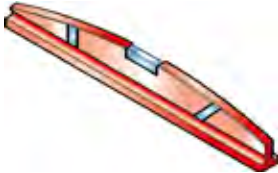




L'ECHELLE
EUROPEENNE



MASSALIA 030



2,5 mm ($\frac{3}{32}$ ")
3 mm ($\frac{1}{8}$ ")
5 mm ($\frac{13}{64}$ ")
12 mm ($\frac{15}{32}$ ")



PH 2



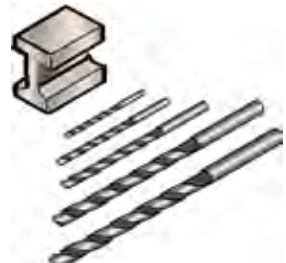
Ø 8 x 120 mm
(D $\frac{5}{16}$ " x 4- $\frac{23}{32}$ ")
Ø 12 x 120 mm
(D $\frac{15}{32}$ " x 4- $\frac{23}{32}$ ")
Ø 14 x 150 mm
(D $\frac{35}{64}$ " x 5- $\frac{29}{32}$ ")



13 mm ($\frac{33}{64}$ ")
17 mm ($\frac{43}{64}$ ")
19 mm ($\frac{3}{4}$ ")
30 mm ($1-\frac{3}{16}$ ")

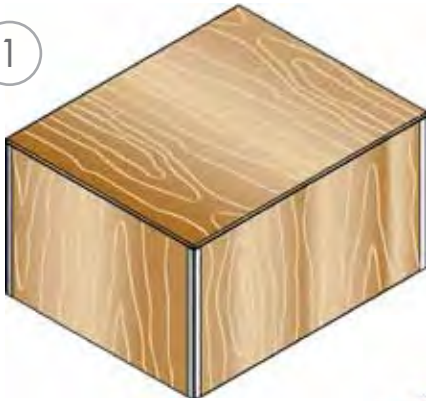


12 mm ($\frac{15}{32}$ ")
13 mm ($\frac{33}{64}$ ")

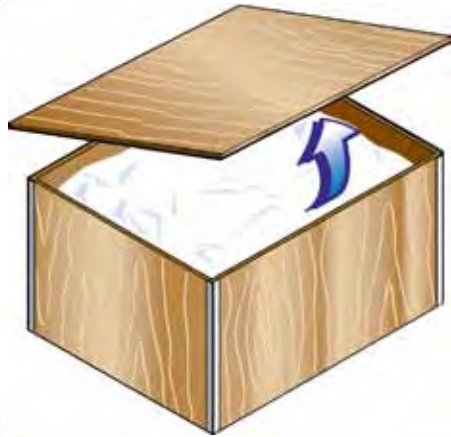


Ø 2,5 mm (D $\frac{3}{32}$ ")
Ø 3,5 mm (D $\frac{9}{64}$ ")
Ø 4,5 mm (D $\frac{11}{64}$ ")
Ø 9 mm (D $\frac{23}{64}$ ")
Ø 12 mm (D $\frac{15}{32}$ ")

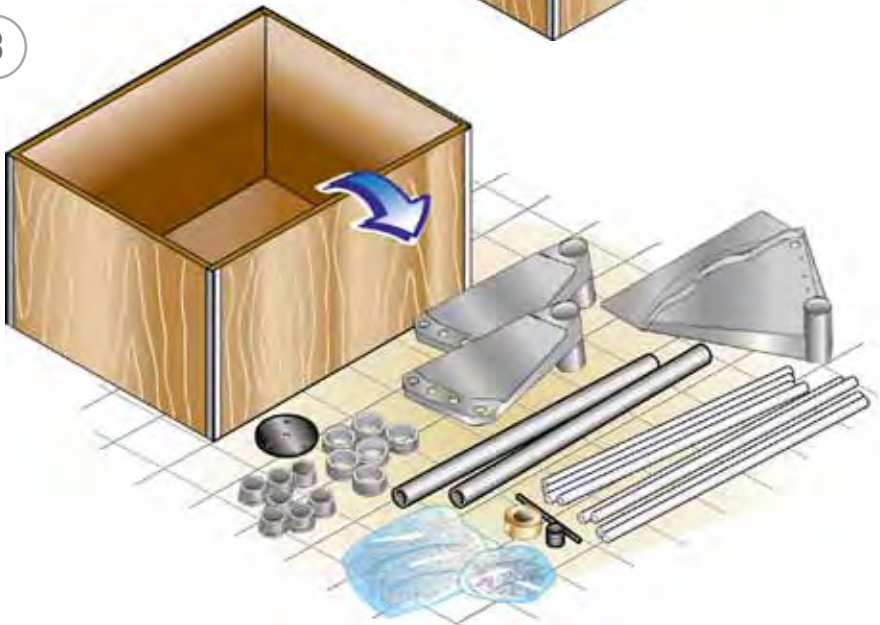
1



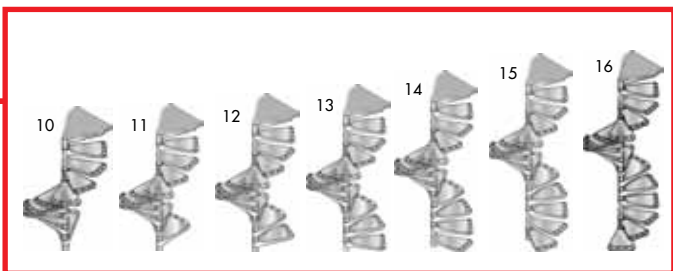
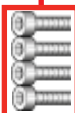
2



3



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 2 | 2 | 4 | 5 | 6 |



| | | |
|---|---|---|
| <p>Ø 120 cm (D 47-¹/₄")</p> <p>"A"</p> | <p>Ø 140 cm (D 55-¹/₈")</p> <p>"B"</p> | <p>Ø 160 cm (D 63")</p> <p>"C"</p> |
|---|---|---|

A22

Ø 45 x 1200 mm
(D 1-⁴⁹/₆₄" x 47-¹/₄")

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 5 | 5 | 6 | 6 | 6 |

A23

Ø 45 x 1200 mm
(D 1-⁴⁹/₆₄" x 47-¹/₄")

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

A36

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

A37

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 |

B02

| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 41 | 44 | 47 | 50 | 53 | 56 | 59 |
| B | 51 | 55 | 59 | 63 | 67 | 71 | 75 |
| C | 52 | 56 | 60 | 64 | 68 | 72 | 76 |

B03

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B05



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B12



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

B13



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 |

B17



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B23



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| C | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B27



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| C | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B33



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 4 | 4 | 5 | 5 | 5 |

B46



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B47



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 2 | 2 | 2 |

B74



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B76



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B82



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| B | 28 | 31 | 34 | 37 | 40 | 43 | 46 |
| C | 28 | 31 | 34 | 37 | 40 | 43 | 46 |

B89



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| C | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

BA2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BA6



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

BA9



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BB1



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

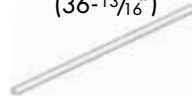
BB2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

C03

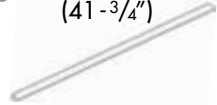
H = 935 mm
(36-13/16")



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 8 | 8 | 8 | 8 | 8 | 8 |
| C | 9 | 9 | 9 | 9 | 9 | 9 |

C03

H = 1060 mm
(41-3/4")



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 1 | 1 | 1 | 1 | 1 | 1 |
| B | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 10 | 11 | 12 | 13 | 14 | 15 |

C03

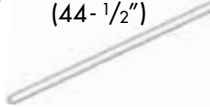
H = 1095 mm
(43-1/8")



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 9 | 10 | 11 | 12 | 12 | 13 |
| B | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 |

C03

H = 1130 mm
(44-1/2")



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 9 | 10 | 11 | 12 | 13 | 14 |
| C | 9 | 10 | 11 | 12 | 13 | 15 |

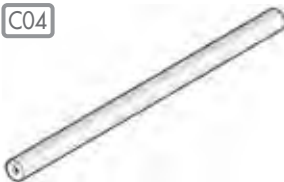
C03

H = 1190 mm
(46-7/8")



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

C04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

C13



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 29 | 32 | 35 | 38 | 41 | 44 |
| B | 38 | 42 | 46 | 50 | 54 | 58 |
| C | 38 | 42 | 46 | 50 | 54 | 62 |

C49



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 |

C50



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 |

C58



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 |

C63



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 27 | 29 | 31 | 33 | 35 | 37 |
| B | 37 | 40 | 43 | 46 | 49 | 52 |
| C | 38 | 41 | 44 | 47 | 50 | 56 |

C64



| | | | | | | | |
|---|----|----|----|-----|-----|-----|-----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 60 | 64 | 68 | 72 | 76 | 80 | 84 |
| B | 80 | 86 | 92 | 98 | 104 | 110 | 116 |
| C | 82 | 88 | 94 | 100 | 106 | 112 | 118 |

C65



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 27 | 29 | 31 | 33 | 35 | 37 | 39 |
| B | 37 | 40 | 43 | 46 | 49 | 52 | 55 |
| C | 38 | 41 | 44 | 47 | 50 | 53 | 56 |

C66



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 27 | 29 | 31 | 33 | 35 | 37 | 39 |
| B | 37 | 40 | 43 | 46 | 49 | 52 | 55 |
| C | 38 | 41 | 44 | 47 | 50 | 53 | 56 |

C84



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

C85



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

D01



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 3 | 3 | 4 | 3 | 3 | 3 | 3 |

D02



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

D03



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 50 | 55 | 60 | 65 | 70 | 75 | 80 |

D04



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

D05



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

D12



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

D14



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

D32



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 29 | 32 | 35 | 38 | 41 | 44 | 47 |
| B | 38 | 42 | 46 | 50 | 54 | 58 | 62 |
| C | 38 | 42 | 46 | 50 | 54 | 58 | 62 |

D33



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 29 | 32 | 35 | 38 | 41 | 44 | 47 |
| B | 38 | 42 | 46 | 50 | 54 | 58 | 62 |
| C | 38 | 42 | 46 | 50 | 54 | 58 | 62 |

D72



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 3 | 3 | 4 | 4 | 5 | 5 | 5 |

E03



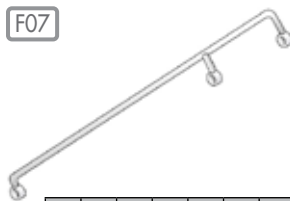
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F01



| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| B | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

F07



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F08



| | | | | | | | |
|----|----|----|----|----|----|----|---|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| B | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

F09



| | | | | | | | |
|----|----|----|----|----|----|----|---|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

G01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

G02



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 |

G03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H01



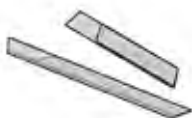
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

H03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

L02



| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

L02



| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

B96



C36



X01



IT) ATTENZIONE!**Leggere e seguire scrupolosamente queste istruzioni e tenere per future consultazioni.**

Eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR) ATTENTION !**Lire et respecter scrupuleusement les présentes instructions ; les conserver pour toute autre consultation.**

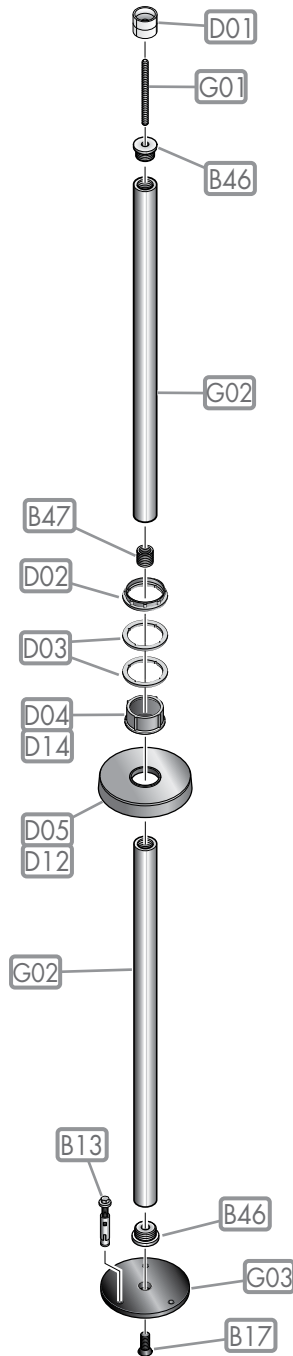
Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

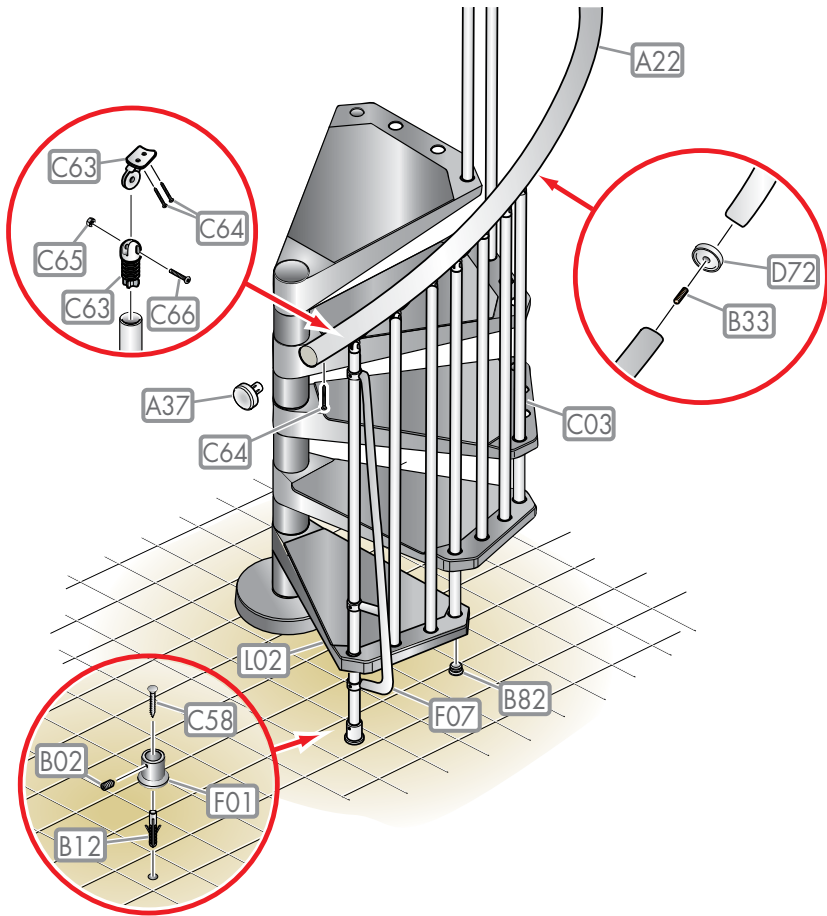
EN) WARNING!**Carefully read and strictly follow these instruction and keep them for future consultation.**

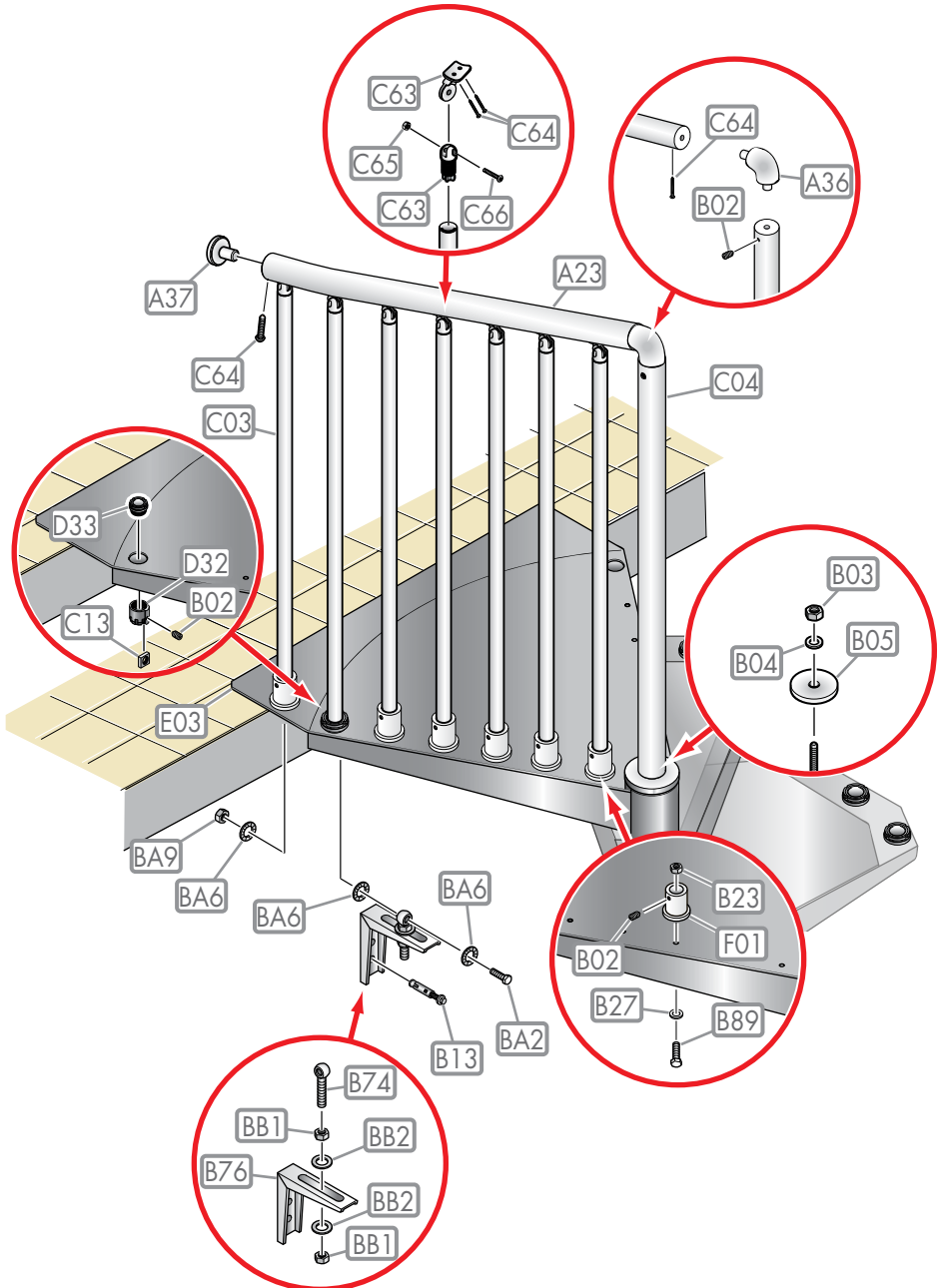
Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public...).

