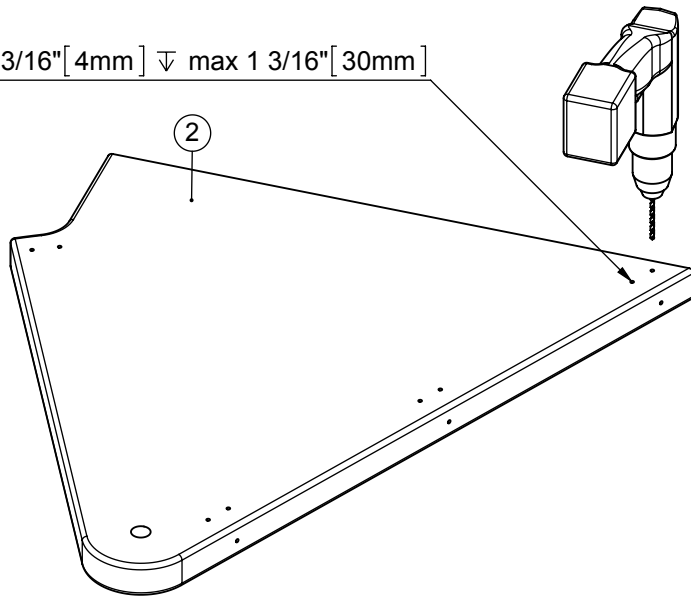
Ø55" / Ø 140 cm



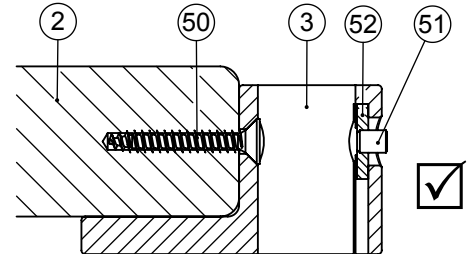
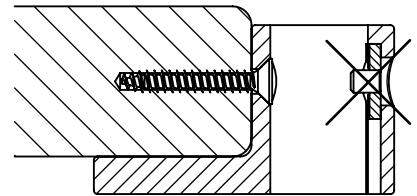
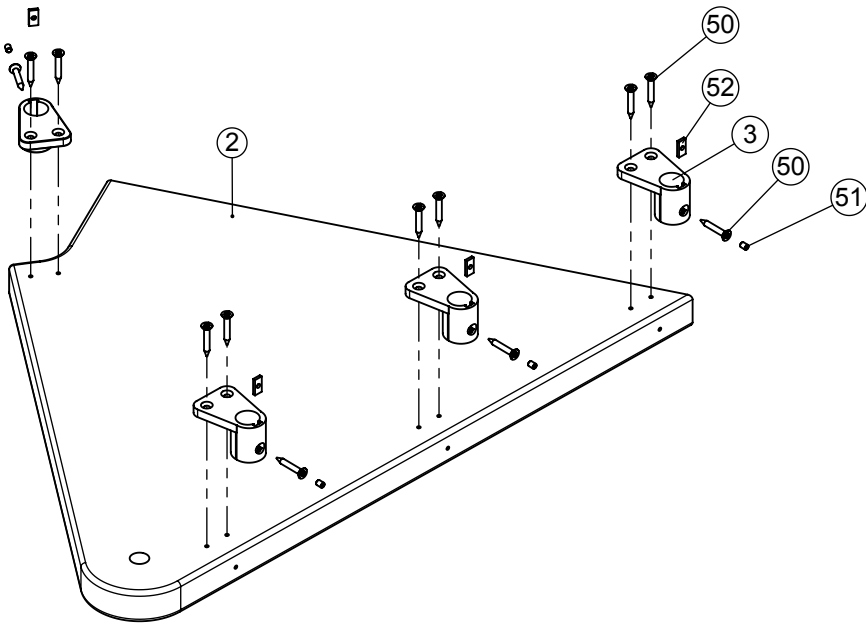
Ø63" / Ø 160 cm

6

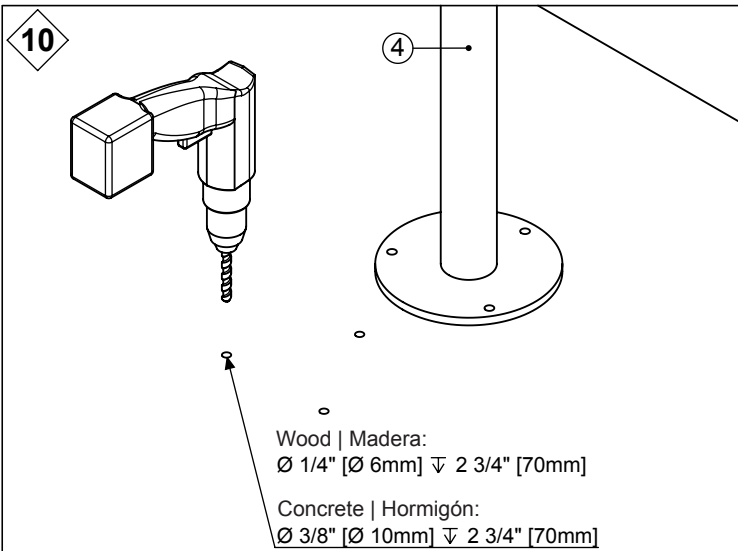
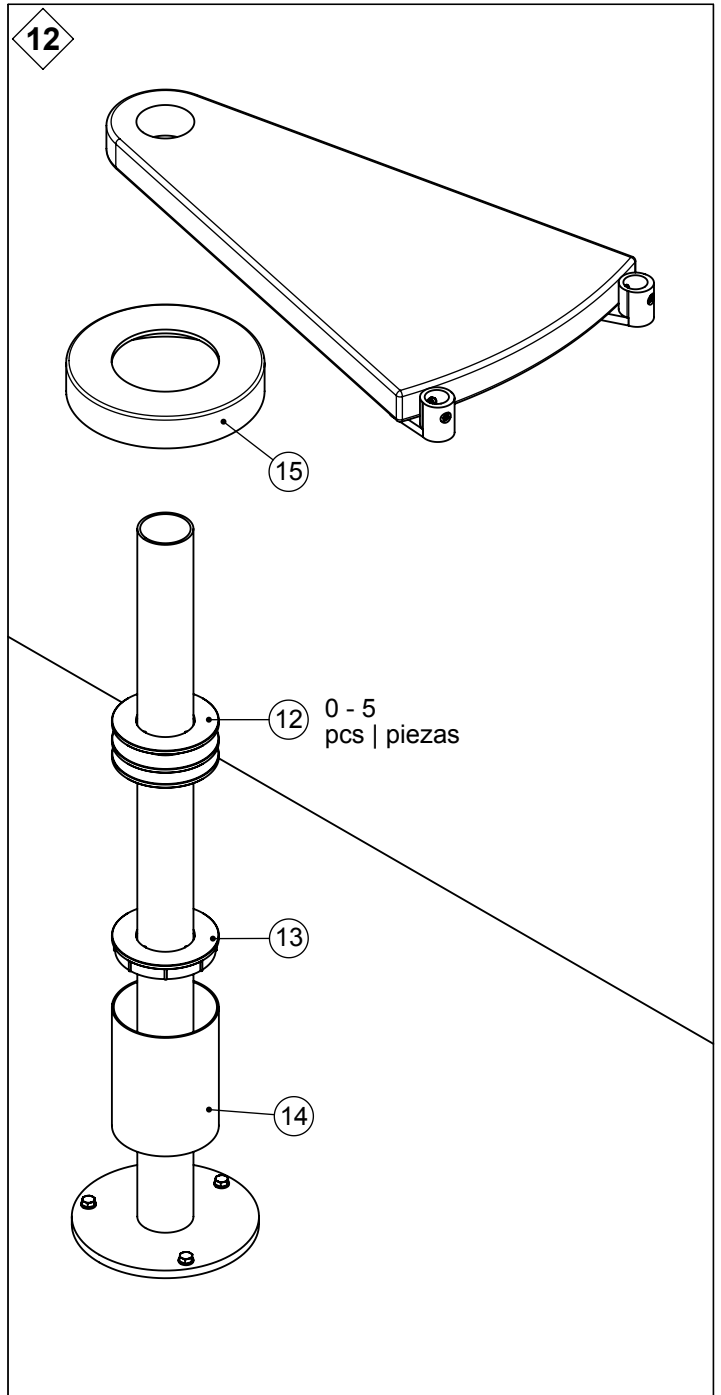
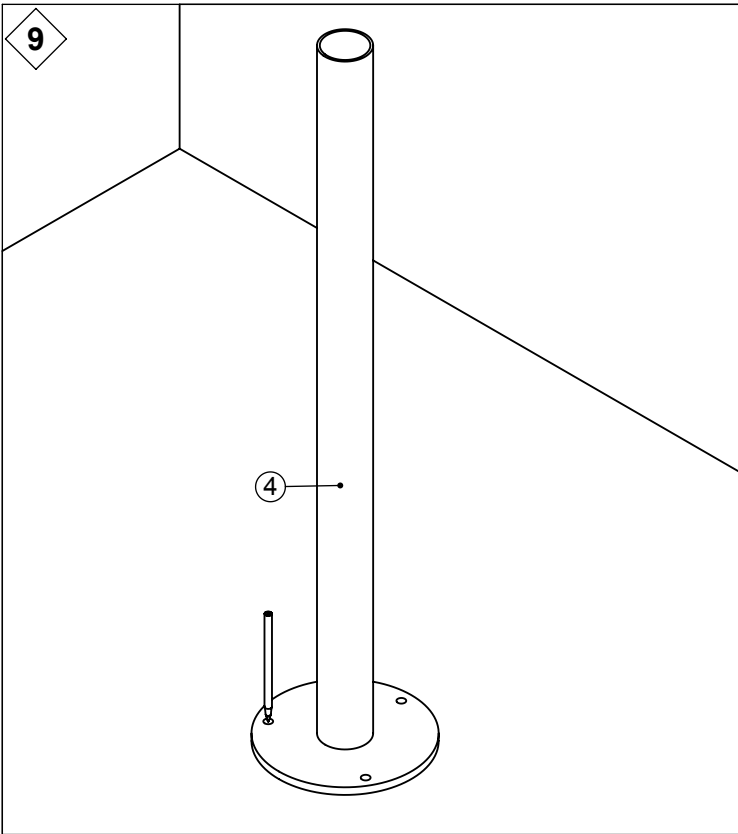
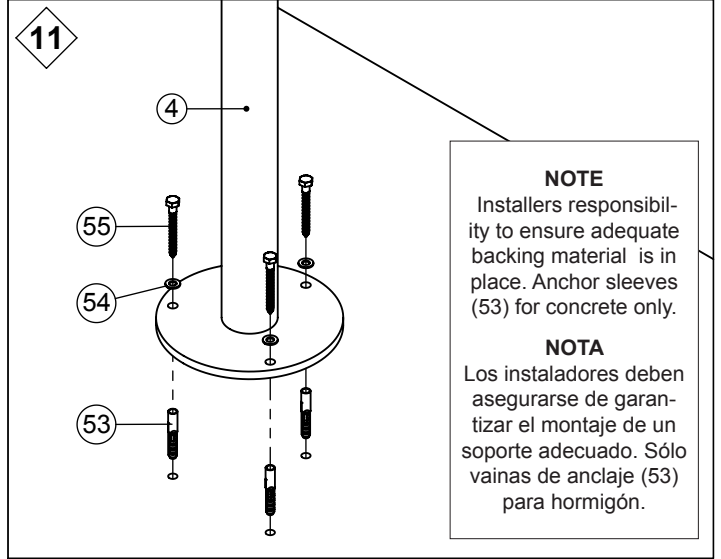
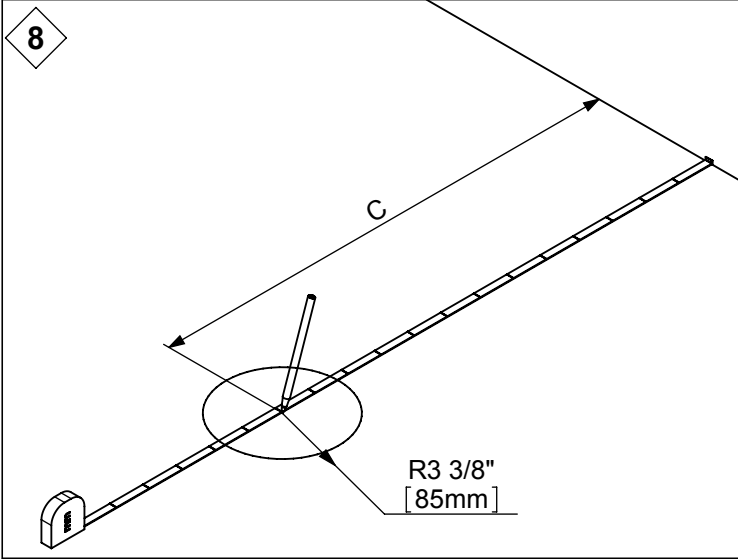
\varnothing 3/16" [4mm] ∇ max 1 3/16" [30mm]

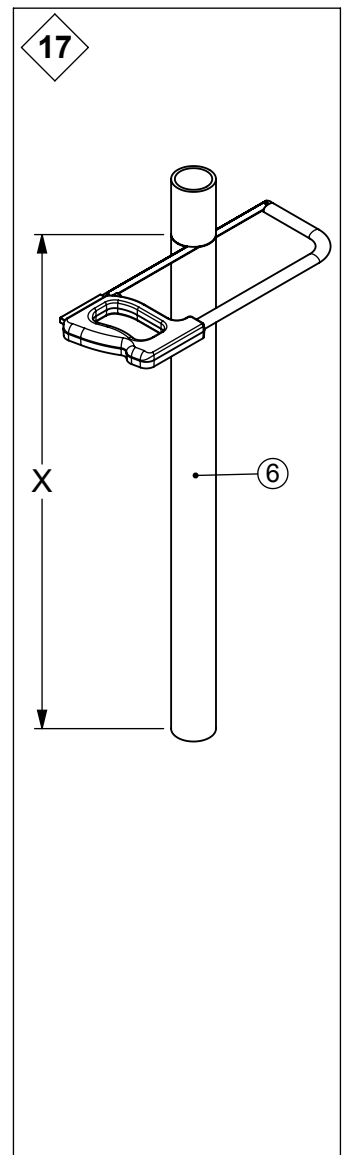
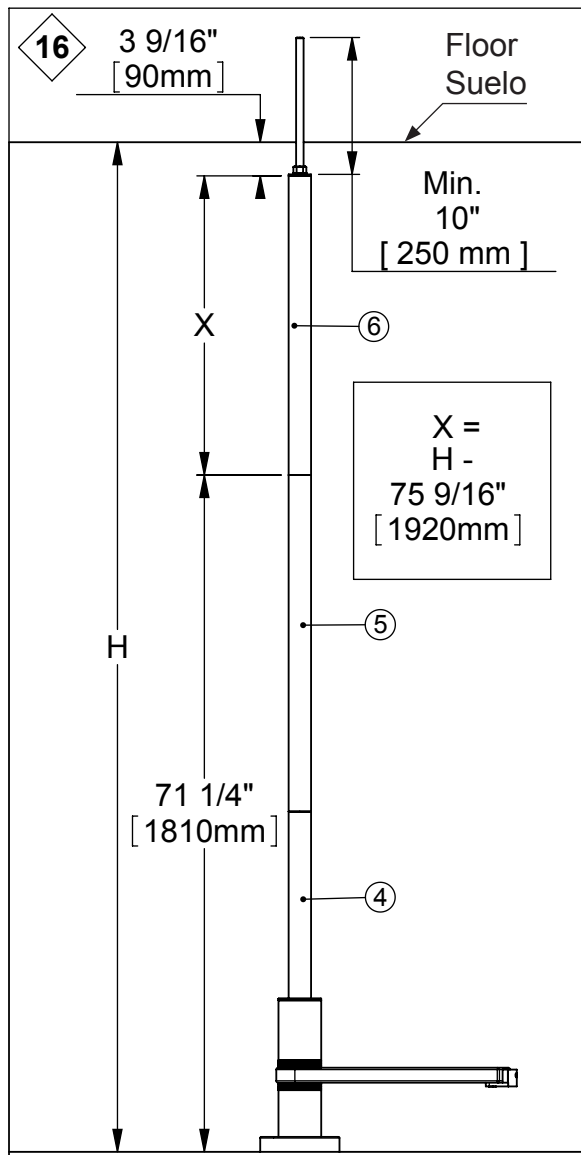
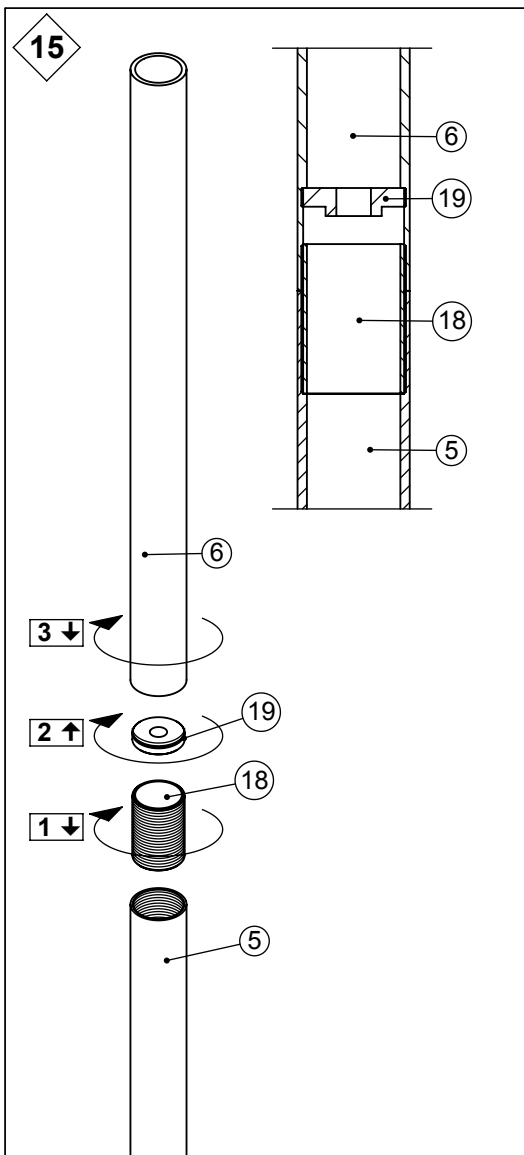
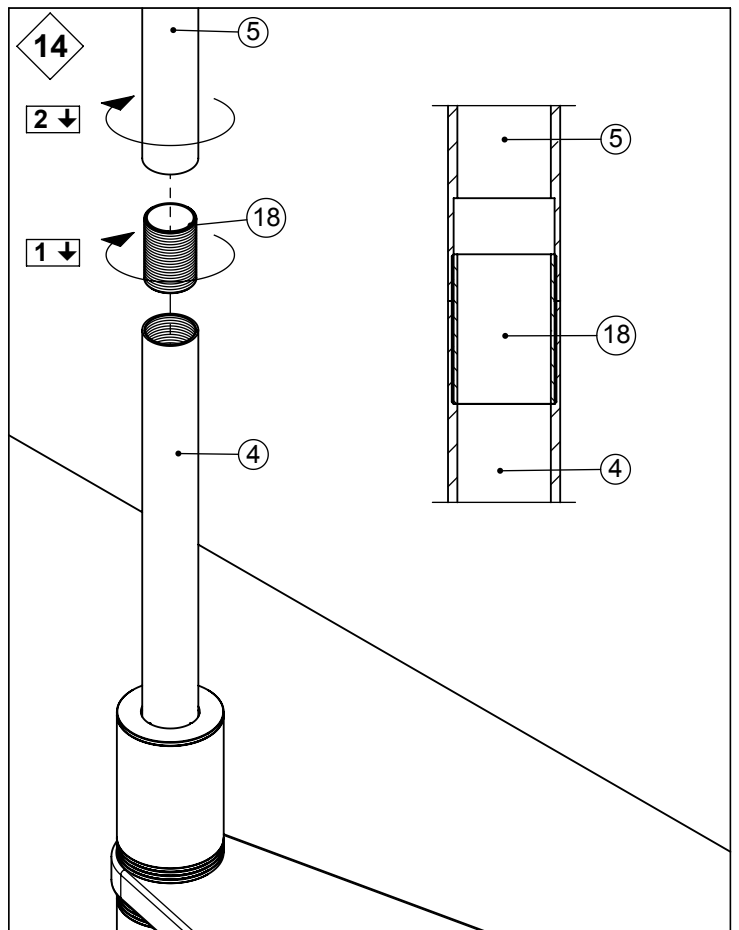
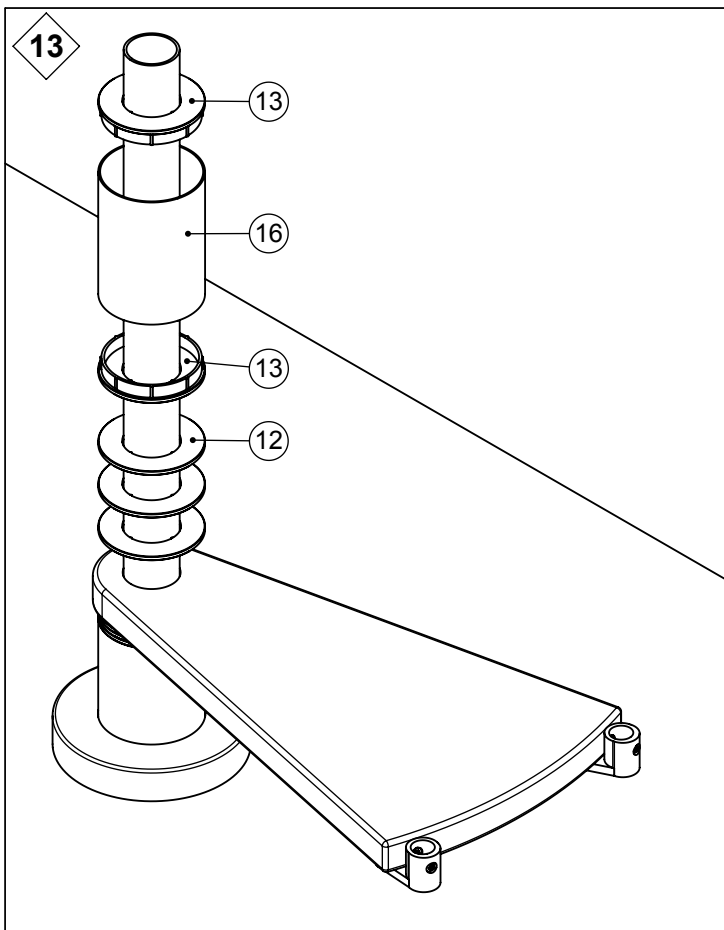