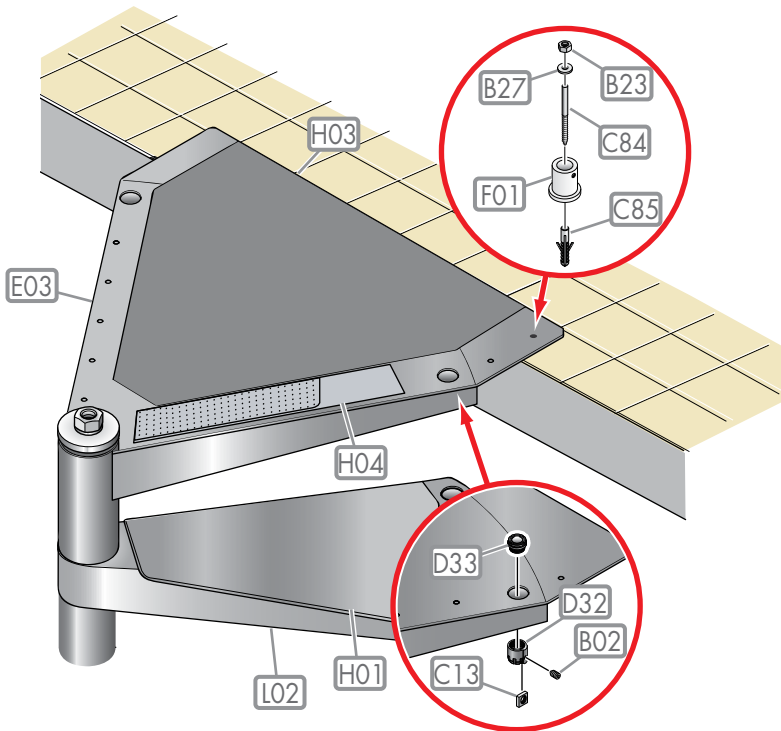
ES) ¡ATENCIÓN!**Leer y seguir estrictamente estas instrucciones y conservarlas para consultas futuras.**

Realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).









IT)



**IMPORTANTE!
LEGGERE E SEGUIRE SCRUPolosAMENTE QUESTE ISTRUZIONI
E TENERE PER FUTURE CONSULTAZIONI**

ATTENZIONE: eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR)



**IMPORTANT !
LIRE ET RESPECTER SCRUPULEUSEMENT LES PRÉSENTES
INSTRUCTIONS ; LES CONSERVER POUR TOUTE AUTRE
CONSULTATION**

ATTENTION : Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

EN)



**IMPORTANT!
CAREFULLY READ AND STRICTLY FOLLOW THESE INSTRUCTIONS
AND KEEP THEM FOR FUTURE CONSULTATION**

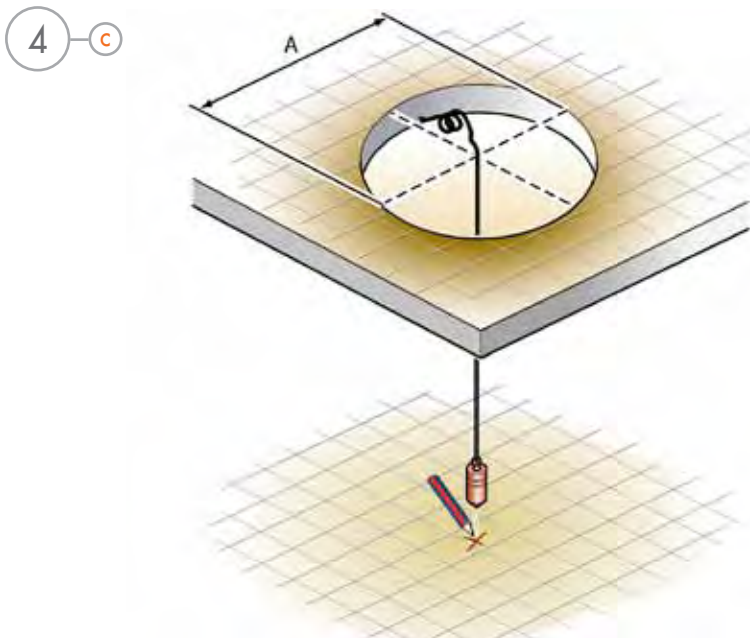
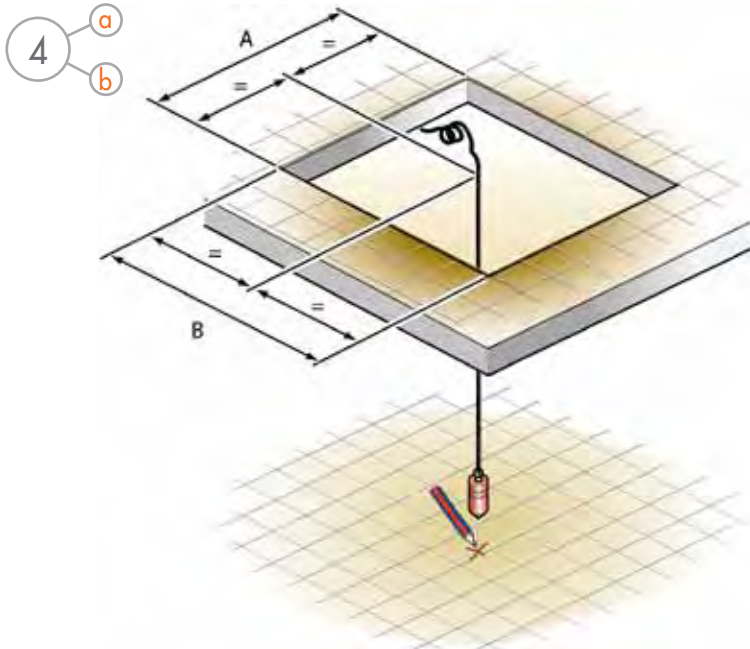
WARNING: Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public,...)

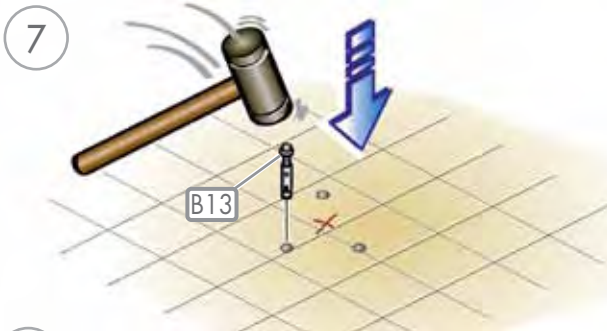
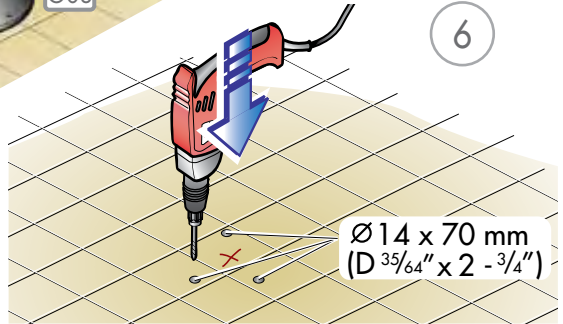
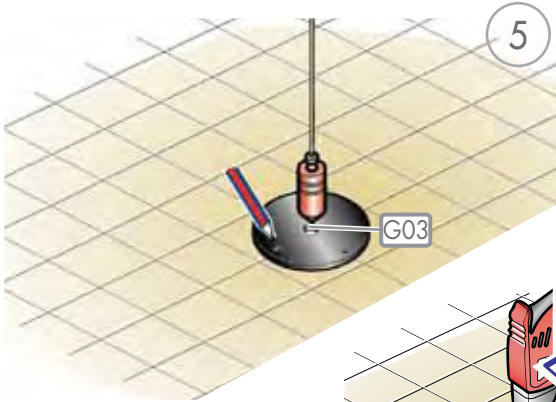
ES)



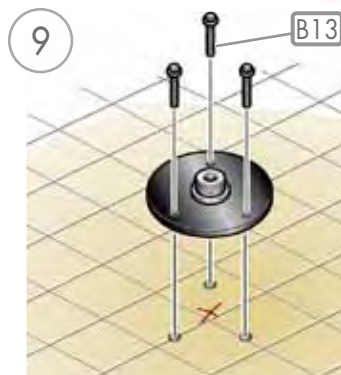
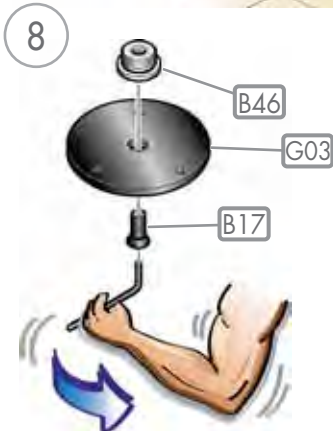
**¡IMPORTANTE!
LEER Y SEGUIR EstrictAMENTE ESTAS INSTRUCCIONES Y
CONSERVARLAS PARA CONSULTAS FUTURAS**

ATENCIÓN: realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).





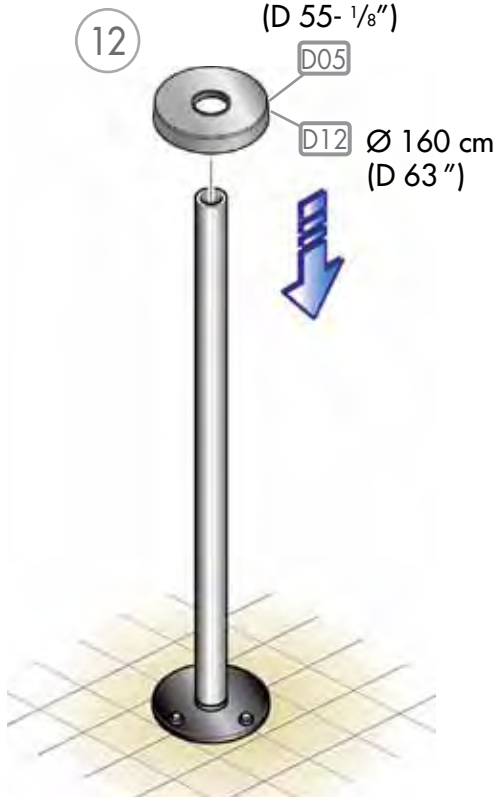
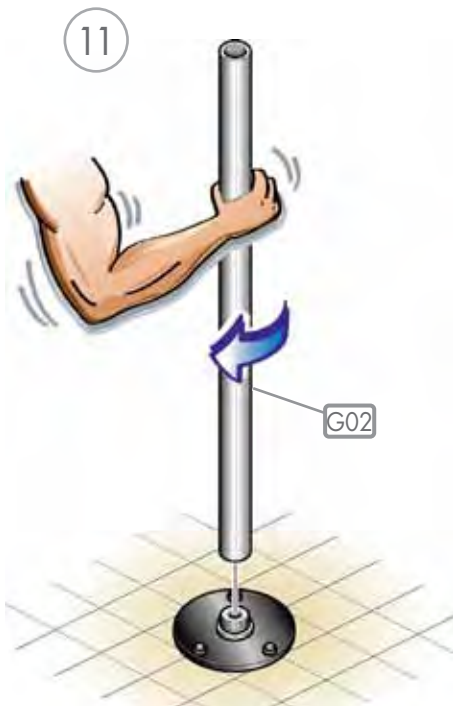
86



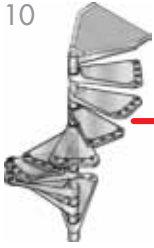


Ø 120 cm
(D 47- 1/4")

Ø 140 cm
(D 55- 1/8")



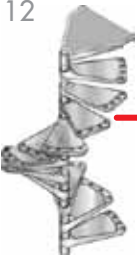
10



11



12



13



14

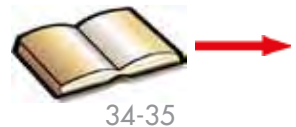
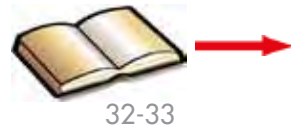
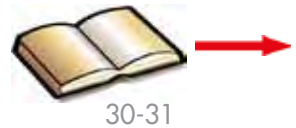
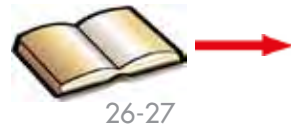
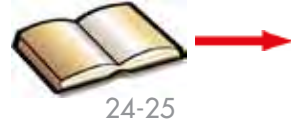
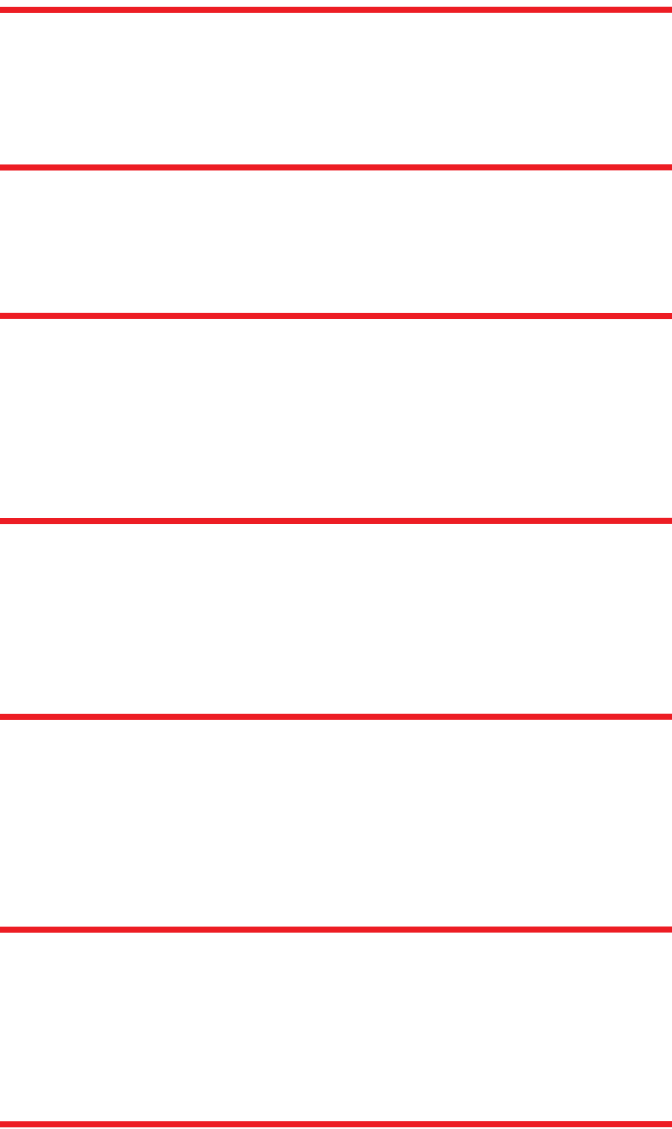


15

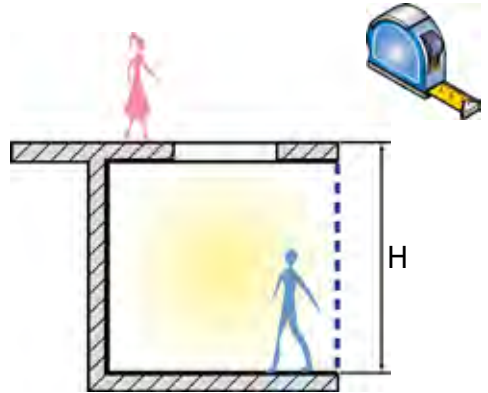


16



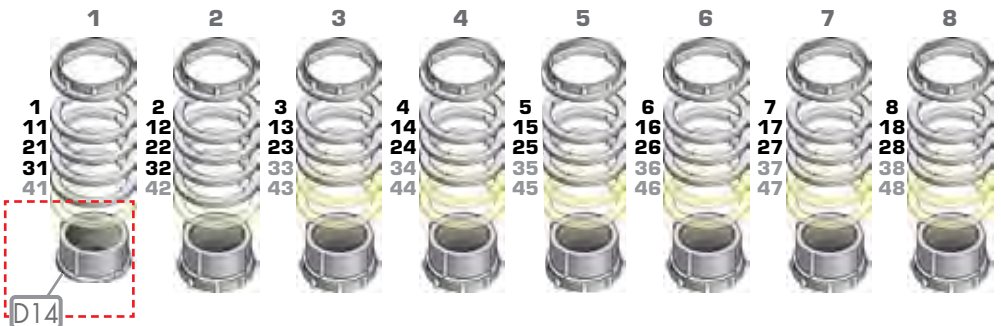


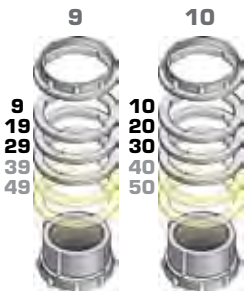
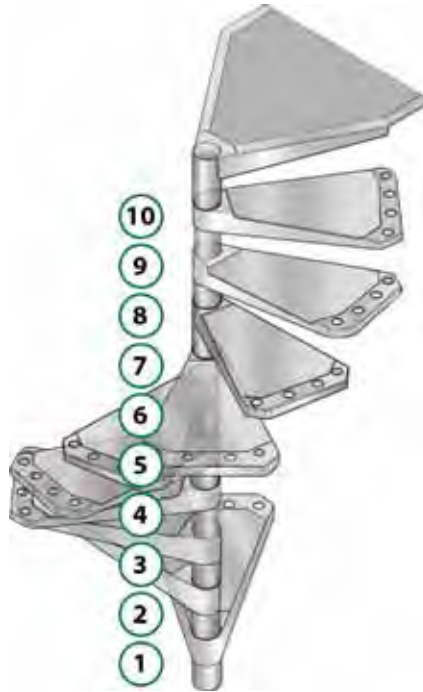
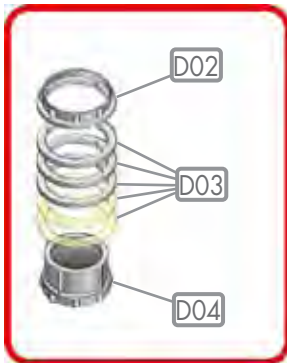
| H cm | H inch | D02 | D03 | D04 | D14 |
|------|-----------|-----|-----|-----|-----|
| 211 | 83 1/16" | 10 | 0 | 9 | 1 |
| 212 | 83 7/16" | 10 | 2 | 9 | 1 |
| 213 | 83 7/8" | 10 | 4 | 9 | 1 |
| 214 | 84 1/4" | 10 | 6 | 9 | 1 |
| 215 | 84 5/8" | 10 | 8 | 9 | 1 |
| 216 | 85 1/16" | 10 | 10 | 9 | 1 |
| 217 | 85 7/16" | 10 | 12 | 9 | 1 |
| 218 | 85 13/16" | 10 | 14 | 9 | 1 |
| 219 | 86 1/4" | 10 | 16 | 9 | 1 |
| 220 | 86 5/8" | 10 | 18 | 9 | 1 |
| 221 | 87" | 10 | 20 | 9 | 1 |
| 222 | 87 3/8" | 10 | 22 | 9 | 1 |
| 223 | 87 13/16" | 10 | 24 | 9 | 1 |
| 224 | 88 3/16" | 10 | 26 | 9 | 1 |
| 225 | 88 9/16" | 10 | 28 | 9 | 1 |
| 226 | 89" | 10 | 30 | 9 | 1 |
| 227 | 89 3/8" | 10 | 32 | 9 | 1 |
| 228 | 89 3/4" | 10 | 34 | 9 | 1 |
| 229 | 90 3/16" | 10 | 36 | 9 | 1 |
| 230 | 90 9/16" | 10 | 38 | 9 | 1 |
| 231 | 90 15/16" | 10 | 40 | 9 | 1 |
| 232 | 91 5/16" | 10 | 42 | 9 | 1 |
| 233 | 91 3/4" | 10 | 44 | 9 | 1 |
| 234 | 92 1/8" | 10 | 46 | 9 | 1 |
| 235 | 92 1/2" | 10 | 48 | 9 | 1 |
| 236 | 92 15/16" | 10 | 50 | 9 | 1 |