7

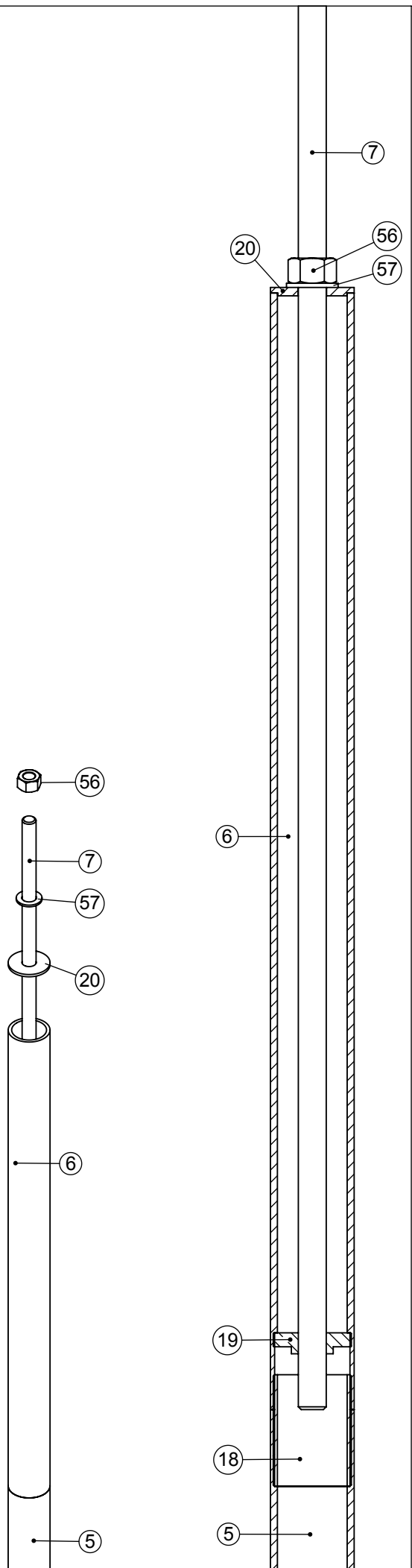


Assembling stair case Montaje de la escalera

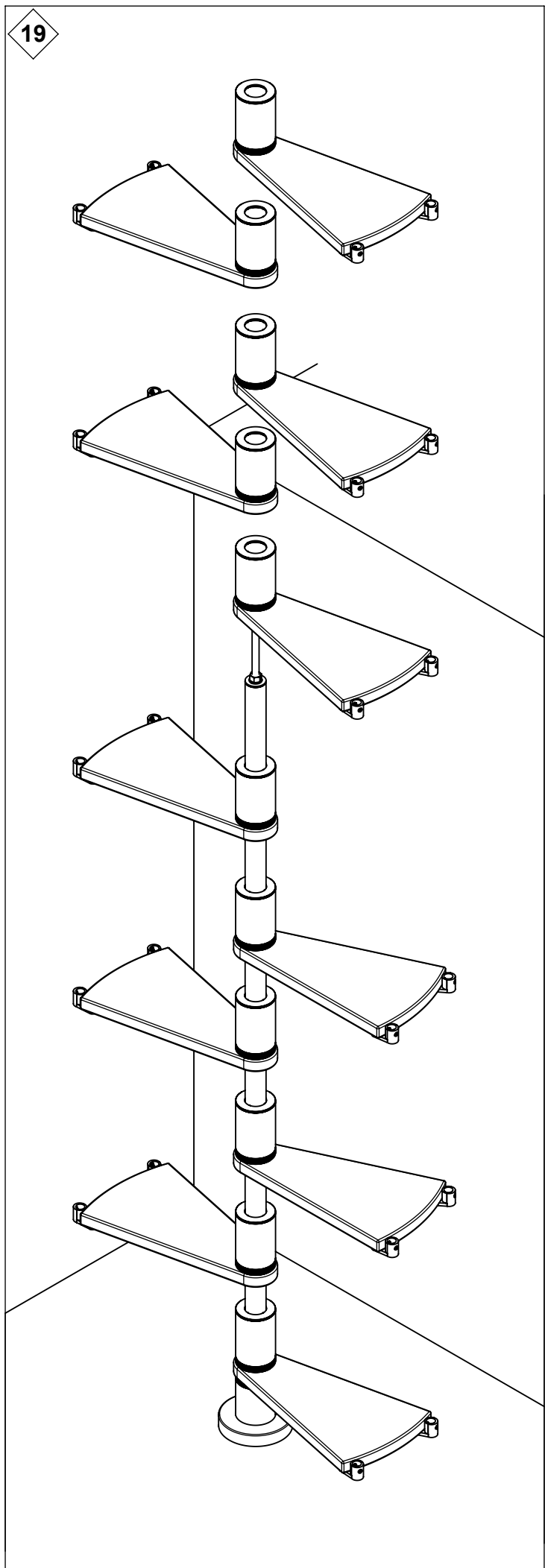


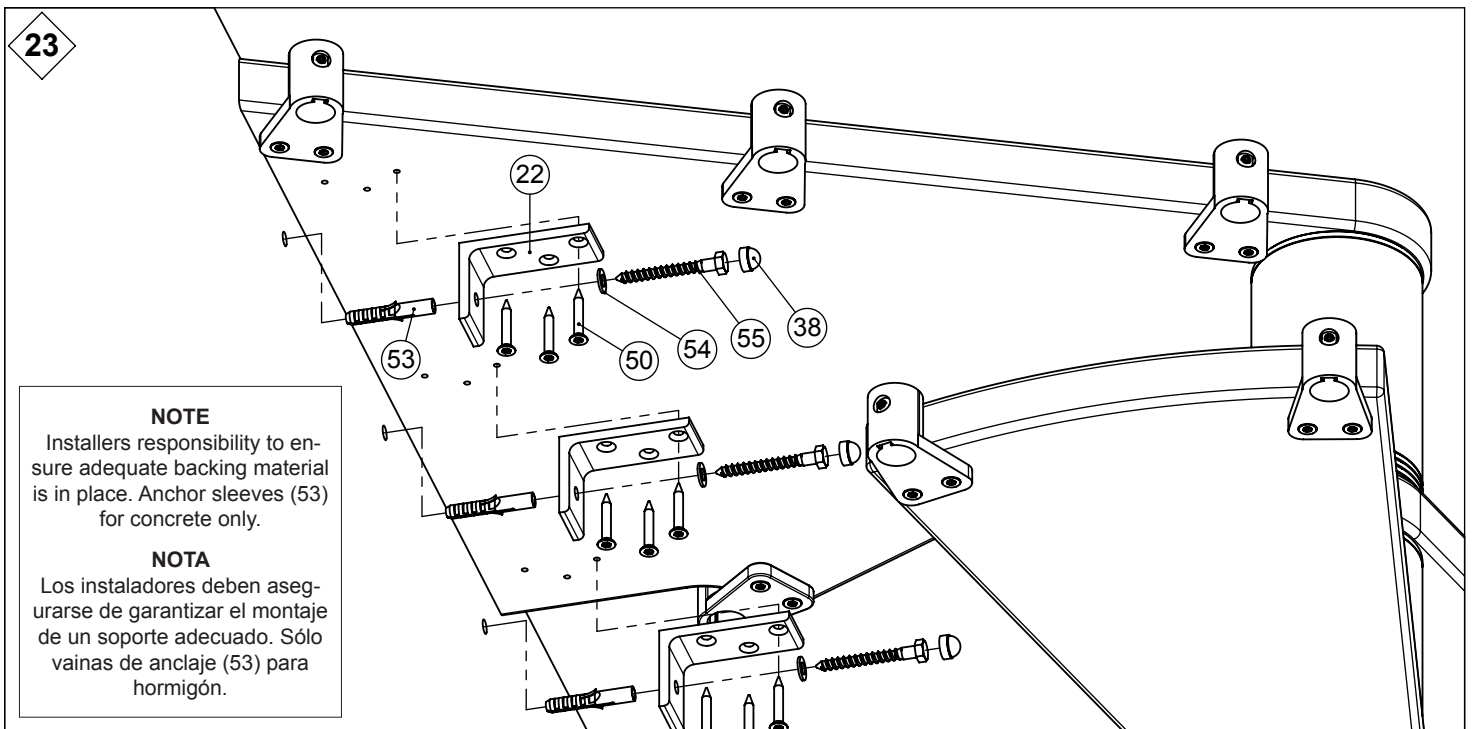
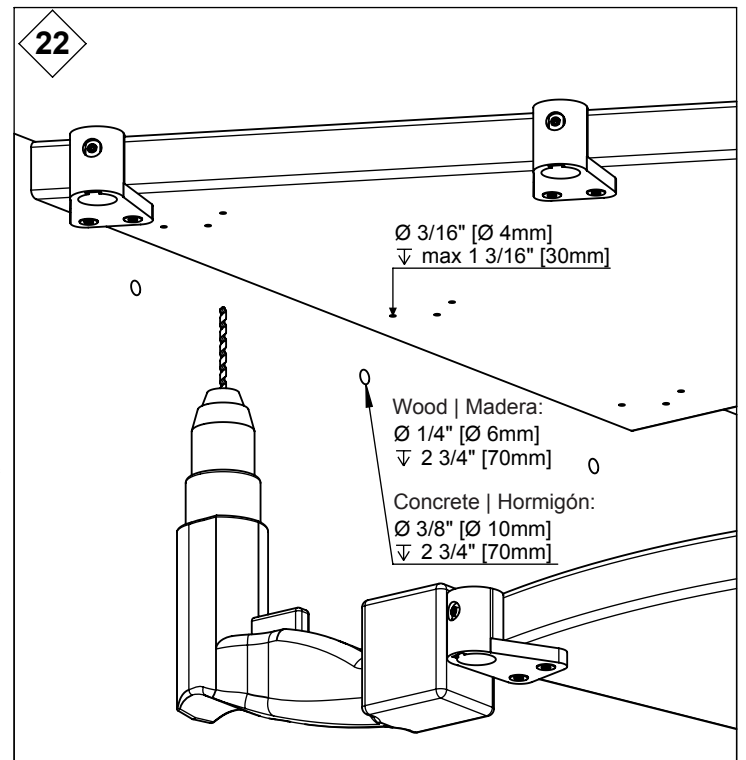
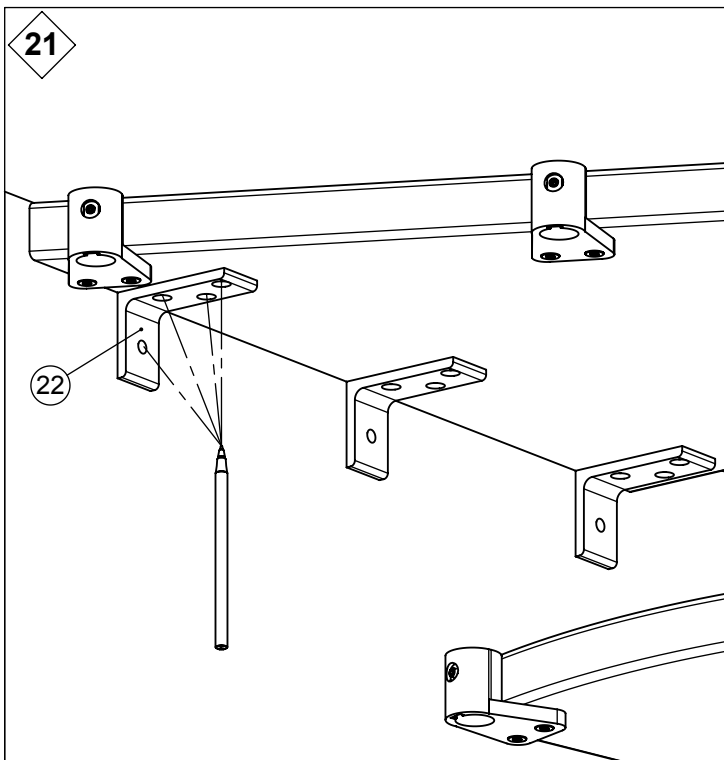
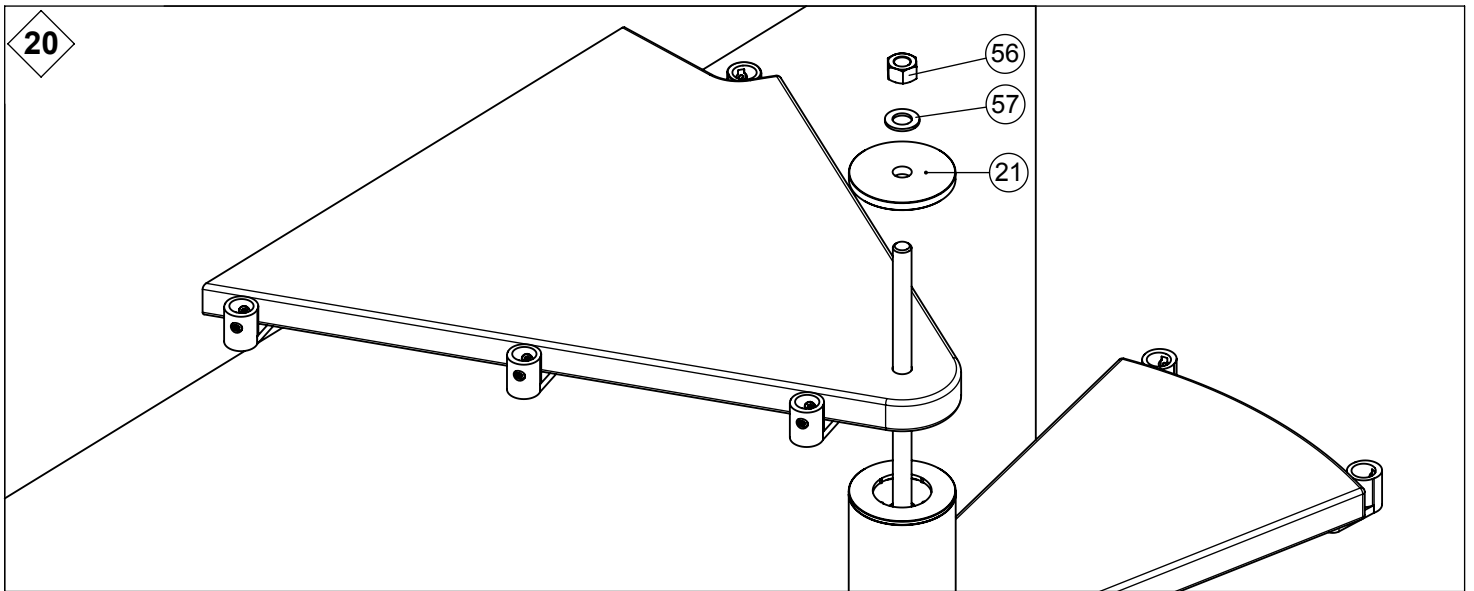