$H = 227$
 $(89 - 3/8")$

- D02 = 10
- D03 = 32
- D04 = 9
- D14 = 1





| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 232 | 91 5/16" | 11 | 1 | 10 | 1 |
| 233 | 91 3/4" | 11 | 3 | 10 | 1 |
| 234 | 92 1/8" | 11 | 5 | 10 | 1 |
| 235 | 92 1/2" | 11 | 7 | 10 | 1 |
| 236 | 92 15/16" | 11 | 9 | 10 | 1 |
| 237 | 93 5/16" | 11 | 11 | 10 | 1 |
| 238 | 93 11/16" | 11 | 13 | 10 | 1 |
| 239 | 94 1/8" | 11 | 15 | 10 | 1 |
| 240 | 94 1/2" | 11 | 17 | 10 | 1 |
| 241 | 94 7/8" | 11 | 19 | 10 | 1 |
| 242 | 95 1/4" | 11 | 21 | 10 | 1 |
| 243 | 95 11/16" | 11 | 23 | 10 | 1 |
| 244 | 96 1/16" | 11 | 25 | 10 | 1 |
| 245 | 96 7/16" | 11 | 27 | 10 | 1 |
| 246 | 96 7/8" | 11 | 29 | 10 | 1 |
| 247 | 97 1/4" | 11 | 31 | 10 | 1 |
| 248 | 97 5/8" | 11 | 33 | 10 | 1 |
| 249 | 98 1/16" | 11 | 35 | 10 | 1 |
| 250 | 98 7/16" | 11 | 37 | 10 | 1 |
| 251 | 98 13/16" | 11 | 39 | 10 | 1 |
| 252 | 99 3/16" | 11 | 41 | 10 | 1 |
| 253 | 99 5/8" | 11 | 43 | 10 | 1 |
| 254 | 100" | 11 | 45 | 10 | 1 |
| 255 | 100 3/8" | 11 | 47 | 10 | 1 |
| 256 | 100 13/16" | 11 | 49 | 10 | 1 |
| 257 | 101 3/16" | 11 | 51 | 10 | 1 |
| 258 | 101 9/16" | 11 | 53 | 10 | 1 |
| 259 | 101 15/16" | 11 | 55 | 10 | 1 |

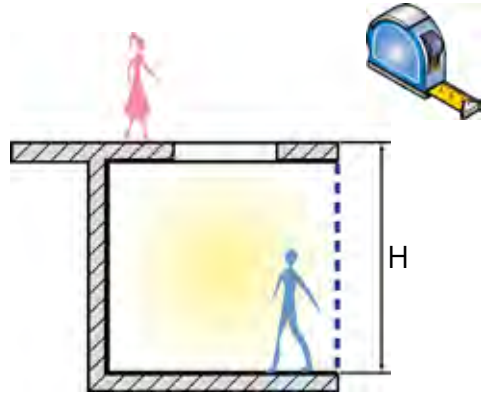
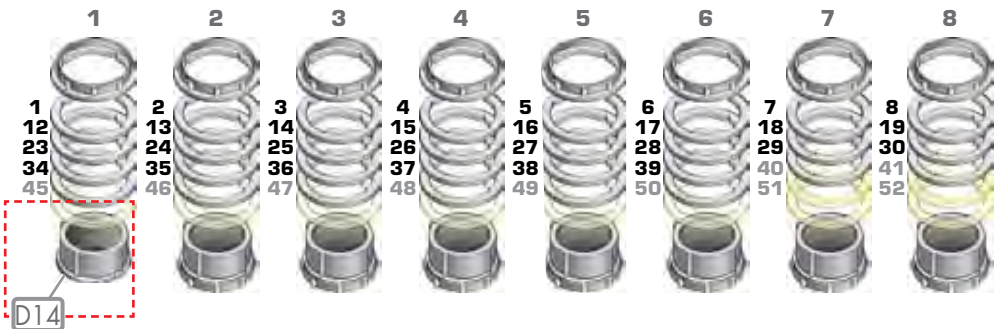
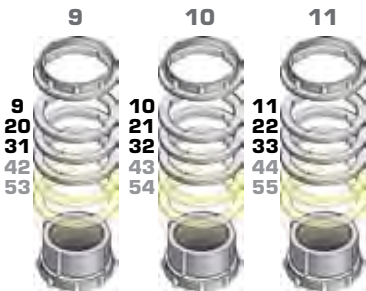
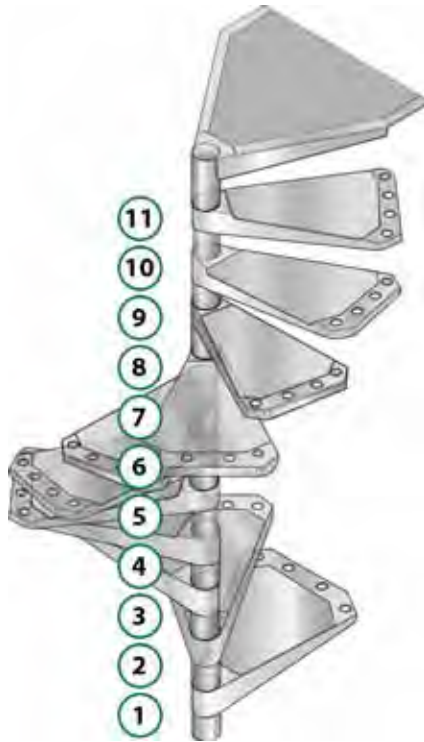
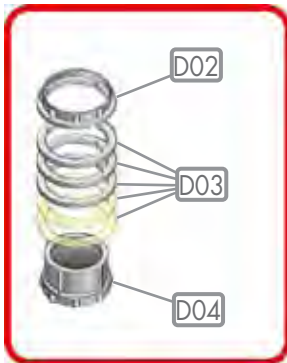


Diagram showing the relationship between height H and the number of components (D02, D03, D04, D14) for a specific height:

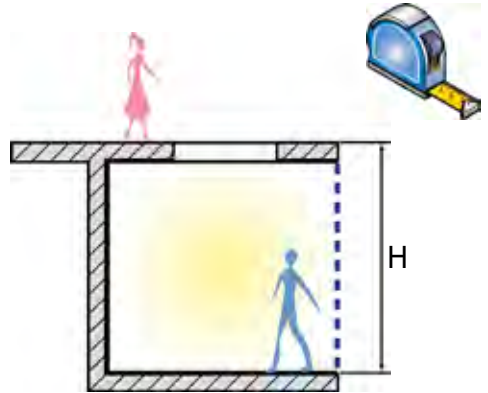
H = 251 (98 -13/16")

- D02 = 11
- D03 = 39
- D04 = 10
- D14 = 1







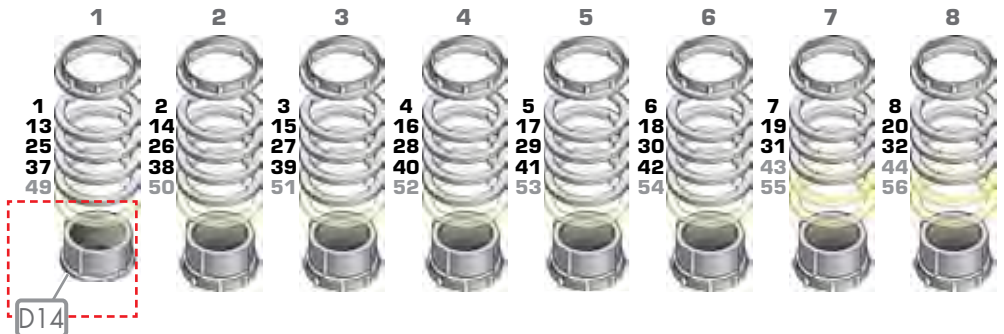


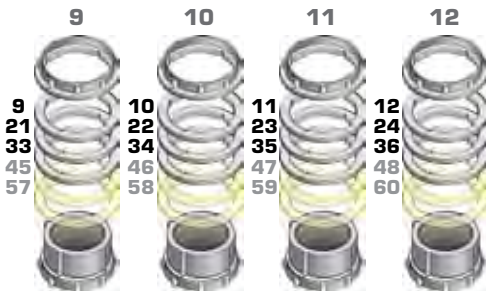
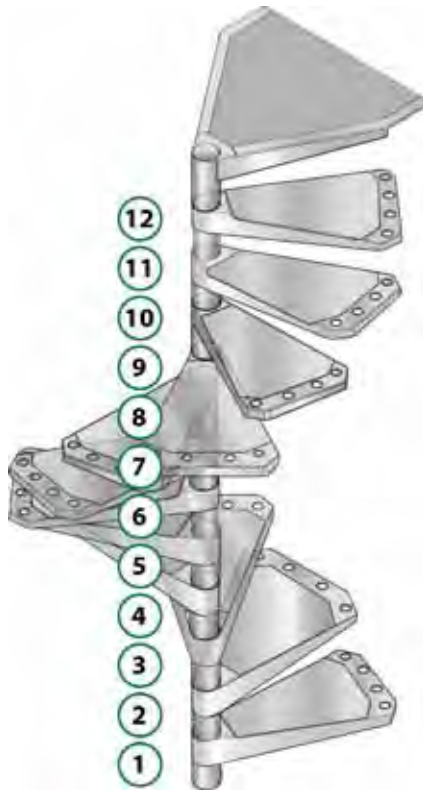
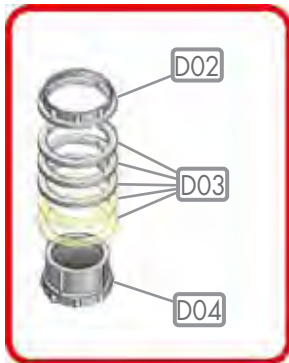
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 253 | 99 5/8" | 12 | 0 | 11 | 1 |
| 254 | 100" | 12 | 2 | 11 | 1 |
| 255 | 100 3/8" | 12 | 4 | 11 | 1 |
| 256 | 100 13/16" | 12 | 6 | 11 | 1 |
| 257 | 101 3/16" | 12 | 8 | 11 | 1 |
| 258 | 101 9/16" | 12 | 10 | 11 | 1 |
| 259 | 101 15/16" | 12 | 12 | 11 | 1 |
| 260 | 102 3/8" | 12 | 14 | 11 | 1 |
| 261 | 102 3/4" | 12 | 16 | 11 | 1 |
| 262 | 103 1/8" | 12 | 18 | 11 | 1 |
| 263 | 103 9/16" | 12 | 20 | 11 | 1 |
| 264 | 103 15/16" | 12 | 22 | 11 | 1 |
| 265 | 104 5/16" | 12 | 24 | 11 | 1 |
| 266 | 104 3/4" | 12 | 26 | 11 | 1 |
| 267 | 105 1/8" | 12 | 28 | 11 | 1 |
| 268 | 105 1/2" | 12 | 30 | 11 | 1 |
| 269 | 105 7/8" | 12 | 32 | 11 | 1 |
| 270 | 106 5/16" | 12 | 34 | 11 | 1 |
| 271 | 106 11/16" | 12 | 36 | 11 | 1 |
| 272 | 107 1/16" | 12 | 38 | 11 | 1 |
| 273 | 107 1/2" | 12 | 40 | 11 | 1 |
| 274 | 107 7/8" | 12 | 42 | 11 | 1 |
| 275 | 108 1/4" | 12 | 44 | 11 | 1 |
| 276 | 108 11/16" | 12 | 46 | 11 | 1 |
| 277 | 109 1/16" | 12 | 48 | 11 | 1 |
| 278 | 109 7/16" | 12 | 50 | 11 | 1 |
| 279 | 109 13/16" | 12 | 52 | 11 | 1 |
| 280 | 110 1/4" | 12 | 54 | 11 | 1 |
| 281 | 110 5/8" | 12 | 56 | 11 | 1 |
| 282 | 111" | 12 | 58 | 11 | 1 |
| 283 | 111 7/16" | 12 | 60 | 11 | 1 |



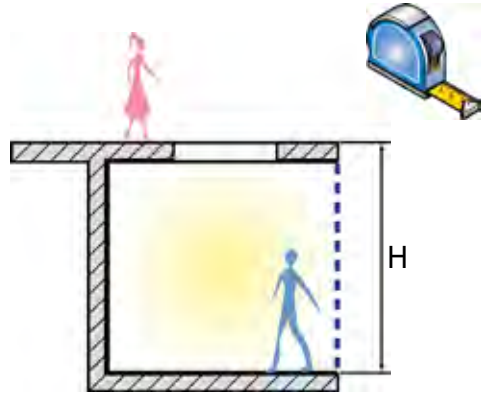
H = 274
(107-7/8")

- D02 = 12 
- D03 = 42 
- D04 = 11 
- D14 = 1 







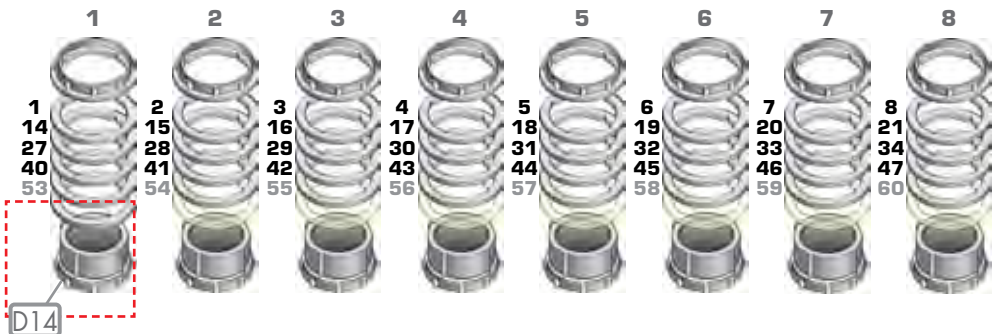


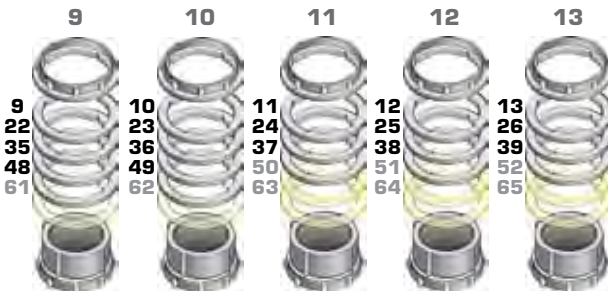
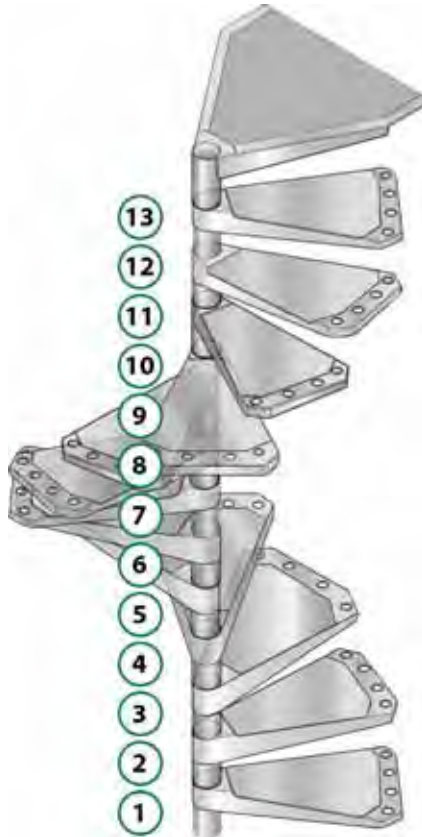
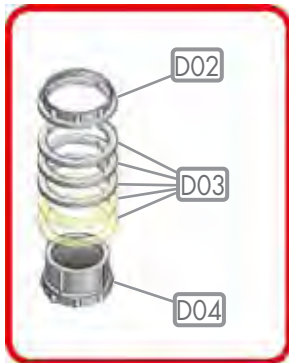
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 274 | 107 7/8" | 13 | 1 | 12 | 1 |
| 275 | 108 1/4" | 13 | 3 | 12 | 1 |
| 276 | 108 11/16" | 13 | 5 | 12 | 1 |
| 277 | 109 1/16" | 13 | 7 | 12 | 1 |
| 278 | 109 7/16" | 13 | 9 | 12 | 1 |
| 279 | 109 13/16" | 13 | 11 | 12 | 1 |
| 280 | 110 1/4" | 13 | 13 | 12 | 1 |
| 281 | 110 5/8" | 13 | 15 | 12 | 1 |
| 282 | 111" | 13 | 17 | 12 | 1 |
| 283 | 111 7/16" | 13 | 19 | 12 | 1 |
| 284 | 111 13/16" | 13 | 21 | 12 | 1 |
| 285 | 112 3/16" | 13 | 23 | 12 | 1 |
| 286 | 112 5/8" | 13 | 25 | 12 | 1 |
| 287 | 113" | 13 | 27 | 12 | 1 |
| 288 | 113 3/8" | 13 | 29 | 12 | 1 |
| 289 | 113 3/4" | 13 | 31 | 12 | 1 |
| 290 | 114 3/16" | 13 | 33 | 12 | 1 |
| 291 | 114 6/16" | 13 | 35 | 12 | 1 |
| 292 | 114 15/16" | 13 | 37 | 12 | 1 |
| 293 | 115 3/8" | 13 | 39 | 12 | 1 |
| 294 | 115 3/4" | 13 | 41 | 12 | 1 |
| 295 | 116 1/8" | 13 | 43 | 12 | 1 |
| 296 | 116 9/16" | 13 | 45 | 12 | 1 |
| 297 | 116 15/16" | 13 | 47 | 12 | 1 |
| 298 | 117 5/16" | 13 | 49 | 12 | 1 |
| 299 | 117 11/16" | 13 | 51 | 12 | 1 |
| 300 | 118 1/8" | 13 | 53 | 12 | 1 |
| 301 | 118 1/2" | 13 | 55 | 12 | 1 |
| 302 | 118 7/8" | 13 | 57 | 12 | 1 |
| 303 | 119 5/16" | 13 | 59 | 12 | 1 |
| 304 | 119 11/16" | 13 | 61 | 12 | 1 |
| 305 | 120 1/16" | 13 | 63 | 12 | 1 |
| 306 | 120 1/2" | 13 | 65 | 12 | 1 |