18



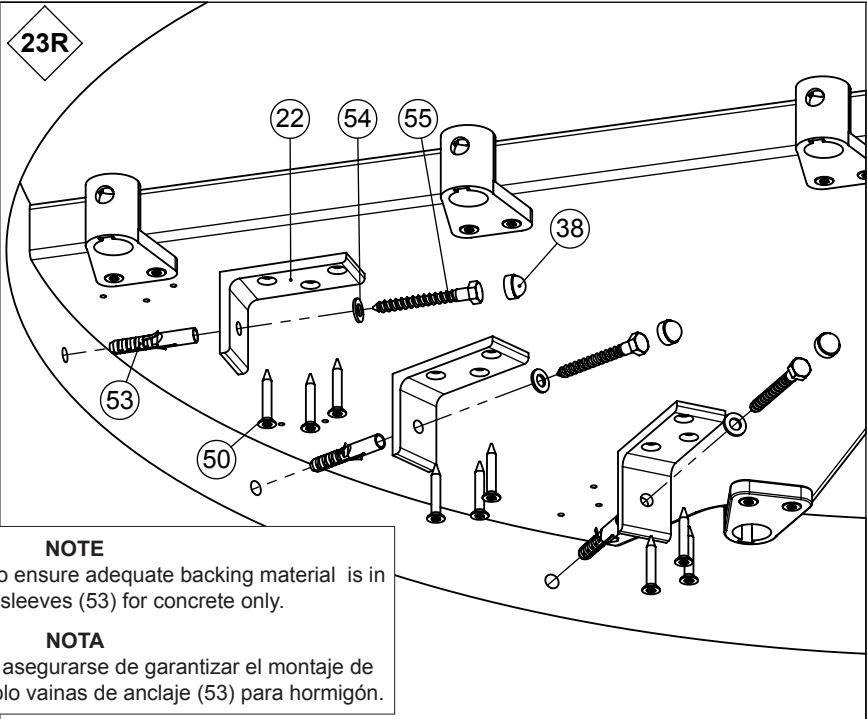
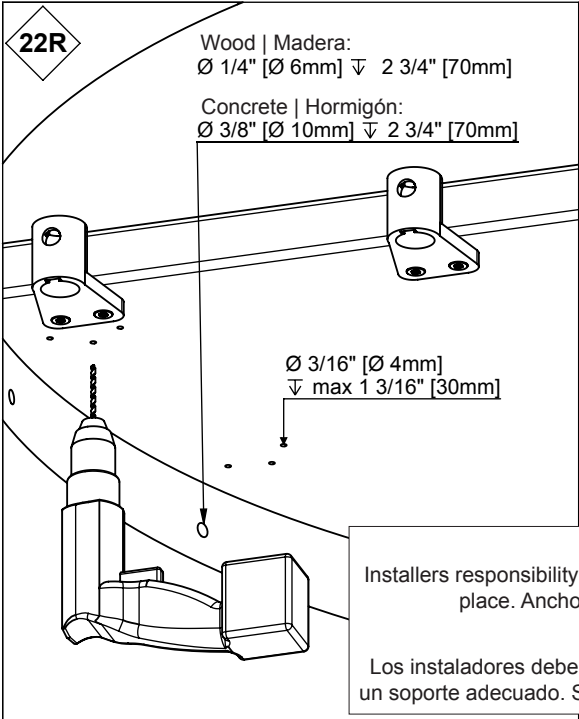
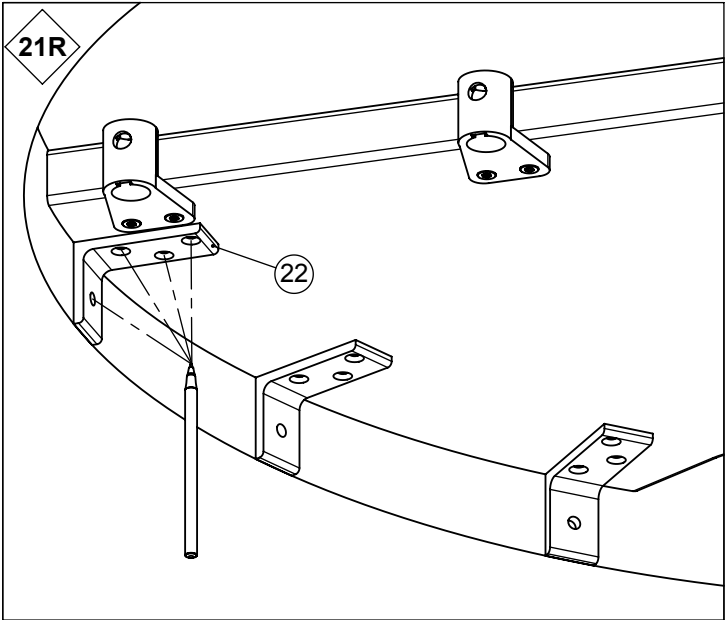
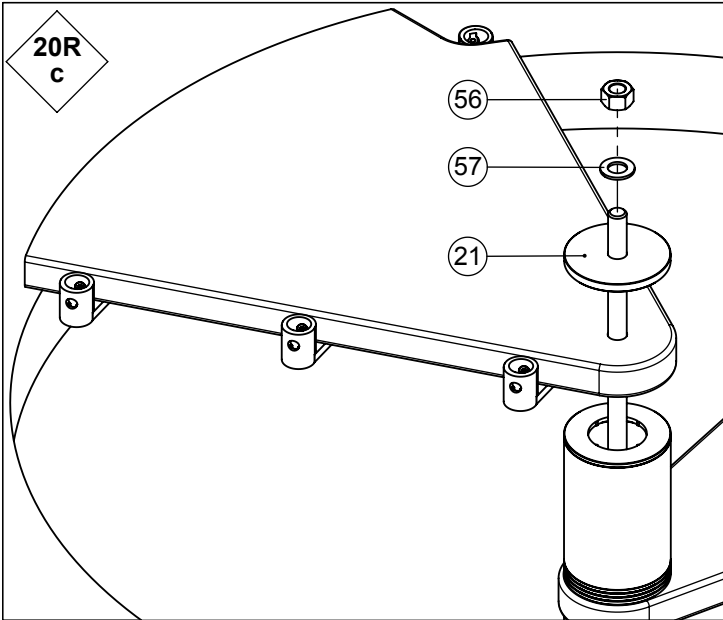
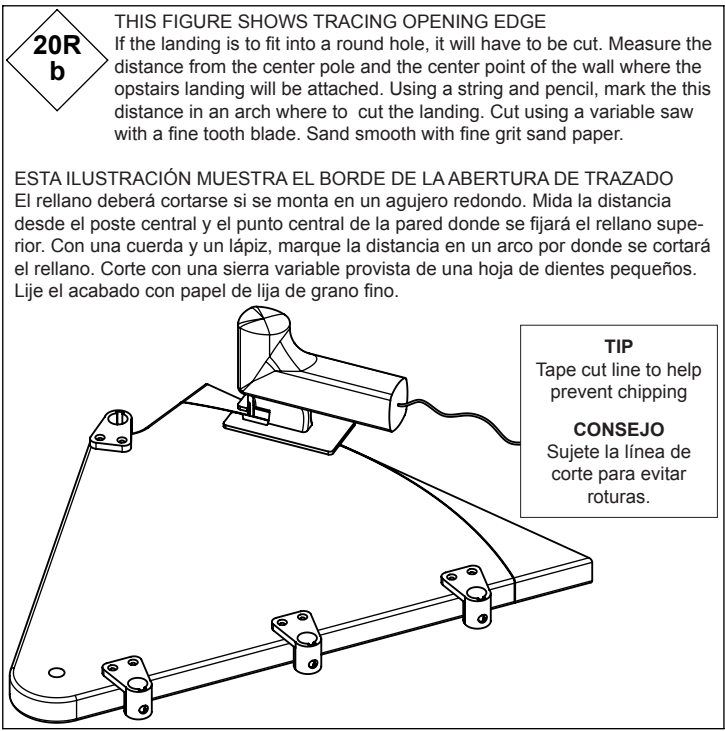
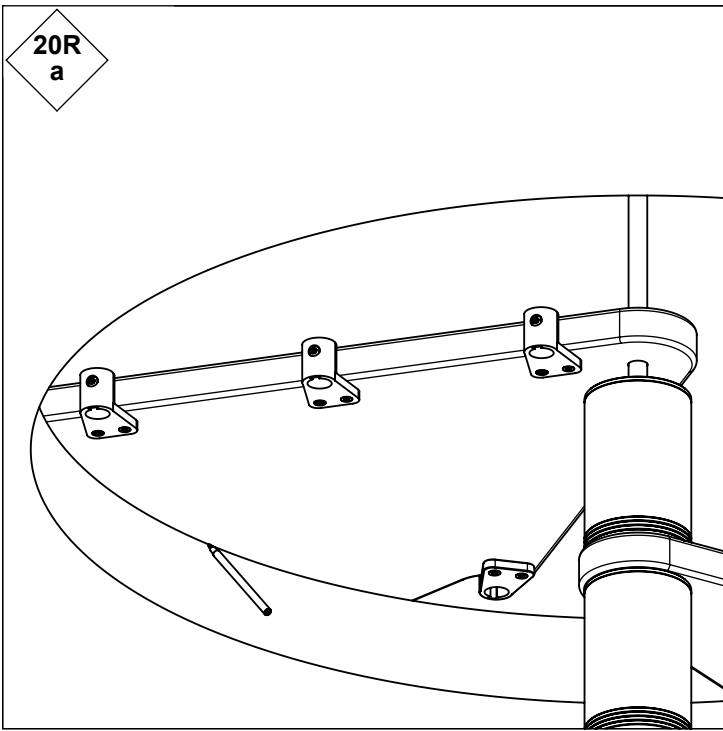
19





NOTE
 Installers responsibility to ensure adequate backing material is in place. Anchor sleeves (53) for concrete only.

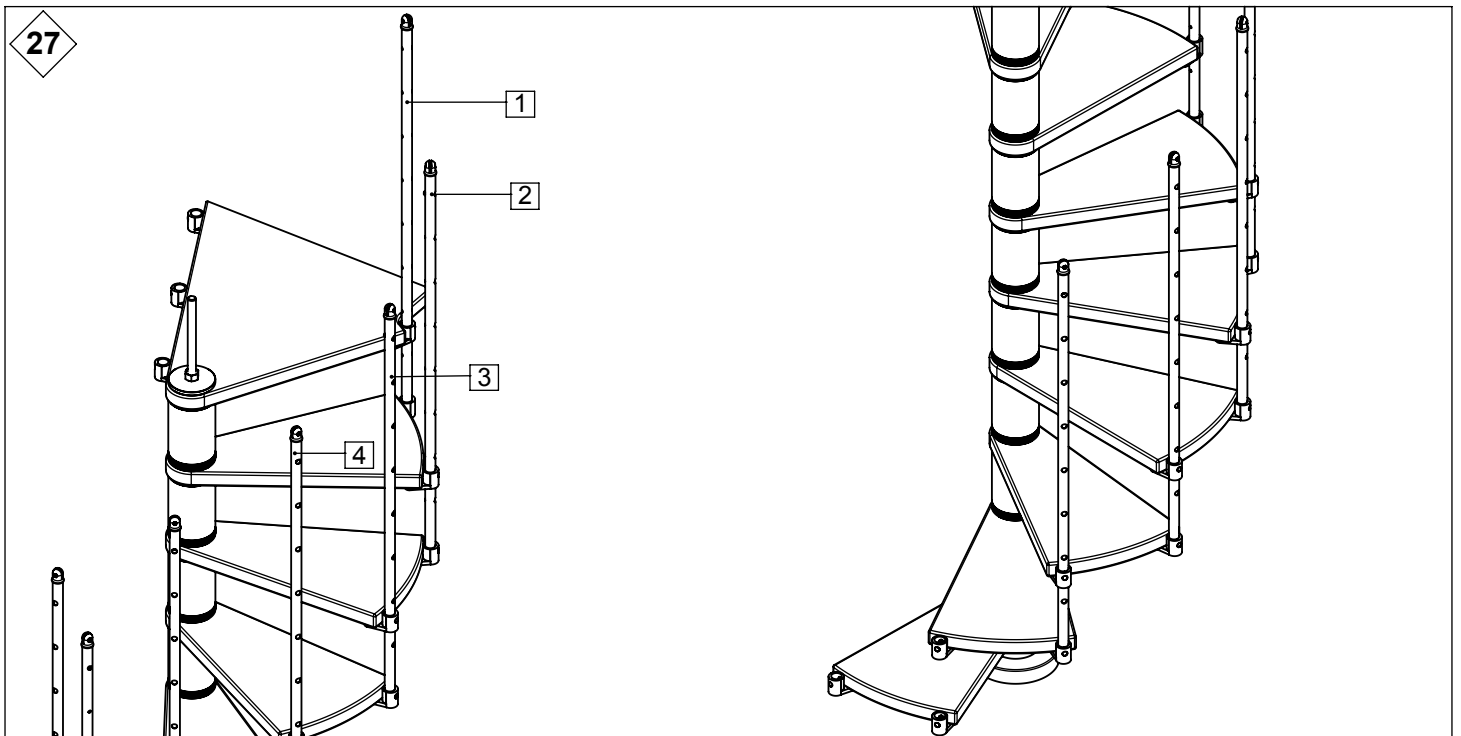
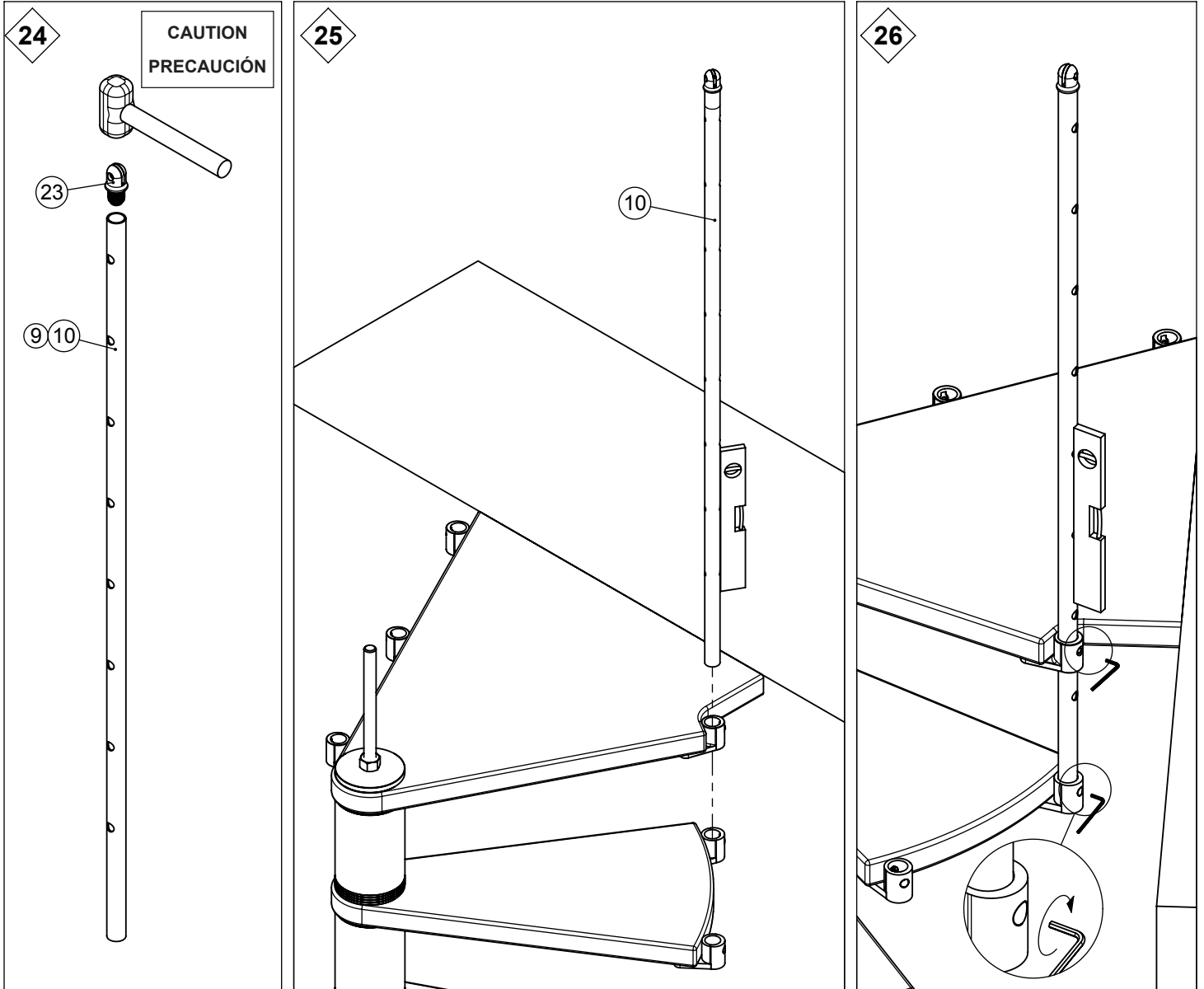
NOTA
 Los instaladores deben asegurarse de garantizar el montaje de un soporte adecuado. Sólo vainas de anclaje (53) para hormigón.