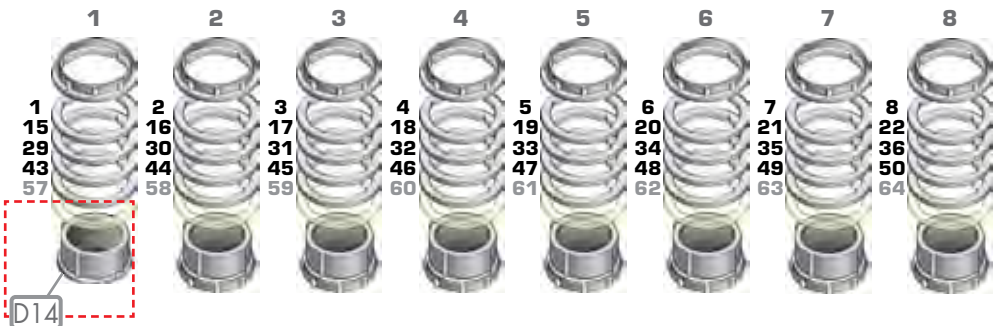
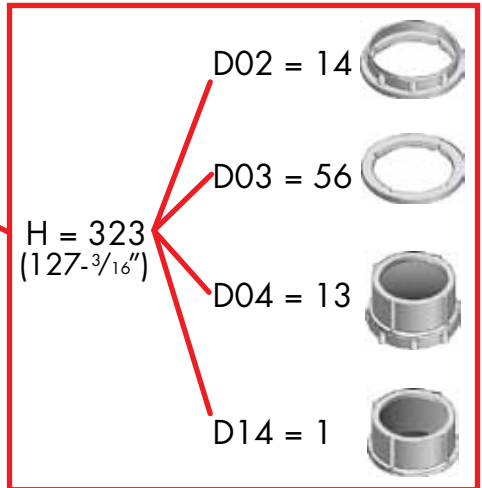
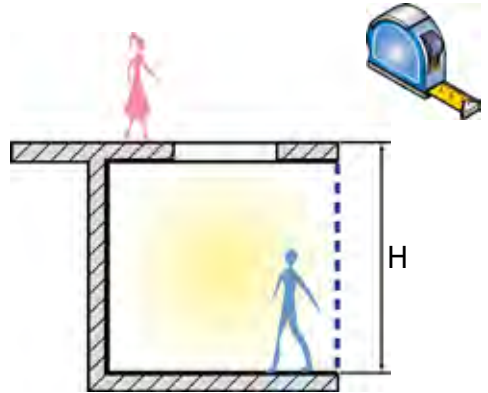
H = 298
(117-5/16")

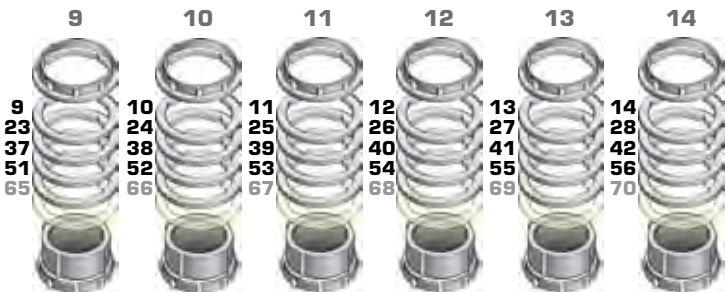
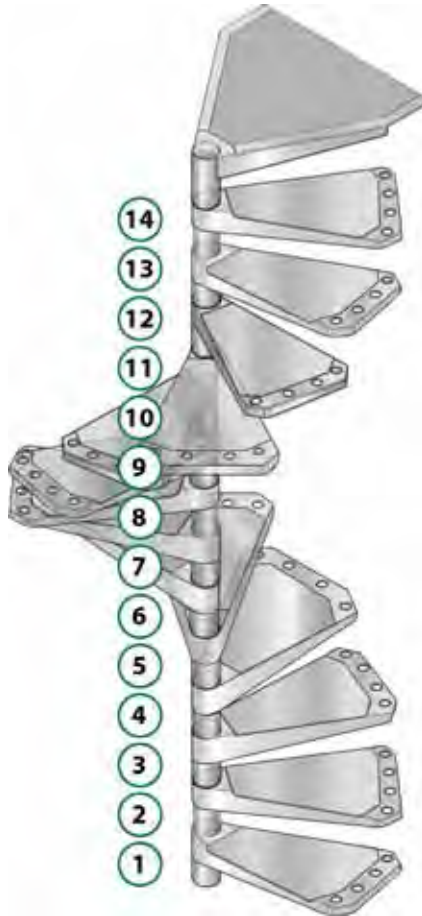
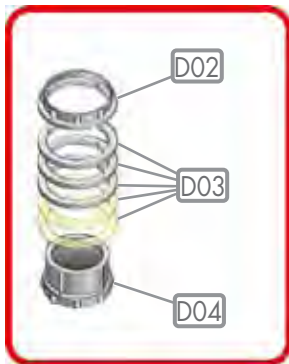
- D02 = 13 
- D03 = 49 
- D04 = 12 
- D14 = 1 



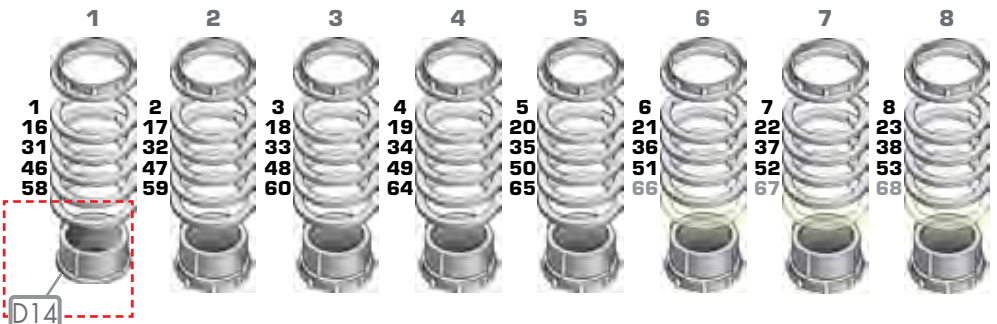
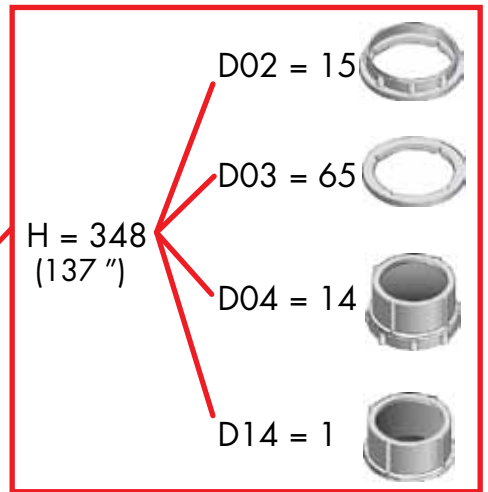
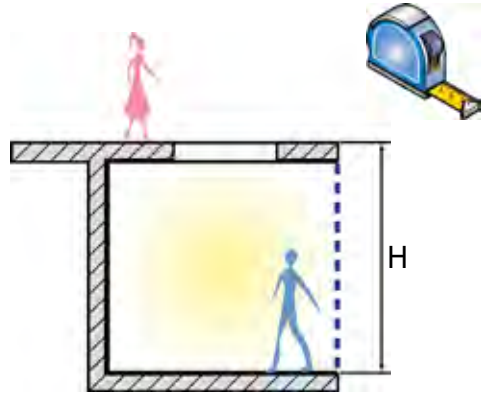


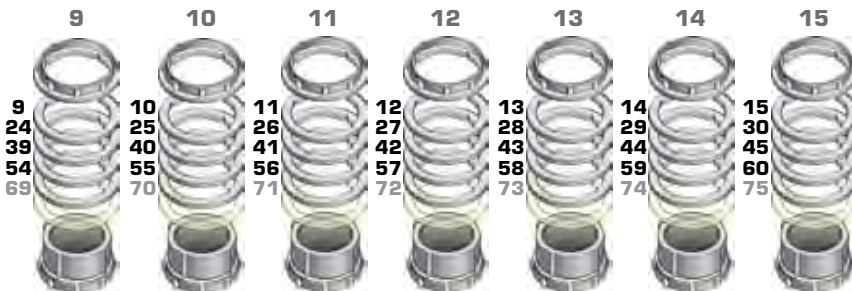
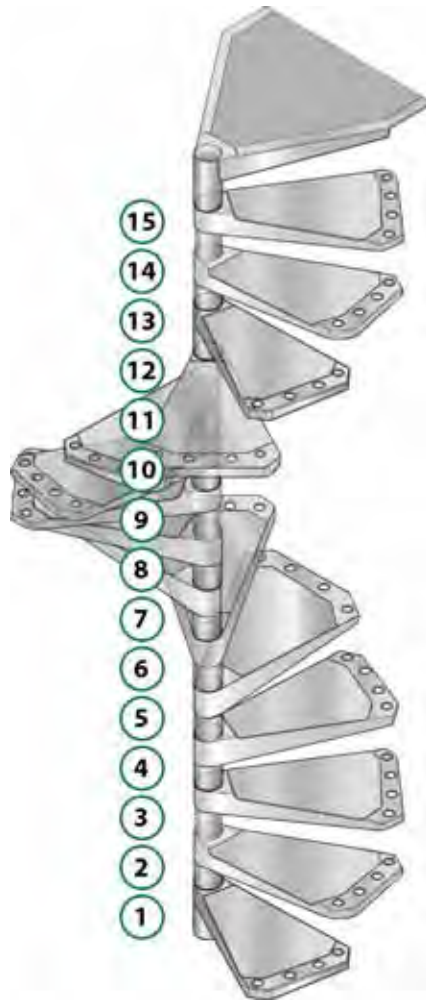
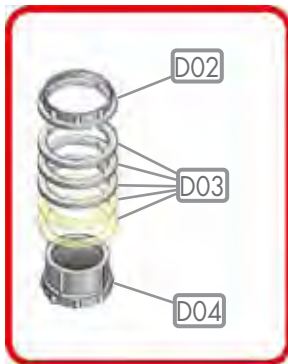
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 295 | 116 1/8" | 4 | 0 | 13 | 1 |
| 296 | 116 9/16" | 14 | 2 | 13 | 1 |
| 297 | 116 15/16" | 14 | 4 | 13 | 1 |
| 298 | 117 5/16" | 14 | 6 | 13 | 1 |
| 299 | 117 11/16" | 14 | 8 | 13 | 1 |
| 300 | 118 1/8" | 14 | 10 | 13 | 1 |
| 301 | 118 1/2" | 14 | 12 | 13 | 1 |
| 302 | 118 7/8" | 14 | 14 | 13 | 1 |
| 303 | 119 5/16" | 14 | 16 | 13 | 1 |
| 304 | 119 11/16" | 14 | 18 | 13 | 1 |
| 305 | 120 1/16" | 14 | 20 | 13 | 1 |
| 306 | 120 1/2" | 14 | 22 | 13 | 1 |
| 307 | 120 7/8" | 14 | 24 | 13 | 1 |
| 308 | 121 1/4" | 14 | 26 | 13 | 1 |
| 309 | 121 5/8" | 14 | 28 | 13 | 1 |
| 310 | 122 1/16" | 14 | 30 | 13 | 1 |
| 311 | 122 7/16" | 14 | 32 | 13 | 1 |
| 312 | 122 13/16" | 14 | 34 | 13 | 1 |
| 313 | 123 1/4" | 14 | 36 | 13 | 1 |
| 314 | 123 5/8" | 14 | 38 | 13 | 1 |
| 315 | 124" | 14 | 40 | 13 | 1 |
| 316 | 124 7/16" | 14 | 42 | 13 | 1 |
| 317 | 124 13/16" | 14 | 44 | 13 | 1 |
| 318 | 125 3/16" | 14 | 46 | 13 | 1 |
| 319 | 125 9/16" | 14 | 48 | 13 | 1 |
| 320 | 126" | 14 | 50 | 13 | 1 |
| 321 | 126 3/8" | 14 | 52 | 13 | 1 |
| 322 | 126 3/4" | 14 | 54 | 13 | 1 |
| 323 | 127 3/16" | 14 | 56 | 13 | 1 |
| 324 | 127 9/16" | 14 | 58 | 13 | 1 |
| 325 | 127 15/16" | 14 | 60 | 13 | 1 |
| 326 | 128 3/8" | 14 | 62 | 13 | 1 |
| 327 | 128 3/4" | 14 | 64 | 13 | 1 |
| 328 | 129 1/8" | 14 | 66 | 13 | 1 |
| 329 | 129 1/2" | 14 | 68 | 13 | 1 |
| 330 | 129 15/16" | 14 | 70 | 13 | 1 |



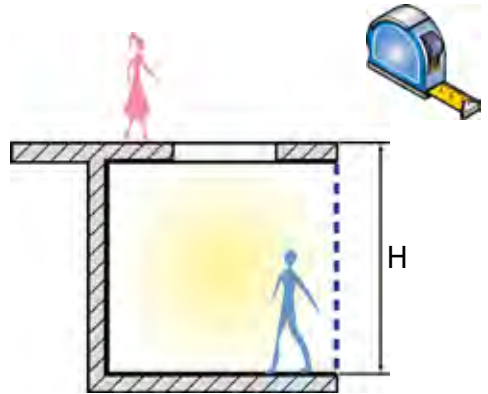


| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 316 | 124 7/16" | 15 | 1 | 14 | 1 |
| 317 | 124 13/16" | 15 | 3 | 14 | 1 |
| 318 | 125 3/16" | 15 | 5 | 14 | 1 |
| 319 | 125 9/16" | 15 | 7 | 14 | 1 |
| 320 | 126" | 15 | 9 | 14 | 1 |
| 321 | 126 3/8" | 15 | 11 | 14 | 1 |
| 322 | 126 3/4" | 15 | 13 | 14 | 1 |
| 323 | 127 3/16" | 15 | 15 | 14 | 1 |
| 324 | 127 9/16" | 15 | 17 | 14 | 1 |
| 325 | 127 15/16" | 15 | 19 | 14 | 1 |
| 326 | 128 3/8" | 15 | 21 | 14 | 1 |
| 327 | 128 3/4" | 15 | 23 | 14 | 1 |
| 328 | 129 1/8" | 15 | 25 | 14 | 1 |
| 329 | 129 1/2" | 15 | 27 | 14 | 1 |
| 330 | 129 15/16" | 15 | 29 | 14 | 1 |
| 331 | 130 5/16" | 15 | 31 | 14 | 1 |
| 332 | 130 11/16" | 15 | 33 | 14 | 1 |
| 333 | 131 1/8" | 15 | 35 | 14 | 1 |
| 334 | 131 1/2" | 15 | 37 | 14 | 1 |
| 335 | 131 7/8" | 15 | 39 | 14 | 1 |
| 336 | 132 5/16" | 15 | 41 | 14 | 1 |
| 337 | 132 11/16" | 15 | 43 | 14 | 1 |
| 338 | 133 1/16" | 15 | 45 | 14 | 1 |
| 339 | 133 7/16" | 15 | 47 | 14 | 1 |
| 340 | 133 7/8" | 15 | 49 | 14 | 1 |
| 341 | 134 1/4" | 15 | 51 | 14 | 1 |
| 342 | 134 5/8" | 15 | 53 | 14 | 1 |
| 343 | 135 10/16" | 15 | 55 | 14 | 1 |
| 344 | 135 7/16" | 15 | 57 | 14 | 1 |
| 345 | 135 13/16" | 15 | 59 | 14 | 1 |
| 346 | 136 1/4" | 15 | 61 | 14 | 1 |
| 347 | 136 5/8" | 15 | 63 | 14 | 1 |
| 348 | 137" | 15 | 65 | 14 | 1 |
| 349 | 137 3/8" | 15 | 67 | 14 | 1 |
| 350 | 137 13/16" | 15 | 69 | 14 | 1 |
| 351 | 138 3/16" | 15 | 71 | 14 | 1 |
| 352 | 138 9/16" | 15 | 73 | 14 | 1 |
| 353 | 139" | 15 | 75 | 14 | 1 |







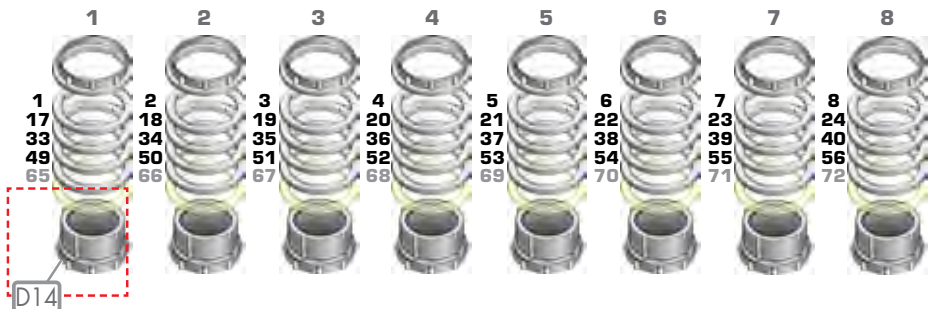


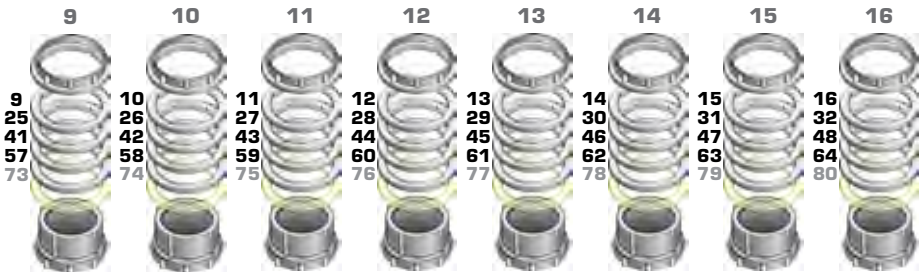
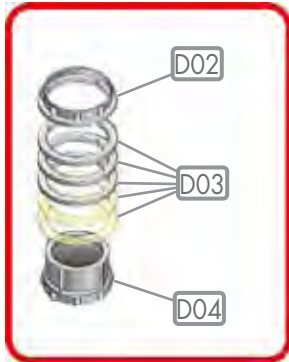
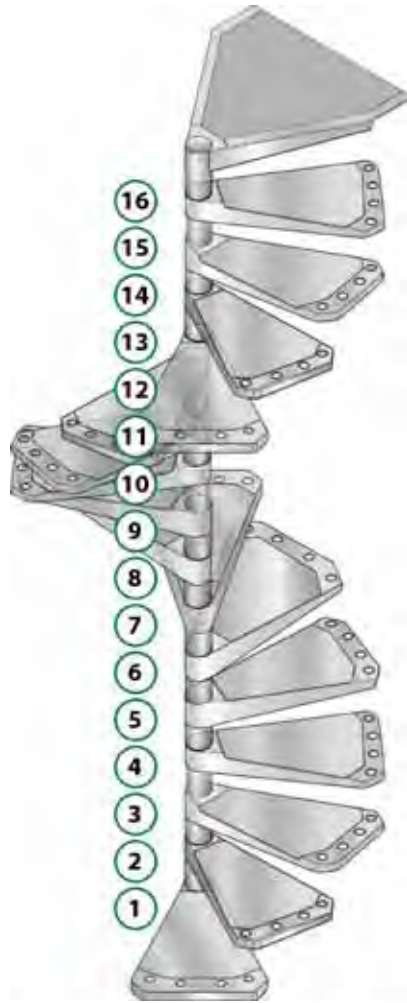
| H cm | H inch | D02 | D03 | D04 | D14 |
|------|------------|-----|-----|-----|-----|
| 337 | 132 11/16" | 16 | 0 | 15 | 1 |
| 338 | 133 1/16" | 16 | 2 | 15 | 1 |
| 339 | 133 7/16" | 16 | 4 | 15 | 1 |
| 340 | 133 7/8" | 16 | 6 | 15 | 1 |
| 341 | 134 1/4" | 16 | 8 | 15 | 1 |
| 342 | 134 5/8" | 16 | 10 | 15 | 1 |
| 343 | 135 1/16" | 16 | 12 | 15 | 1 |
| 344 | 135 7/16" | 16 | 14 | 15 | 1 |
| 345 | 135 13/16" | 16 | 16 | 15 | 1 |
| 346 | 136 1/4" | 16 | 18 | 15 | 1 |
| 347 | 136 5/8" | 16 | 20 | 15 | 1 |
| 348 | 137" | 16 | 22 | 15 | 1 |
| 349 | 137 3/8" | 16 | 24 | 15 | 1 |
| 350 | 137 13/16" | 16 | 26 | 15 | 1 |
| 351 | 138 3/16" | 16 | 28 | 15 | 1 |
| 352 | 138 9/16" | 16 | 30 | 15 | 1 |
| 353 | 139" | 16 | 32 | 15 | 1 |
| 354 | 139 3/8" | 16 | 34 | 15 | 1 |
| 355 | 139 3/4" | 16 | 36 | 15 | 1 |
| 356 | 140 3/16" | 16 | 38 | 15 | 1 |
| 357 | 140 9/16" | 16 | 40 | 15 | 1 |
| 358 | 140 15/16" | 16 | 42 | 15 | 1 |
| 359 | 141 5/16" | 16 | 44 | 15 | 1 |
| 360 | 141 3/4" | 16 | 46 | 15 | 1 |
| 361 | 142 1/8" | 16 | 48 | 15 | 1 |
| 362 | 142 1/2" | 16 | 50 | 15 | 1 |
| 363 | 142 15/16" | 16 | 52 | 15 | 1 |
| 364 | 143 5/16" | 16 | 54 | 15 | 1 |
| 365 | 143 11/16" | 16 | 56 | 15 | 1 |
| 366 | 144 1/8" | 16 | 58 | 15 | 1 |
| 367 | 144 1/2" | 16 | 60 | 15 | 1 |
| 368 | 144 7/8" | 16 | 62 | 15 | 1 |
| 369 | 145 1/4" | 16 | 64 | 15 | 1 |
| 370 | 145 11/16" | 16 | 66 | 15 | 1 |
| 371 | 146 1/16" | 16 | 68 | 15 | 1 |
| 372 | 146 7/16" | 16 | 70 | 15 | 1 |
| 373 | 146 7/8" | 16 | 72 | 15 | 1 |
| 374 | 147 1/4" | 16 | 74 | 15 | 1 |
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| 376 | 148 1/16" | 16 | 78 | 15 | 1 |
| 377 | 148 7/16" | 16 | 80 | 15 | 1 |

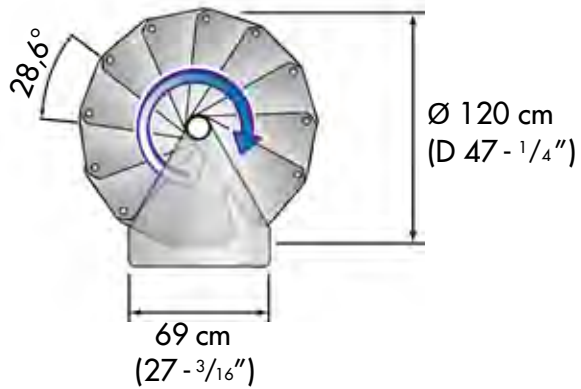
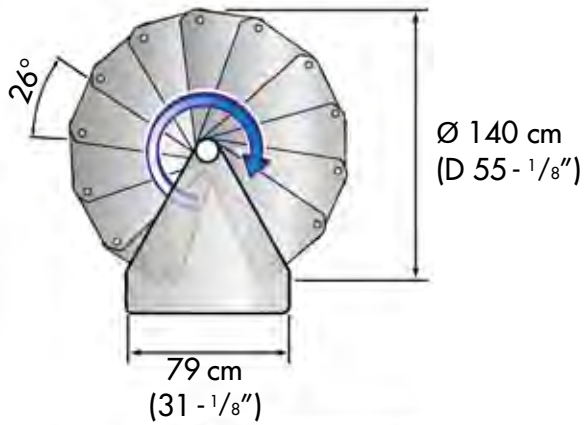
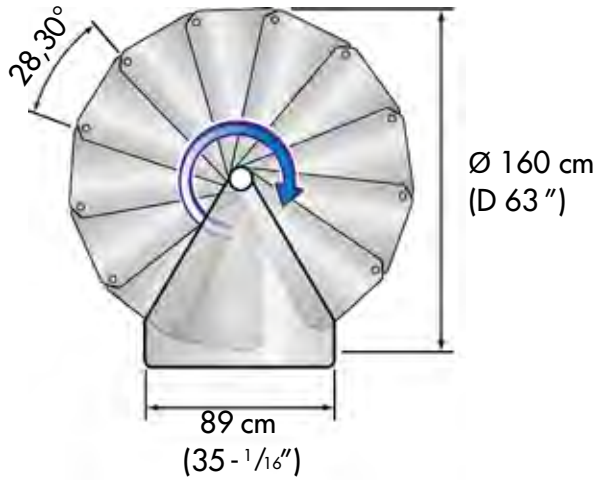


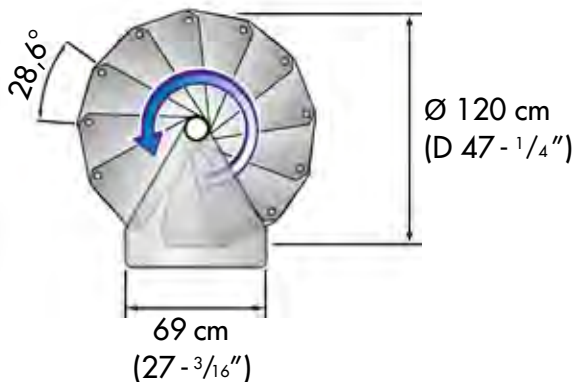
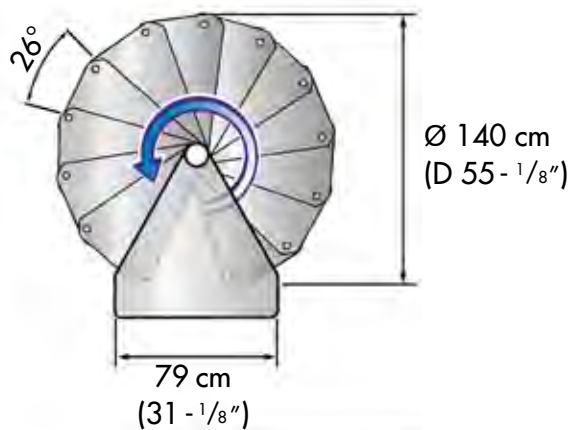
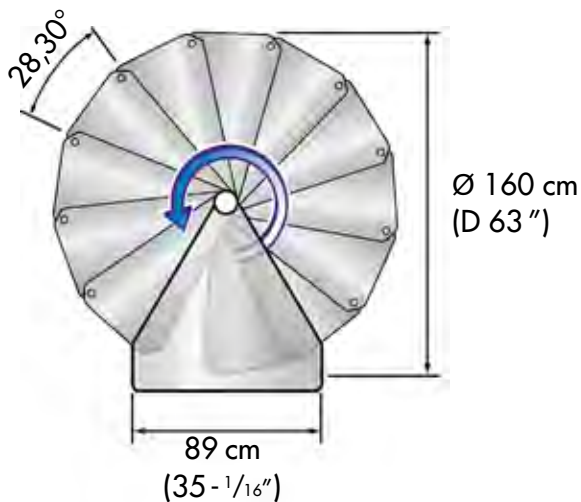
H = 369
(145 - 1/4")

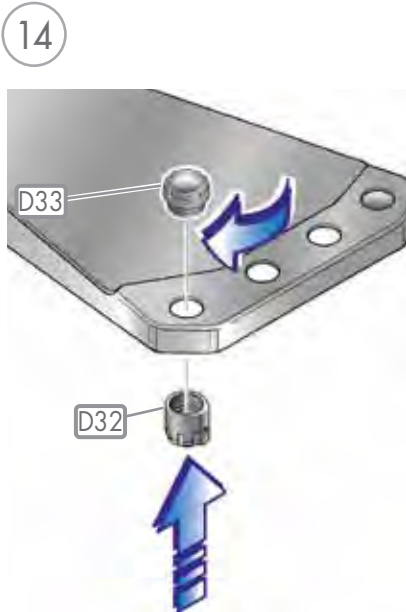
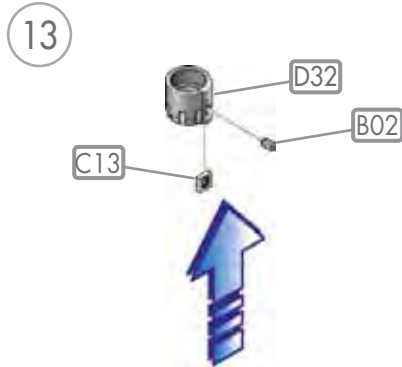
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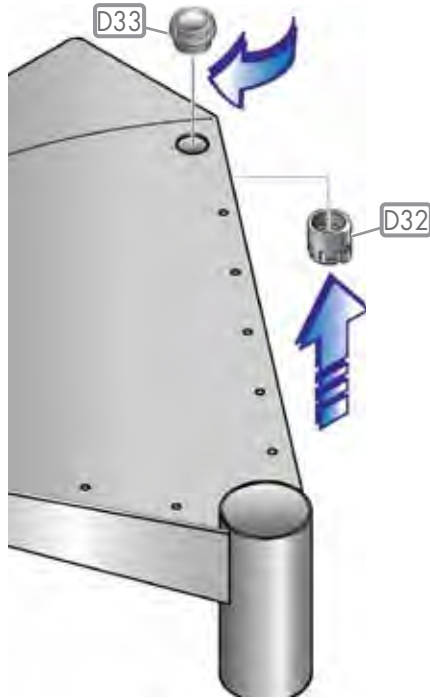






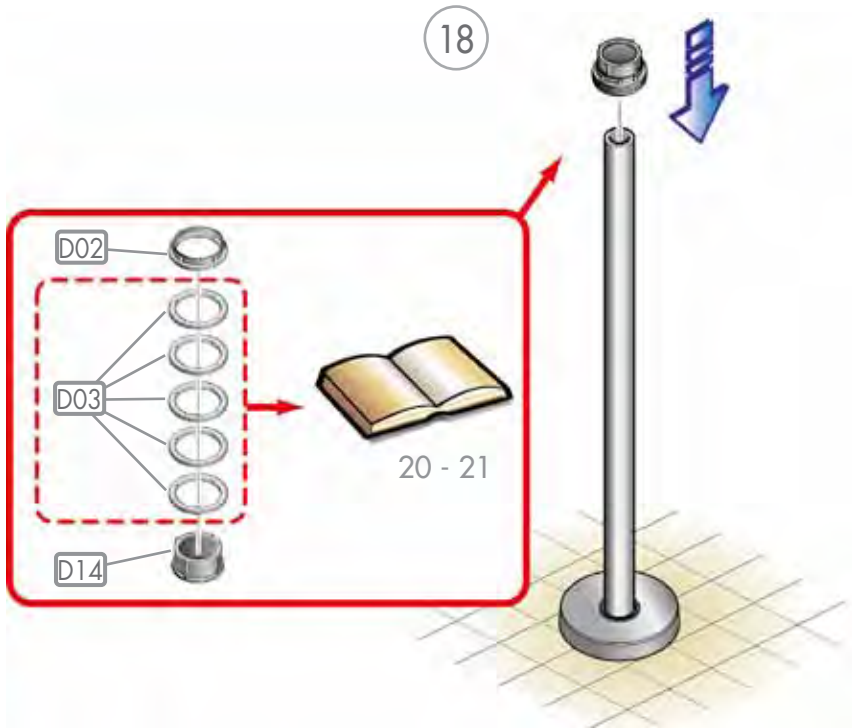


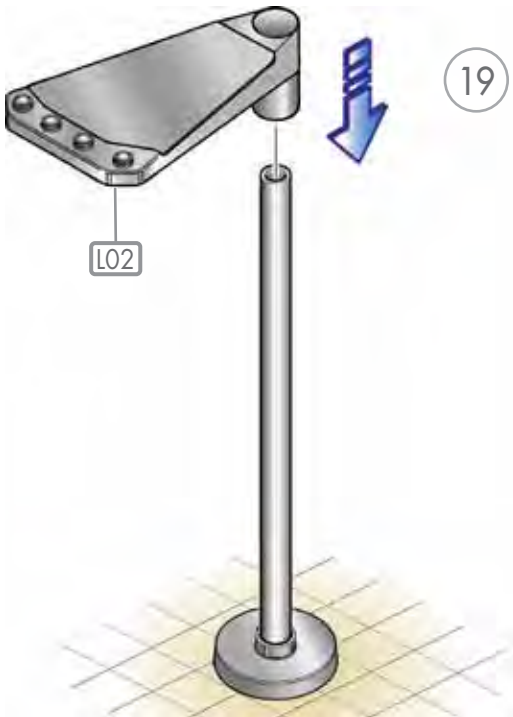
16



17

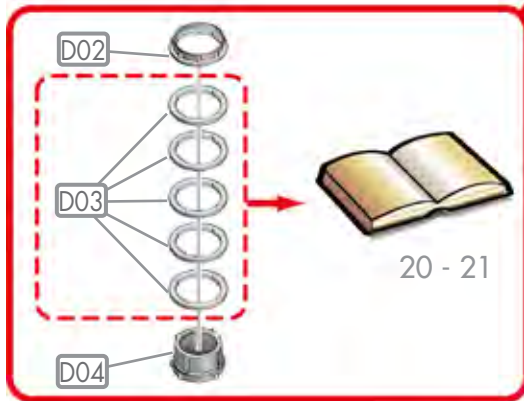




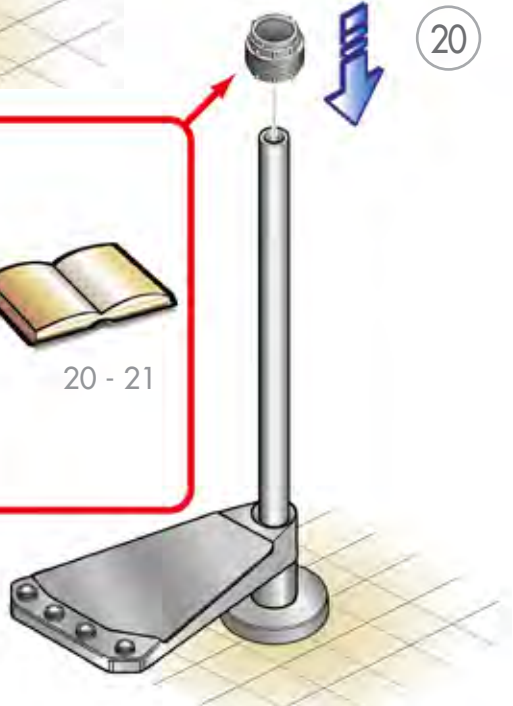


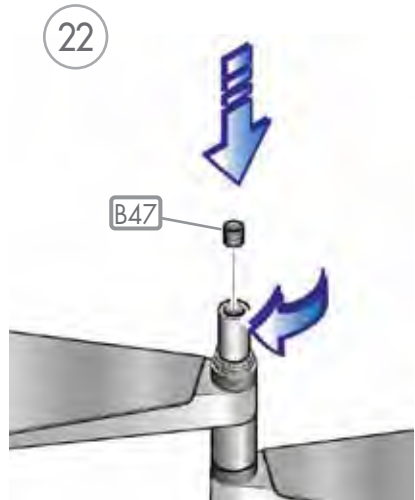
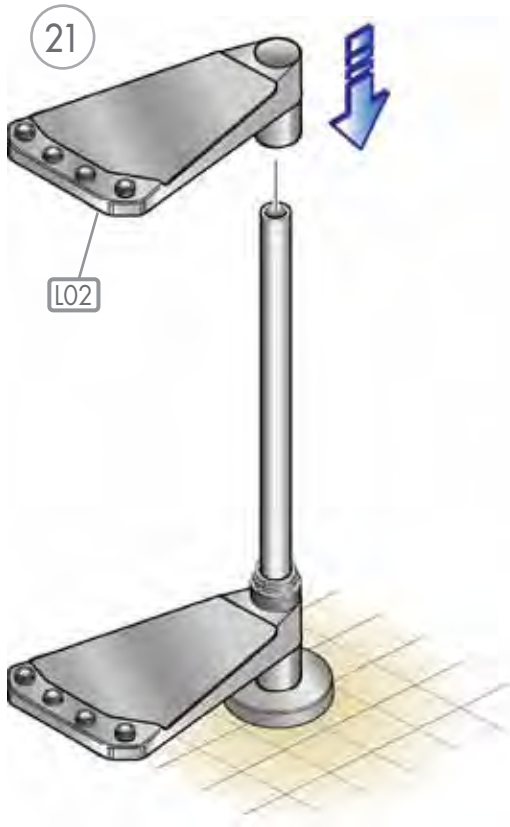
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L02