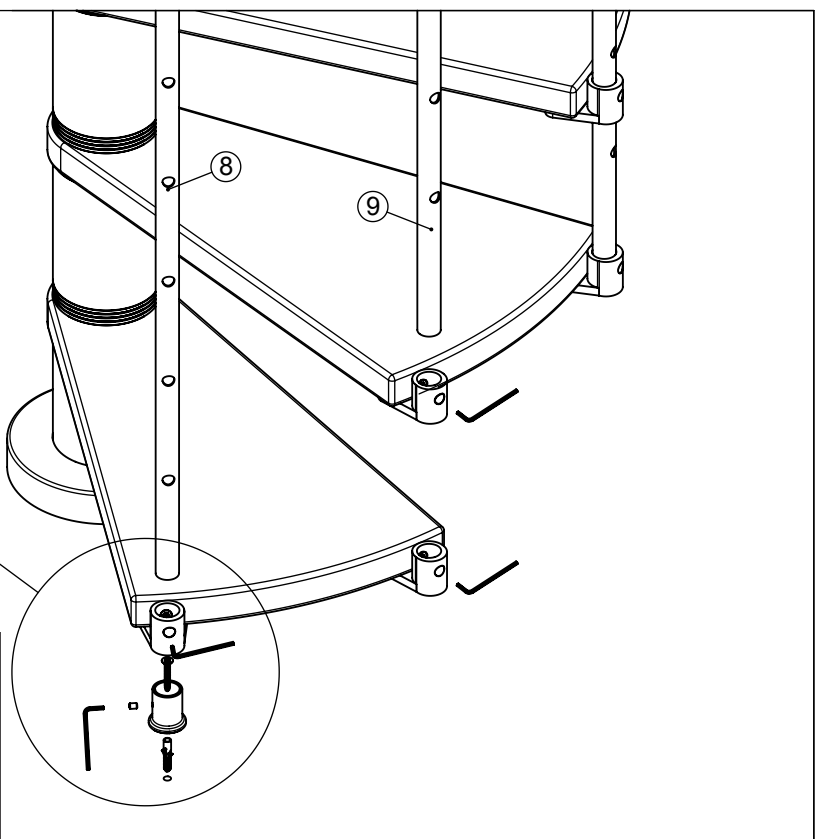
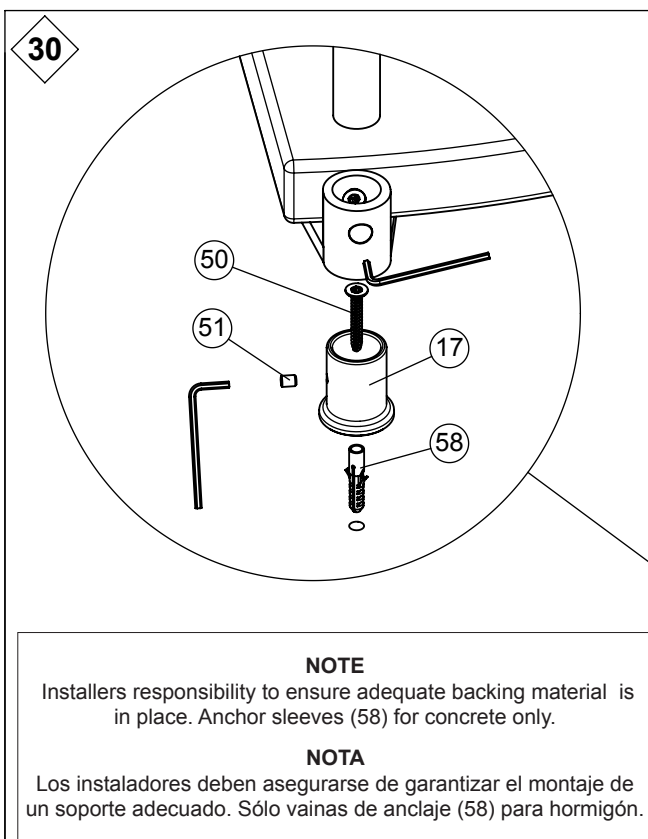
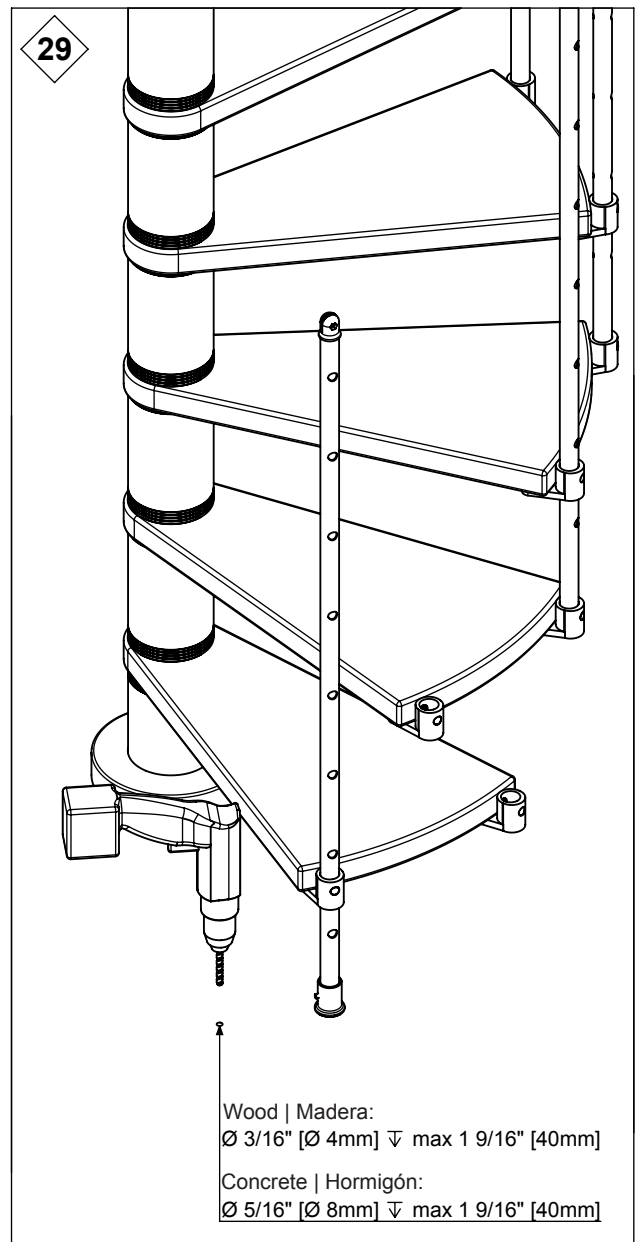
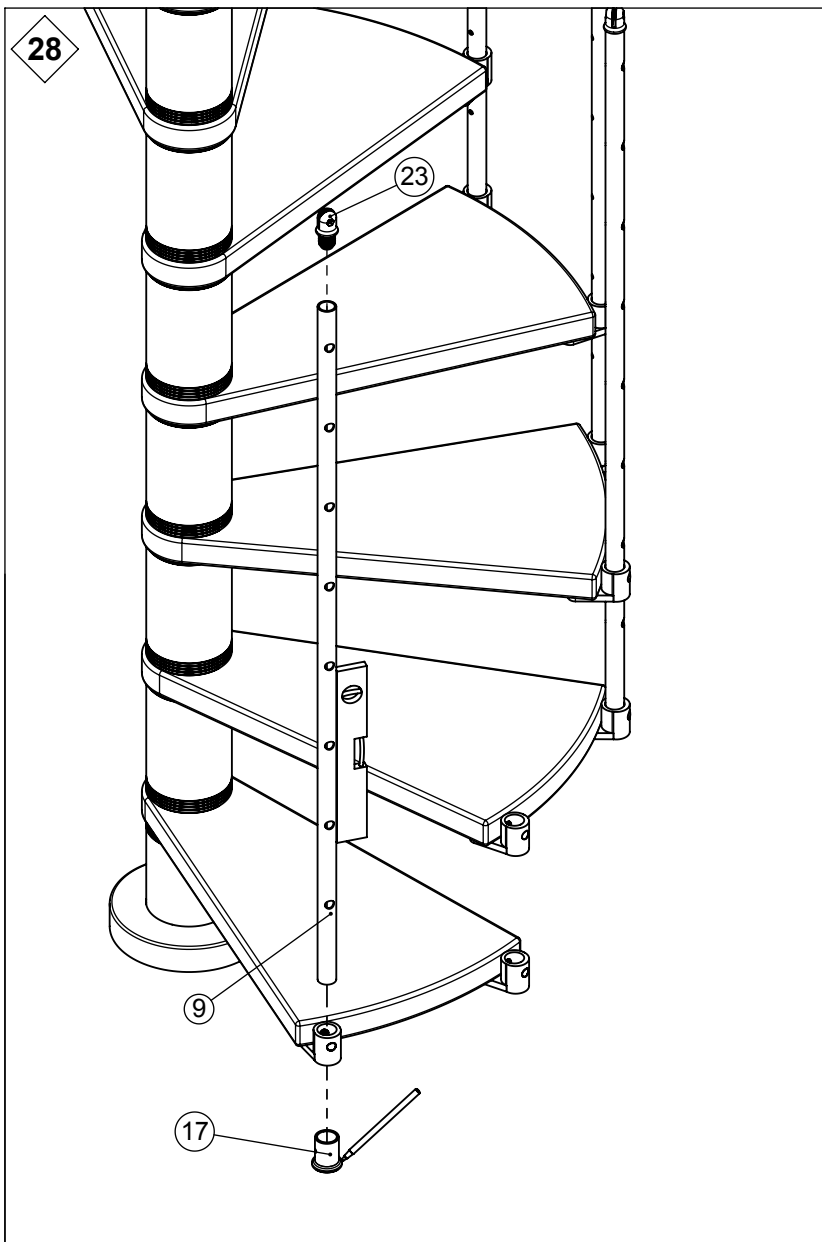


NOTE
Installers responsibility to ensure adequate backing material is in place. Anchor sleeves (53) for concrete only.