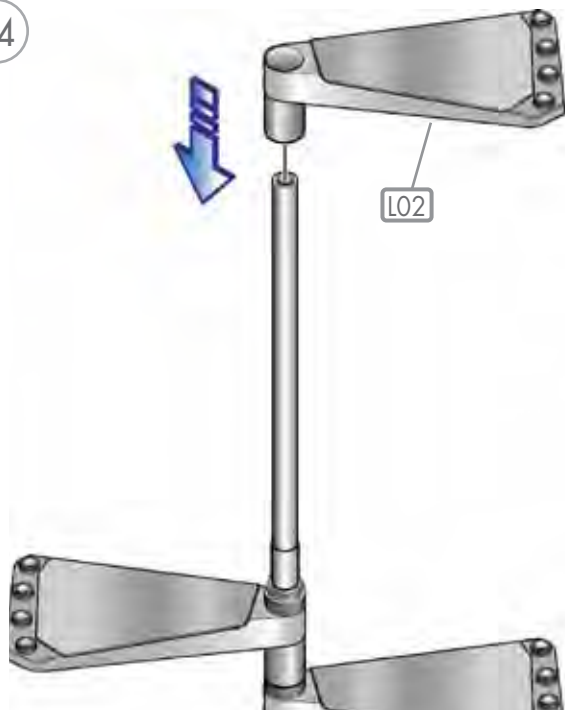


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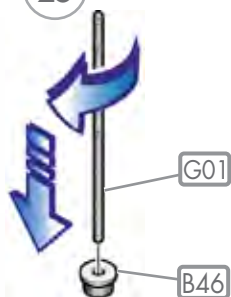




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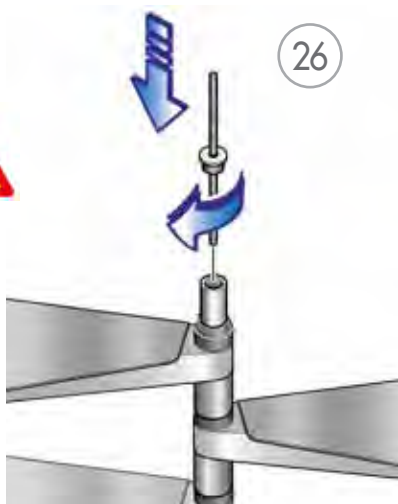
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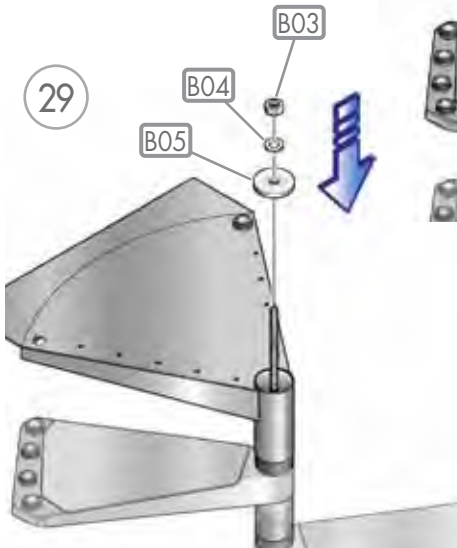
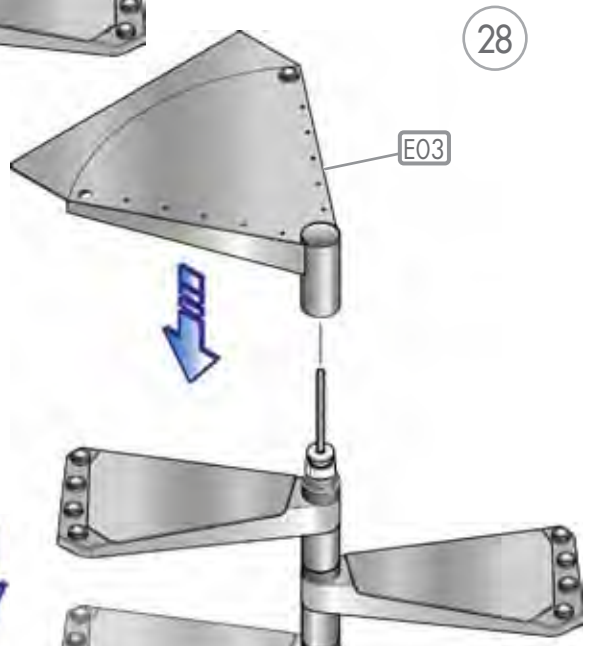
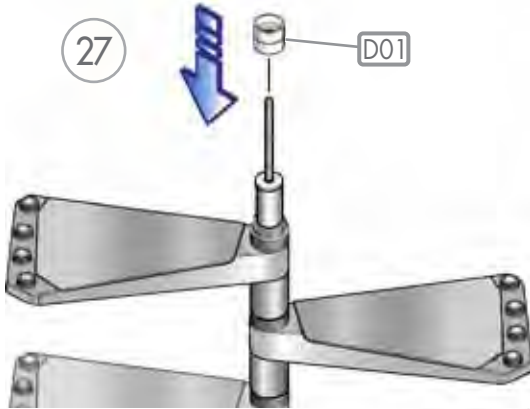


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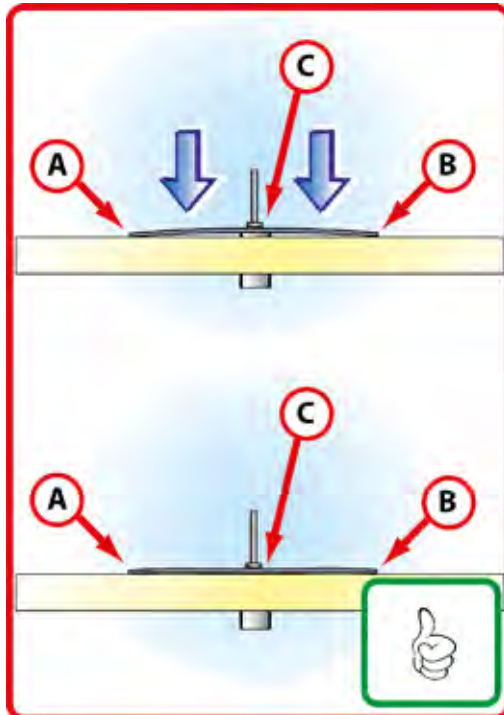
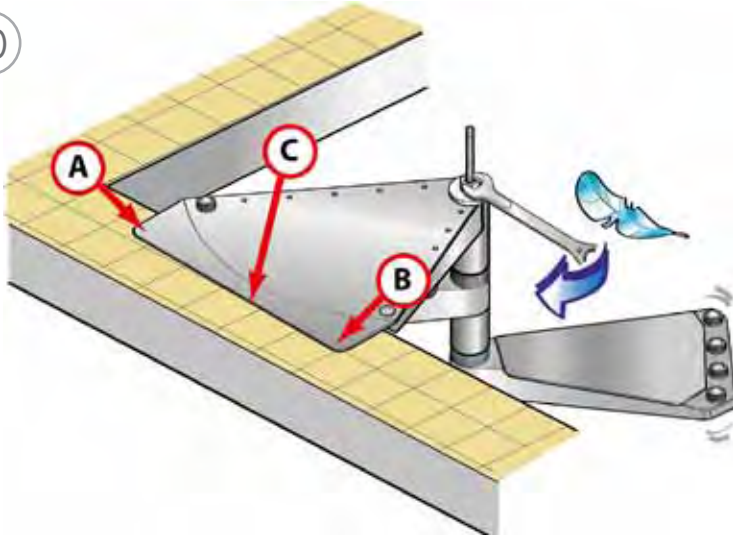


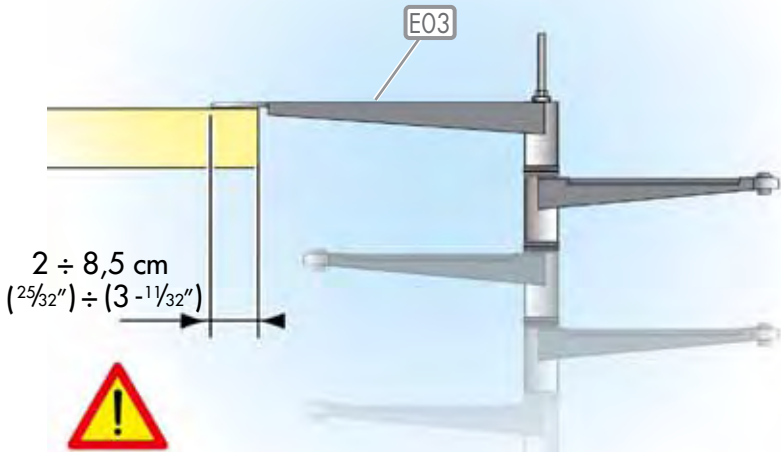
15 cm
(5 - 29/32")

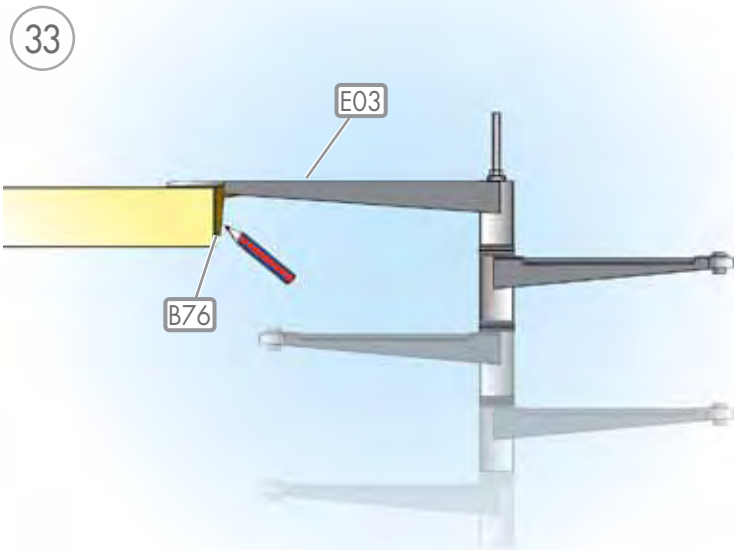
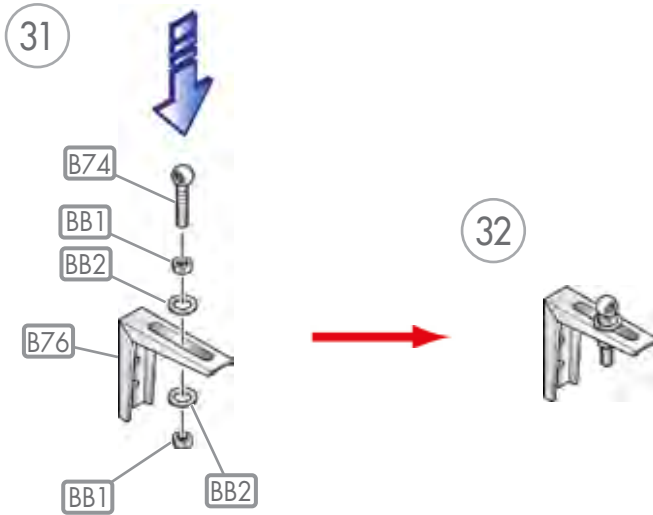




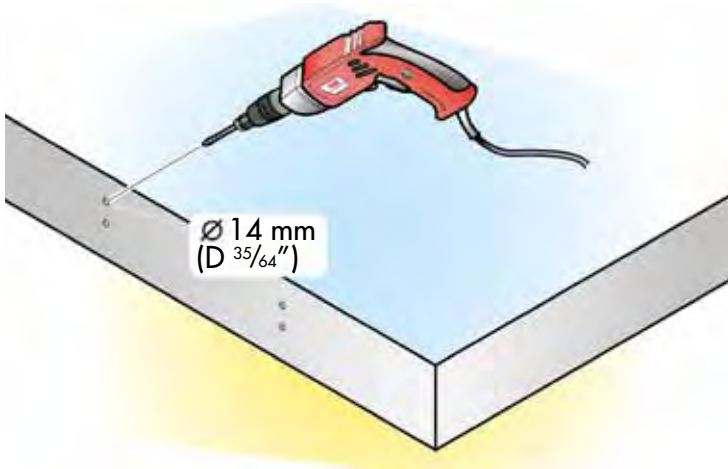
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34



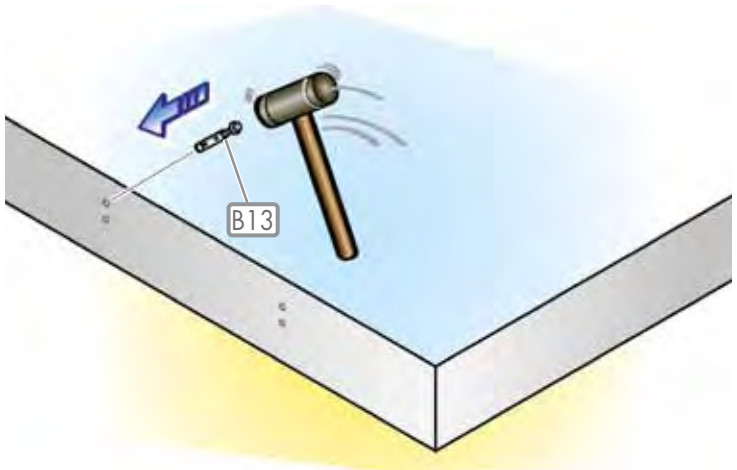
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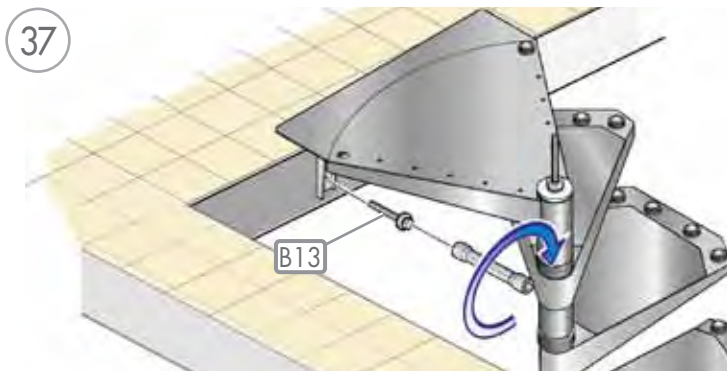
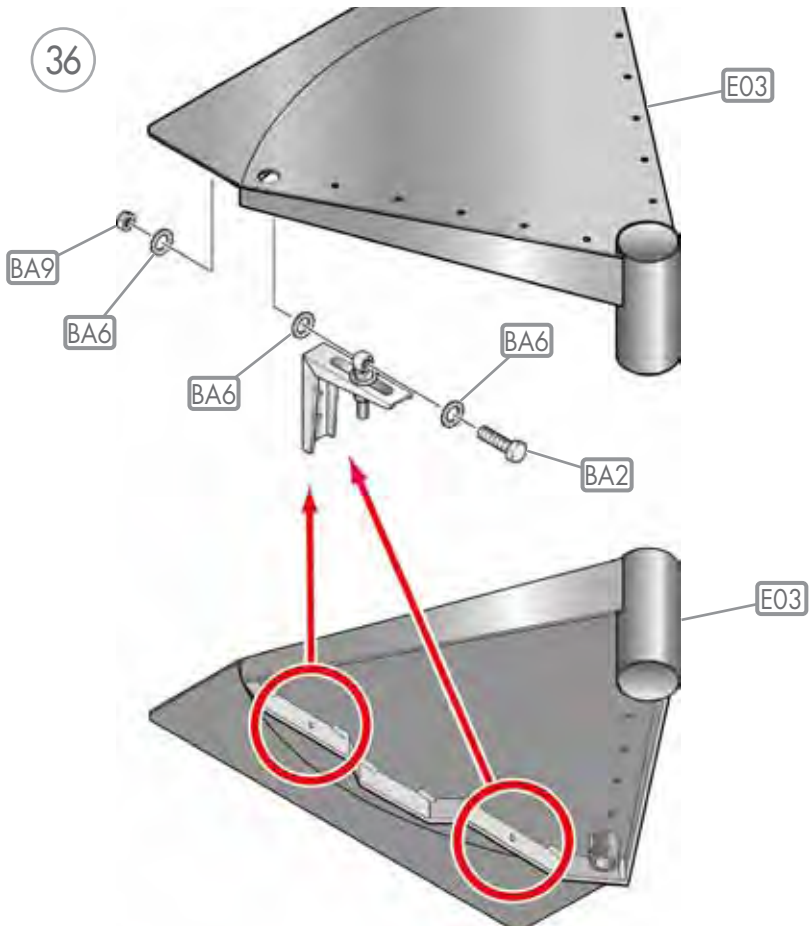