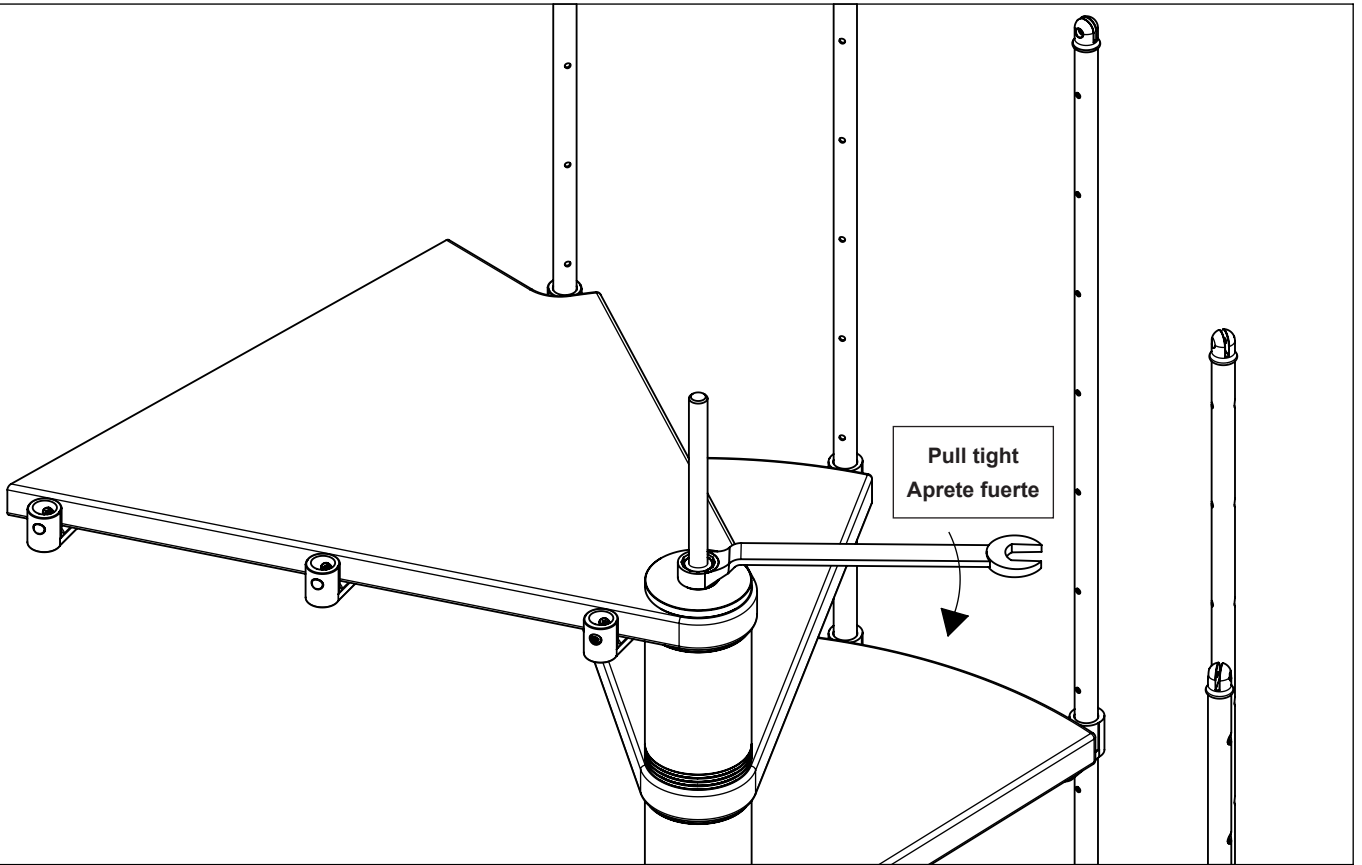
NOTA
Los instaladores deben asegurarse de garantizar el montaje de un soporte adecuado. Sólo vainas de anclaje (53) para hormigón.

Assembling balusters to stair case Montaje de los balaustres en la escalera

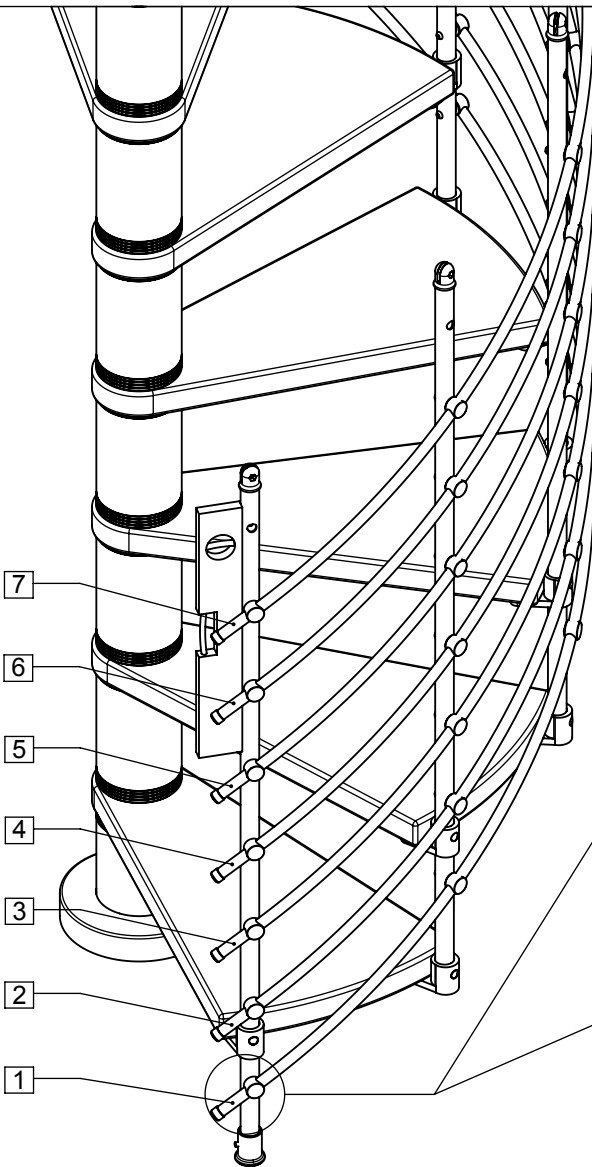




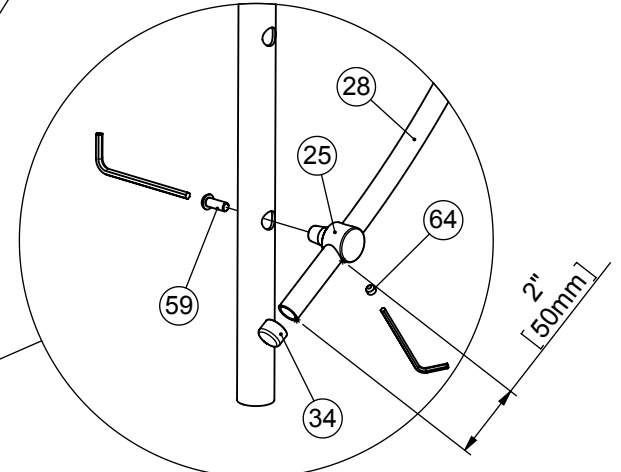
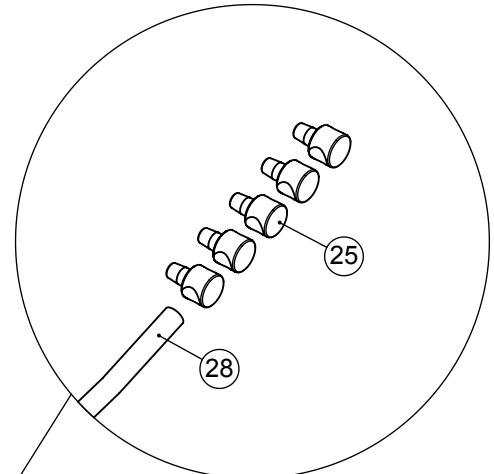
31



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Slide fill fixtures (25) with set screw facing down
 Coloque las fijaciones de los componentes (25) con el tornillo de ajuste orientado hacia abajo



Start at bottom and work to top of stairs
 Empiece por abajo e instale de abajo hacia arriba