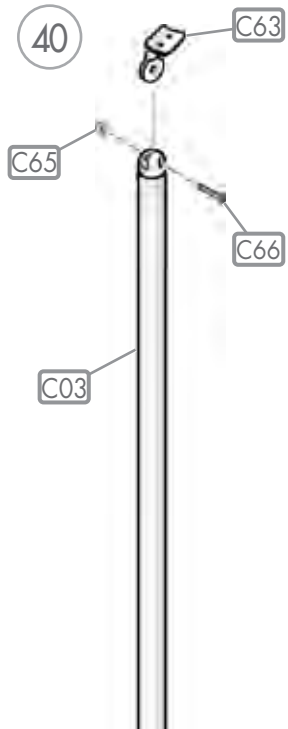
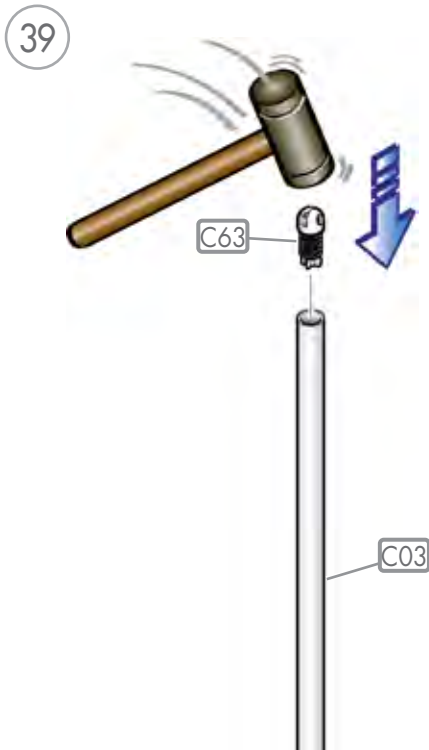
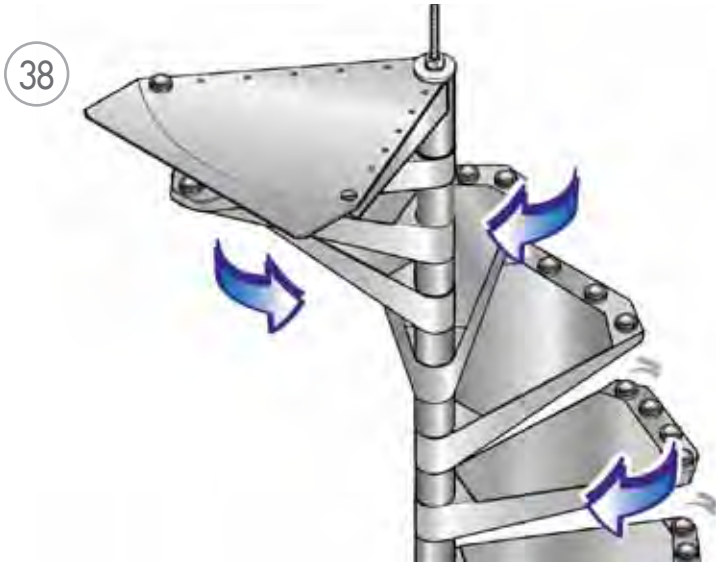
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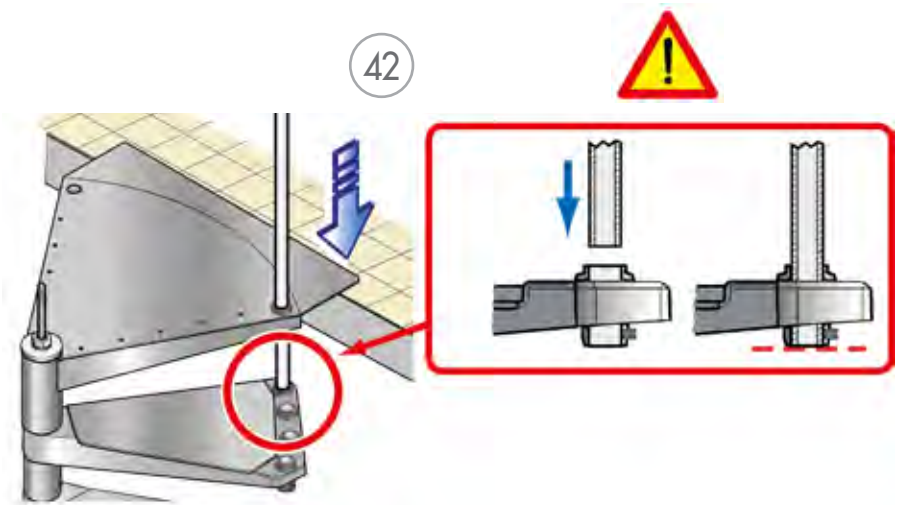
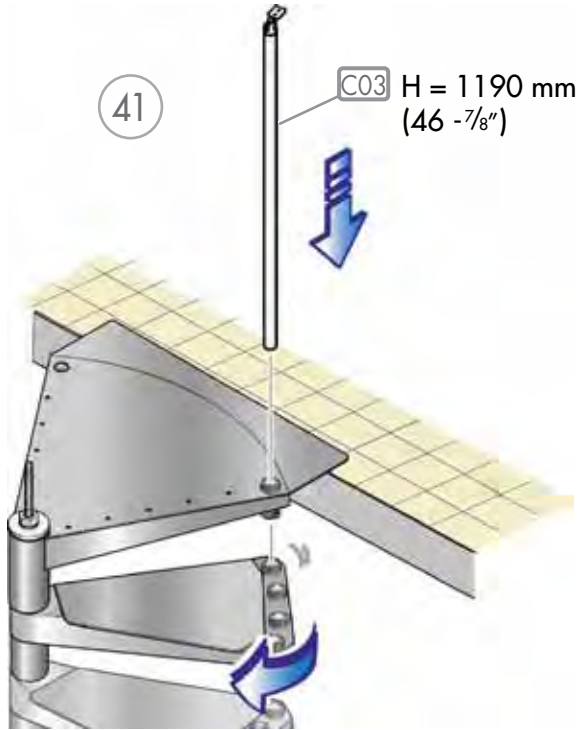


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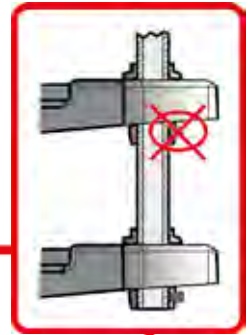
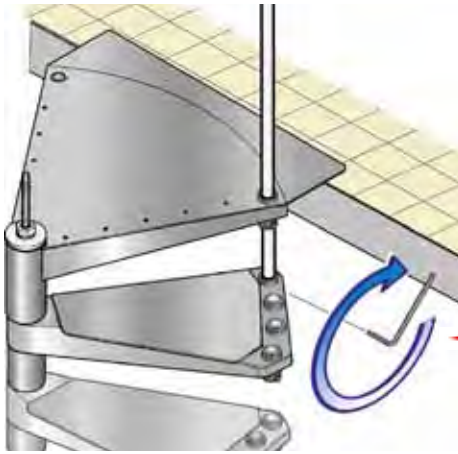




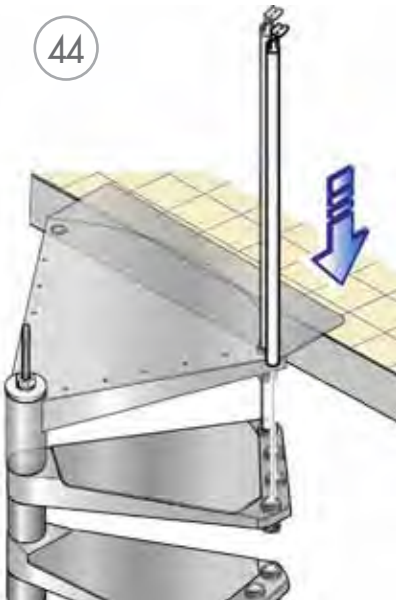




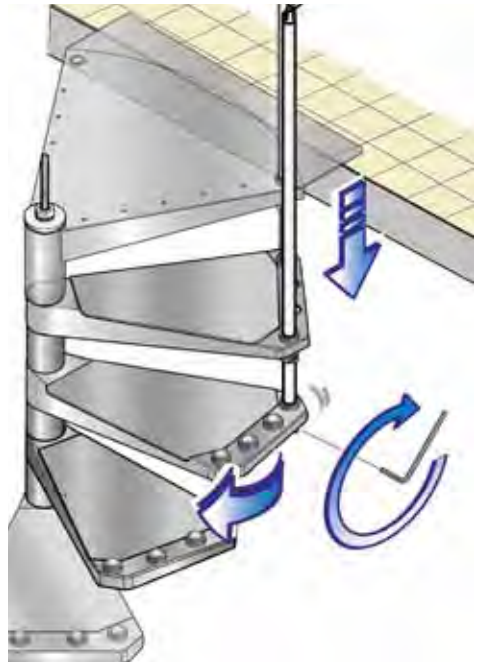
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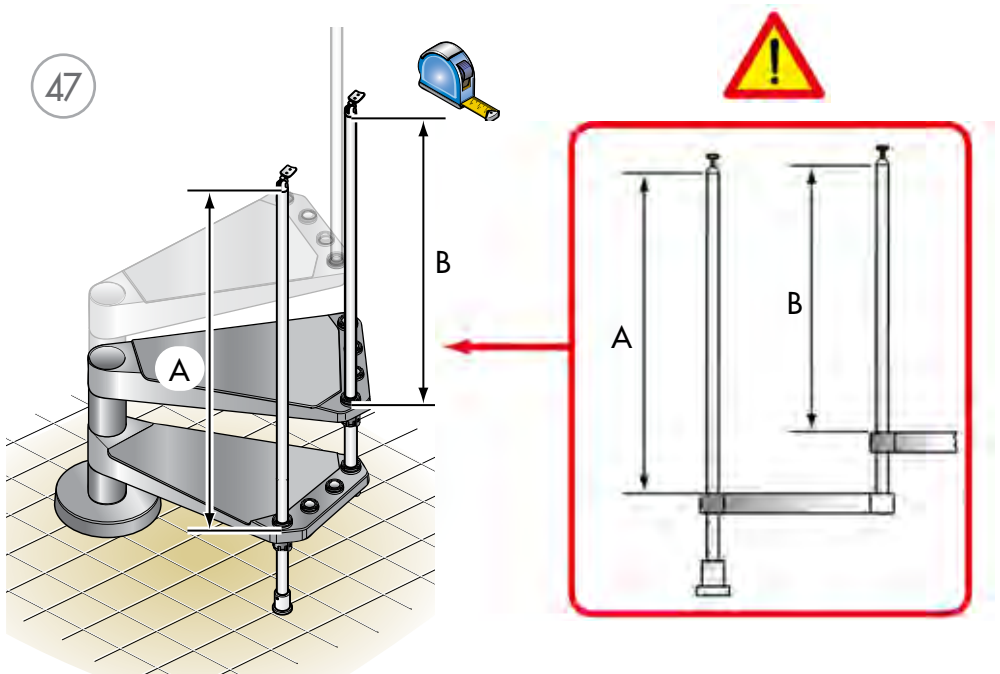
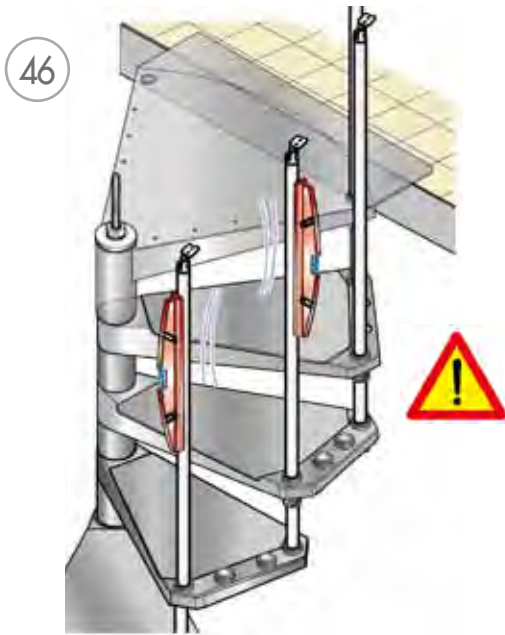


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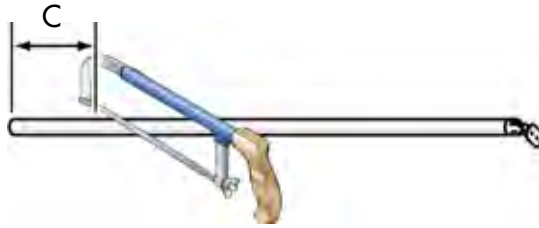
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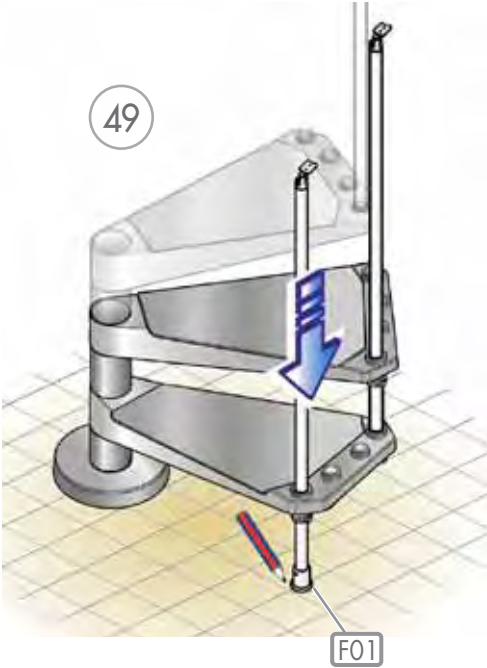


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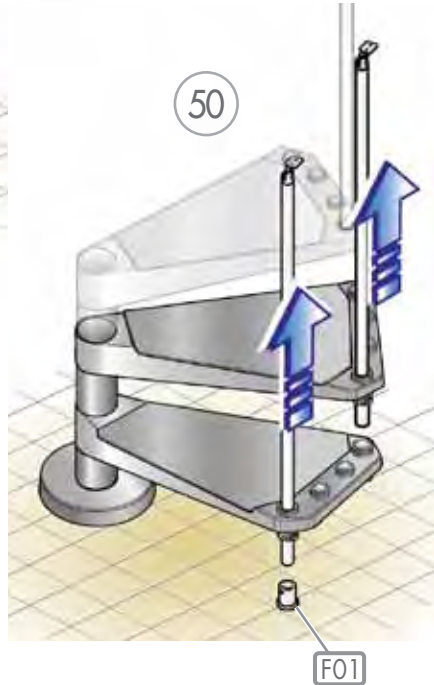
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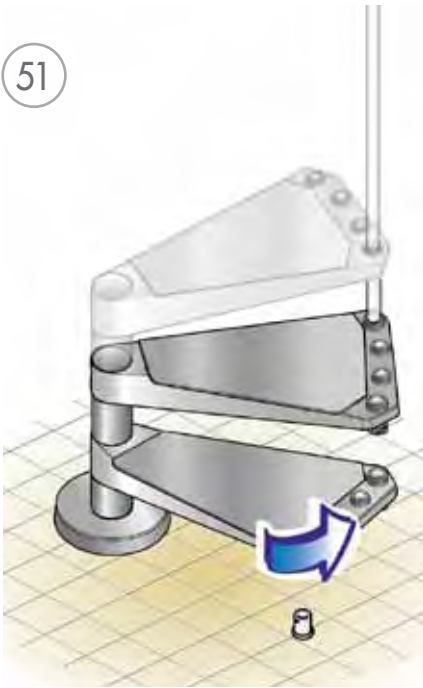
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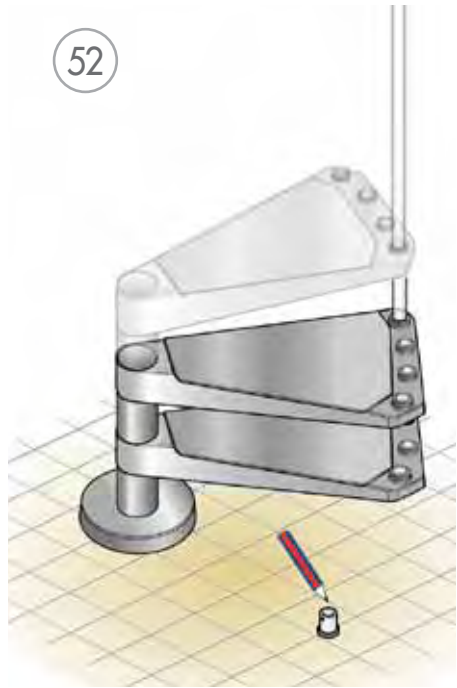
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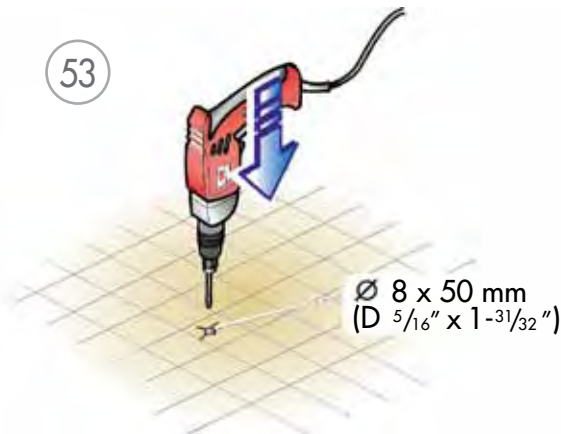
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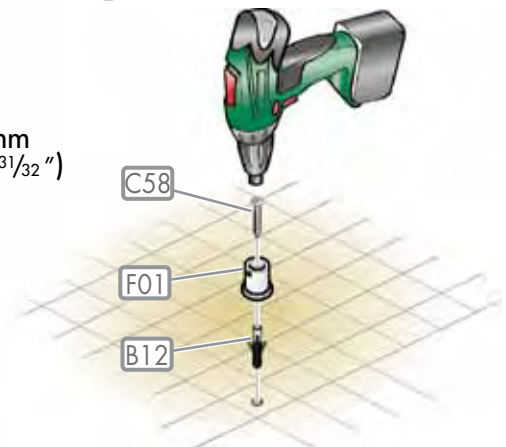
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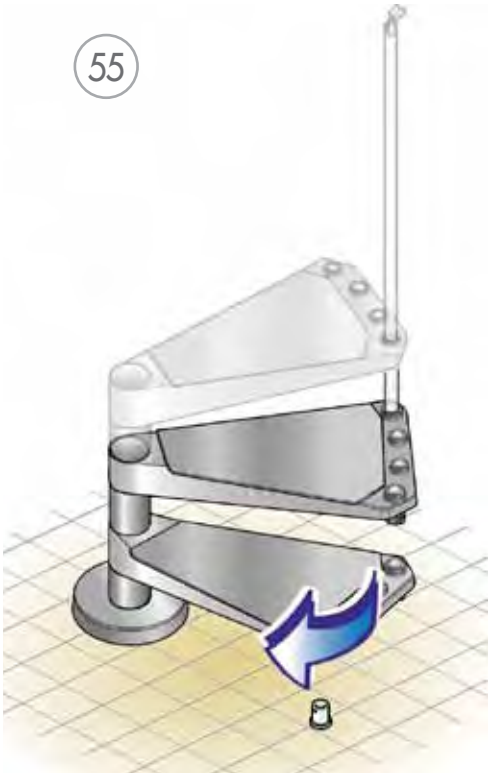
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54



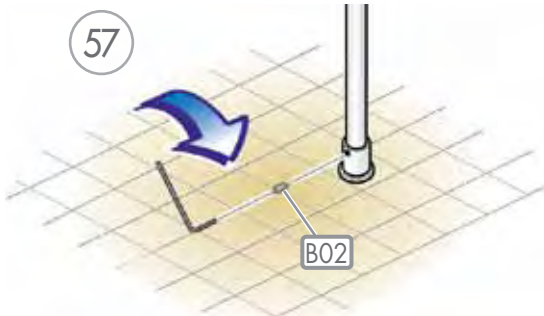
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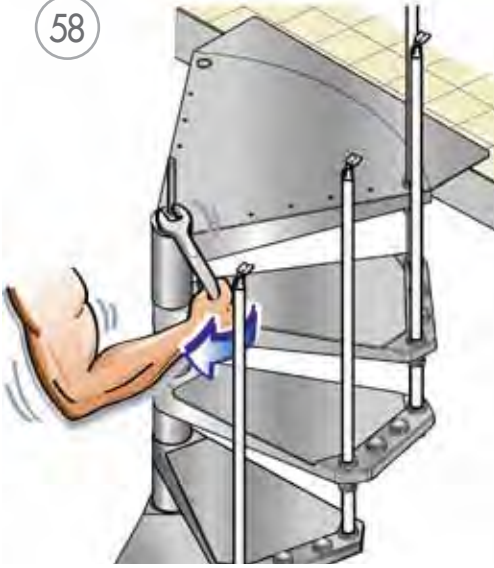
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57