Assembling railing and fill to balusters

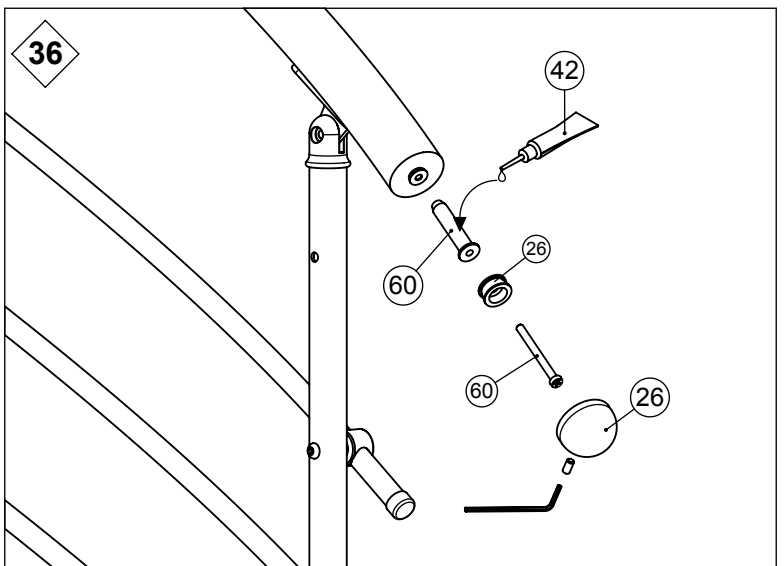
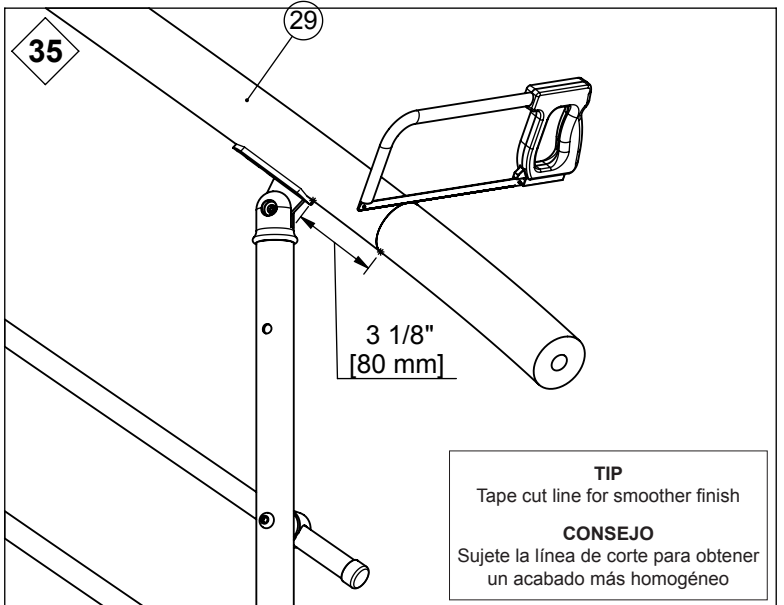
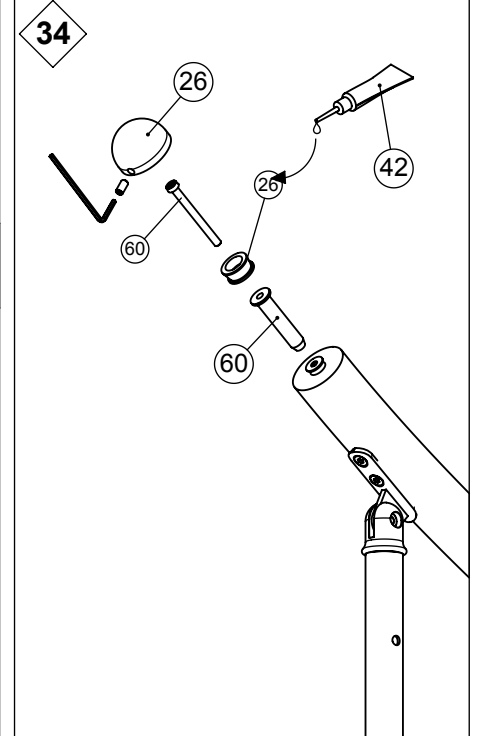
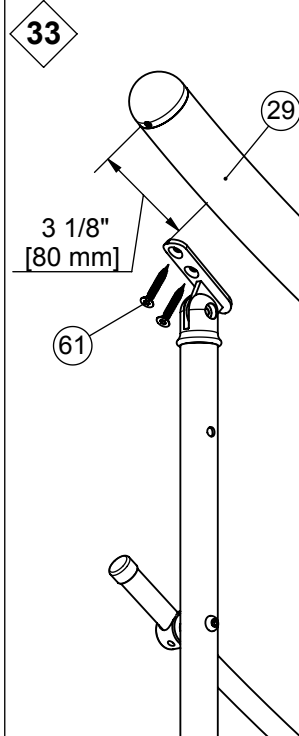
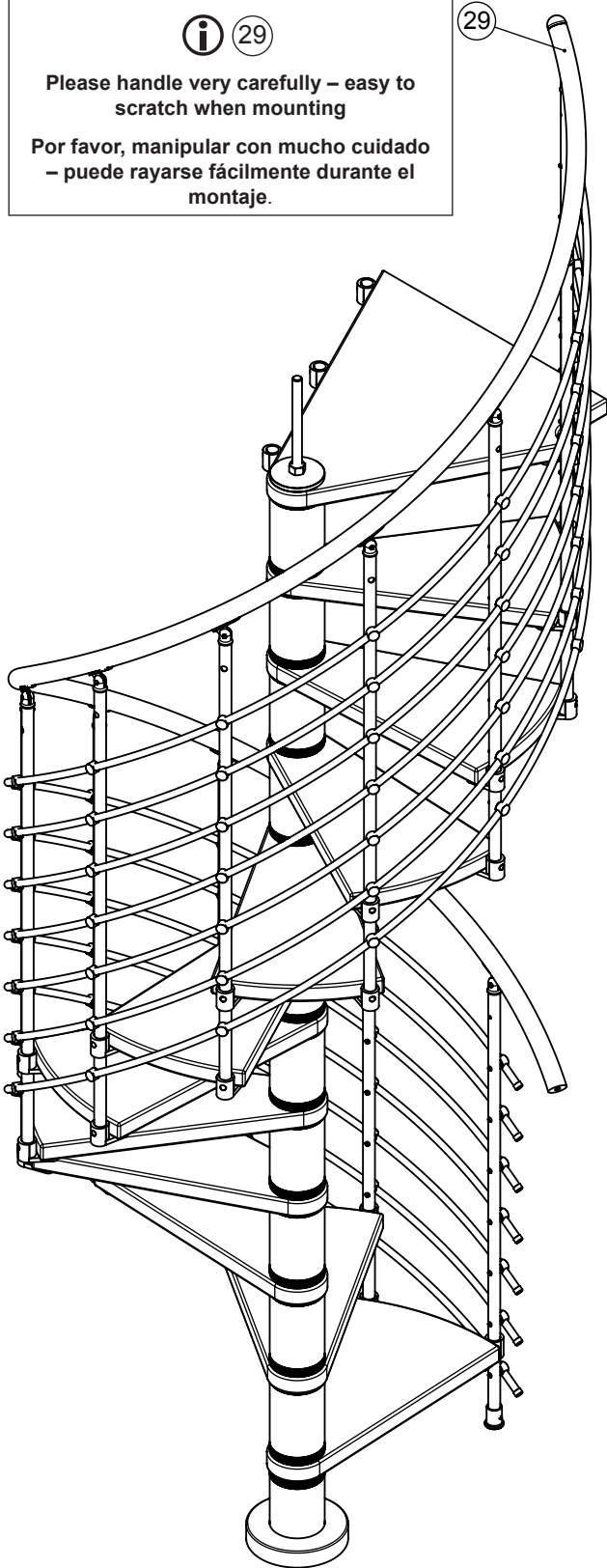
Montaje del pasamanos y componentes en los balaustres

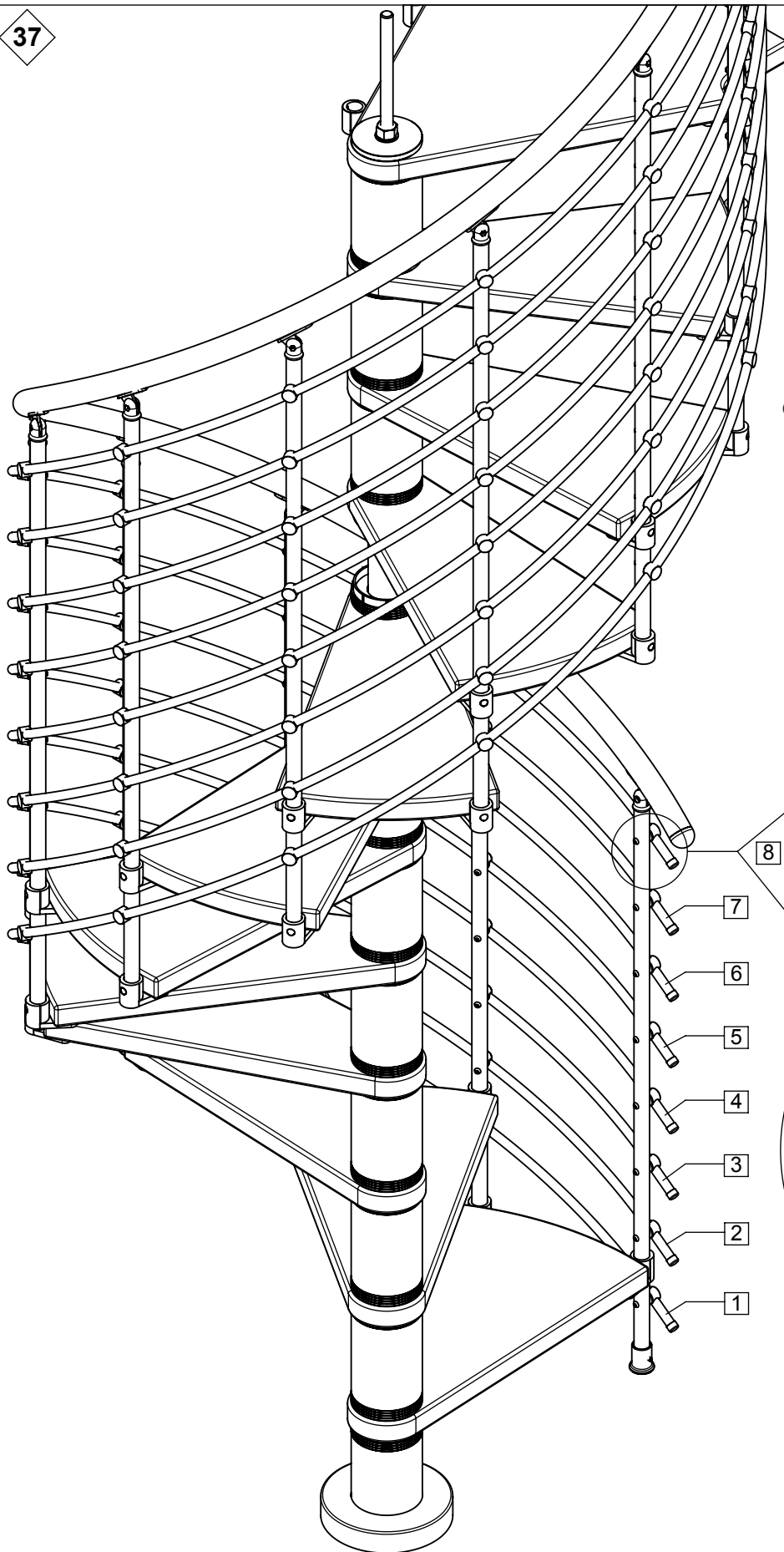
33 - 36



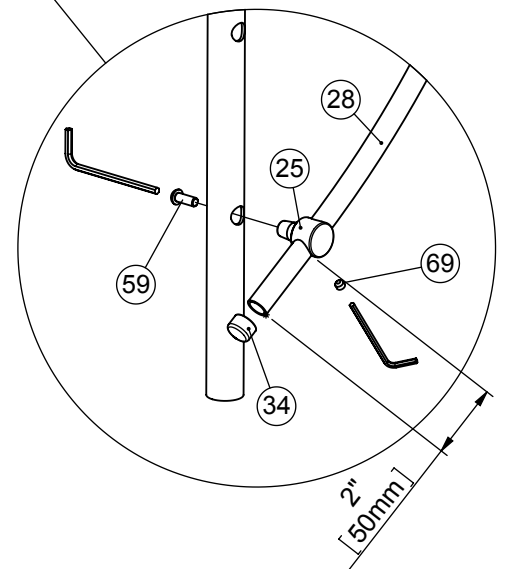
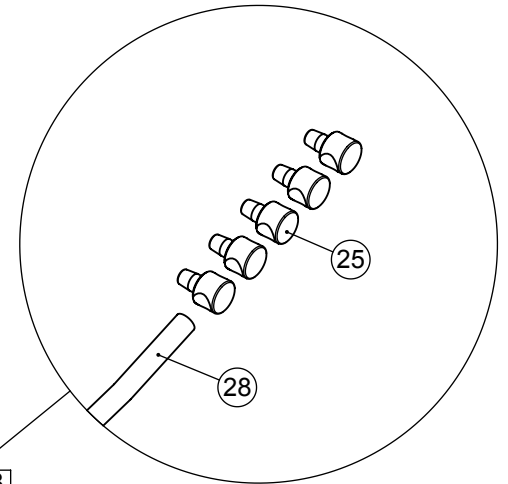
Please handle very carefully – easy to scratch when mounting

Por favor, manipular con mucho cuidado – puede rayarse fácilmente durante el montaje.





Slide fill fixtures (25) with set screw facing down.
 Coloque las fijaciones de los componentes (25) con
 el tornillo de ajuste orientado hacia abajo



Start at bottom and work to top of stairs
 Empiece por abajo e instale de abajo hacia arriba

Assembling landing balusters, railing and fill

Montaje de los balaustres del rellano, pasamanos y componentes