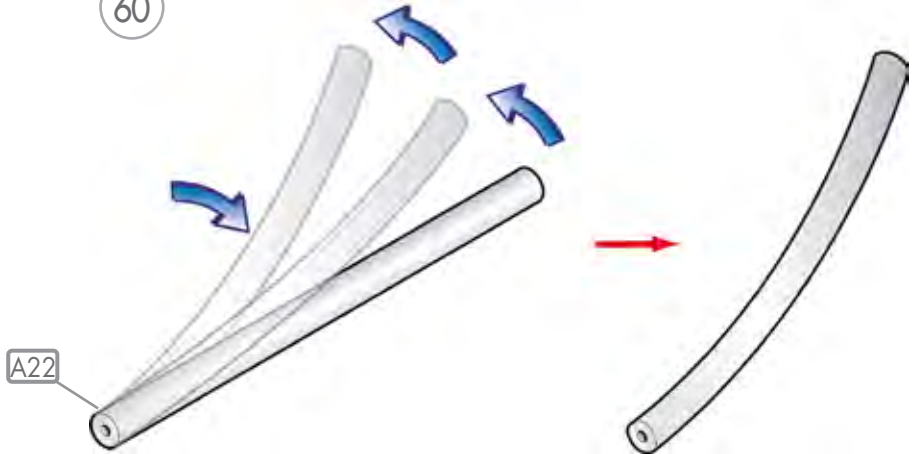
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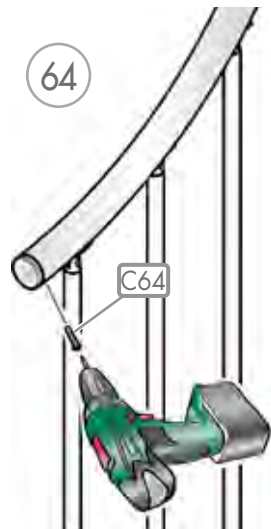
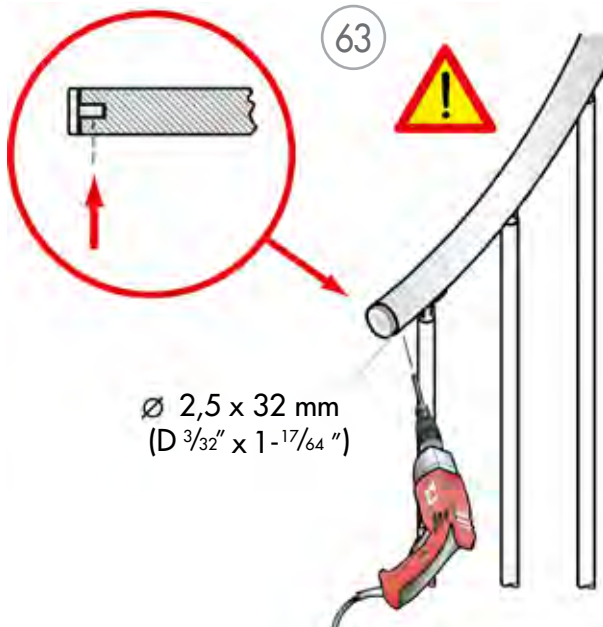
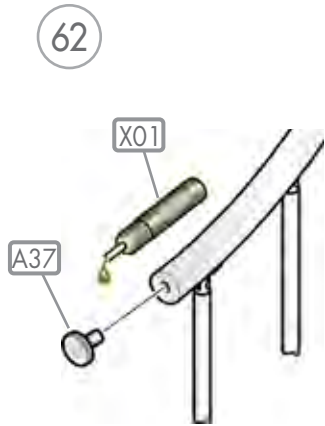
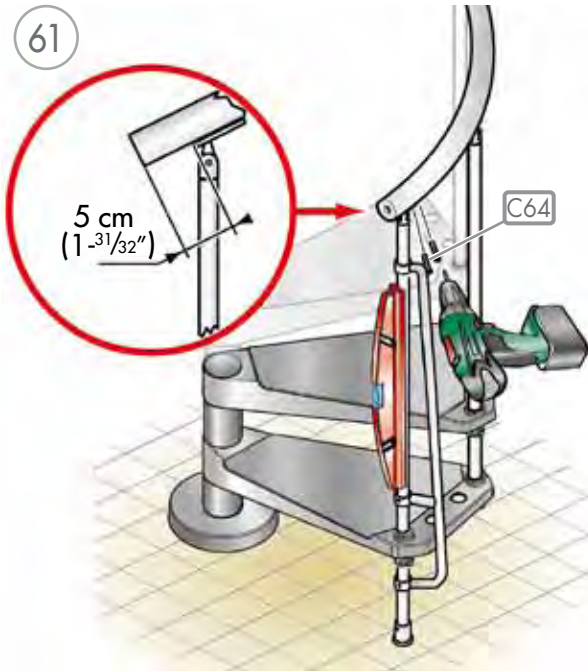


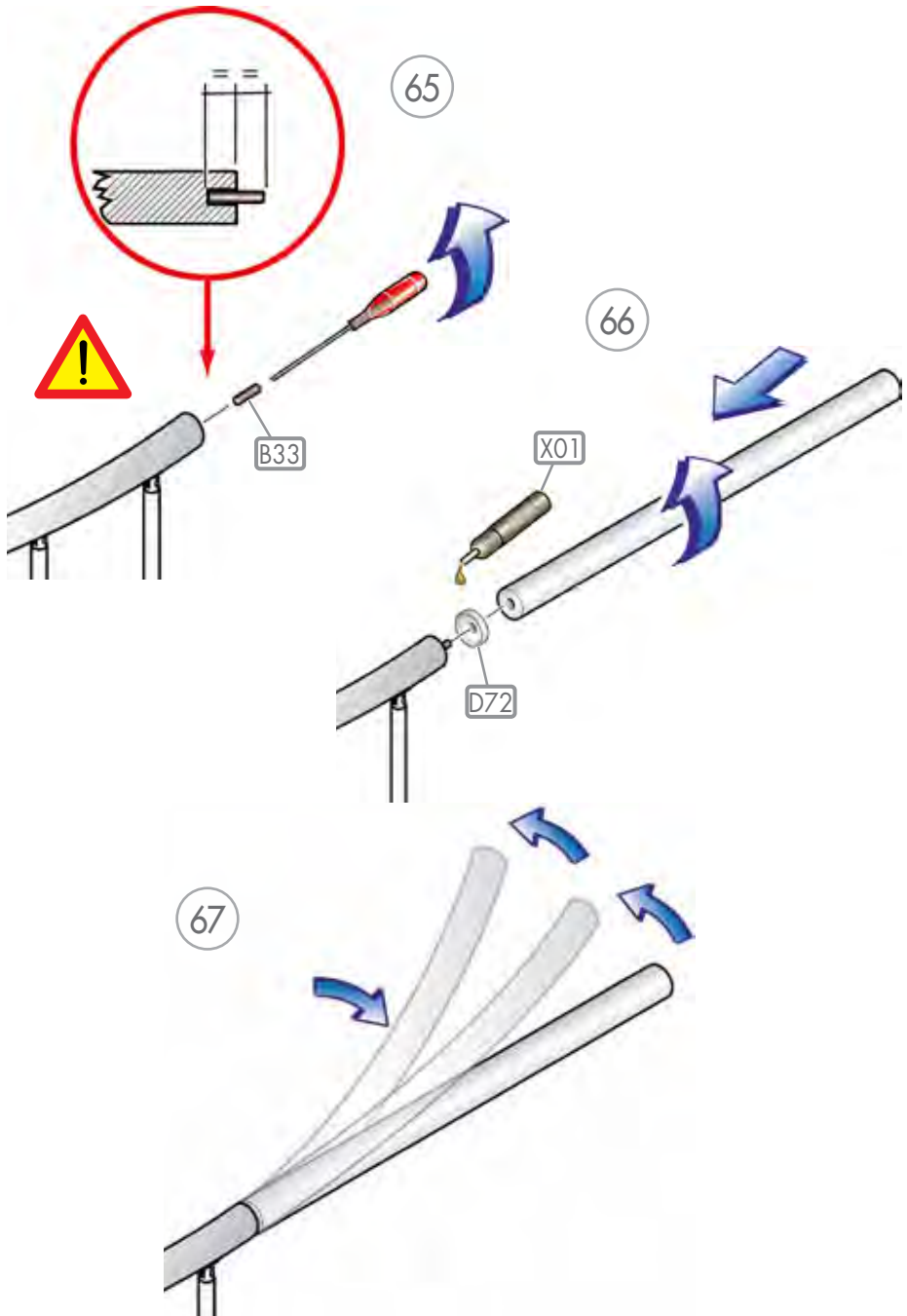
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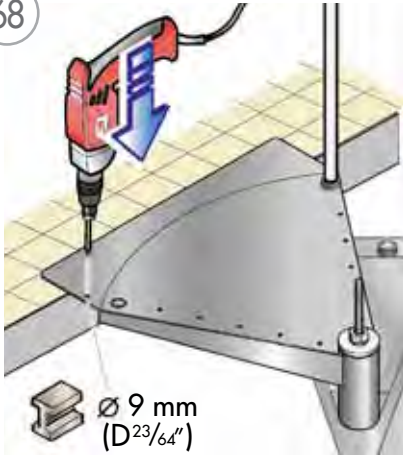
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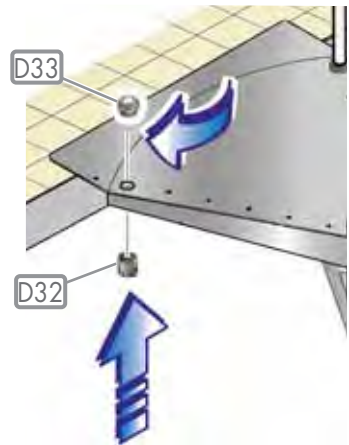




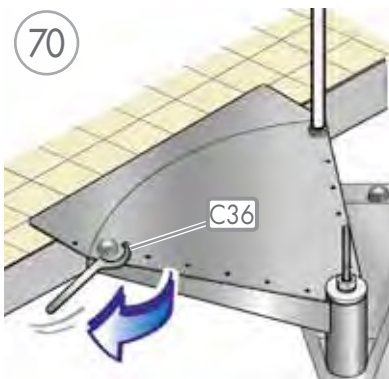
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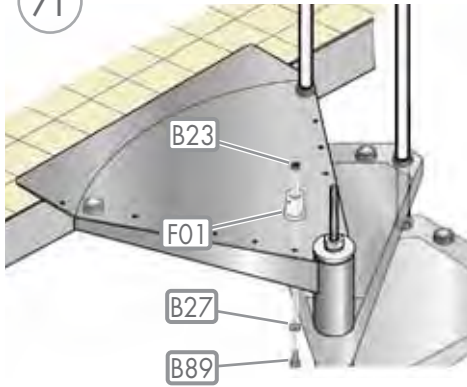
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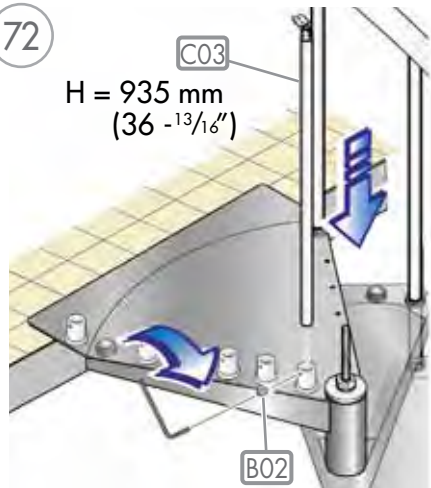
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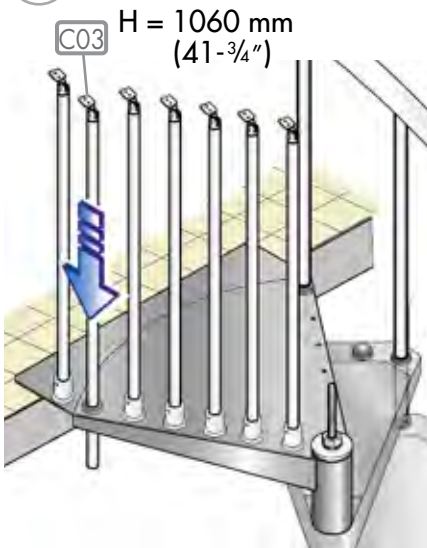
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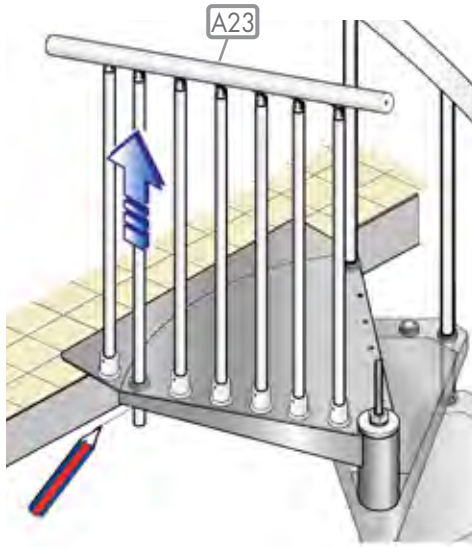
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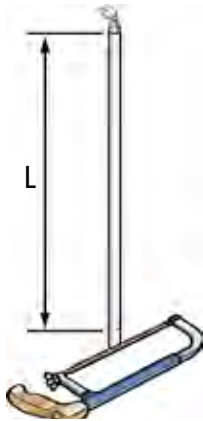
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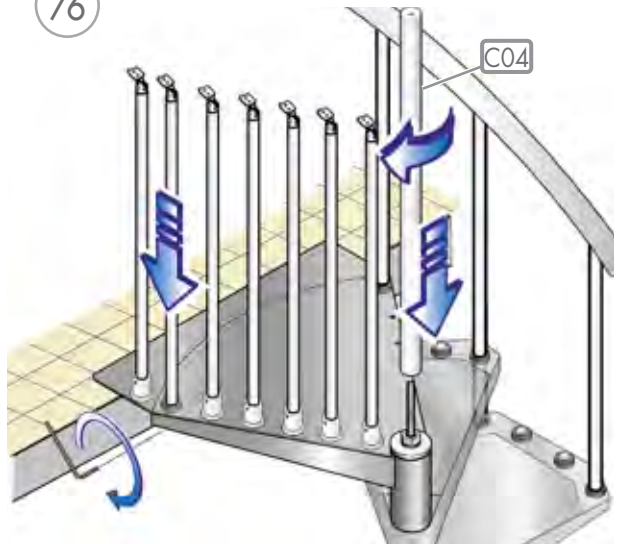
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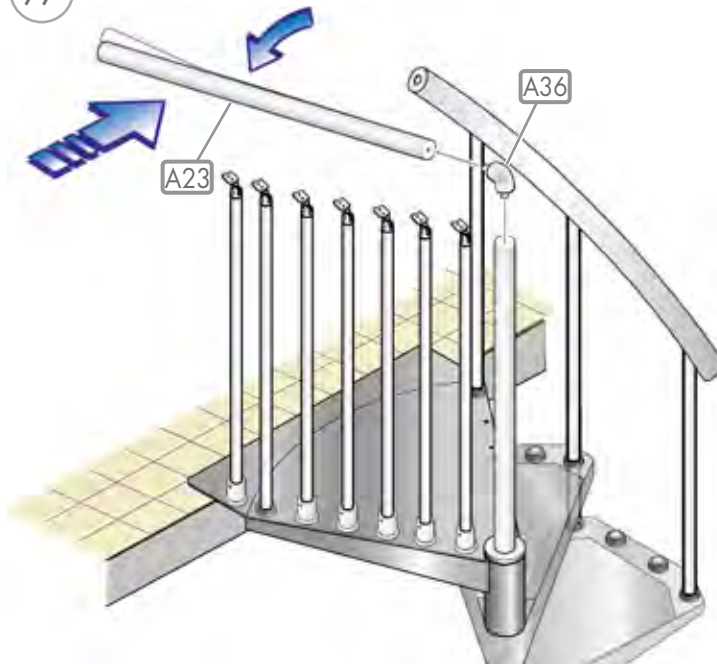
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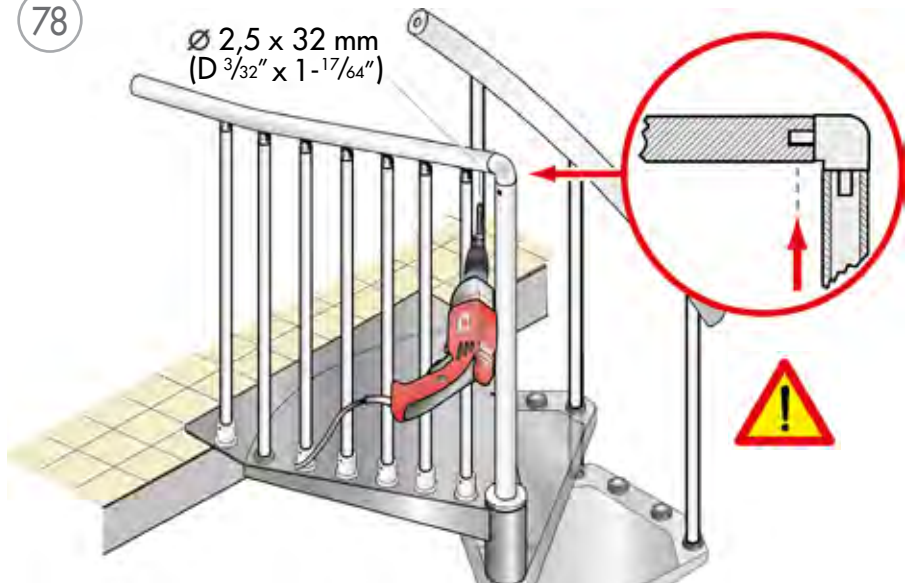
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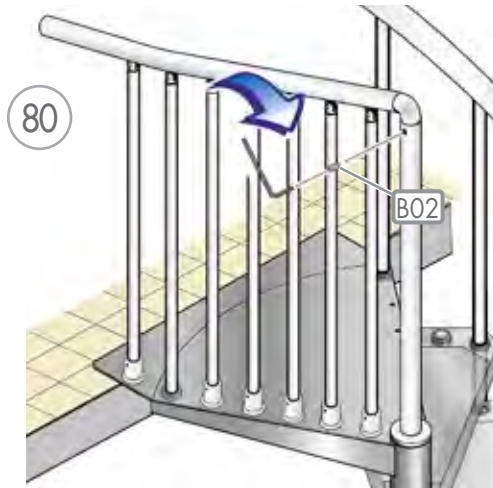
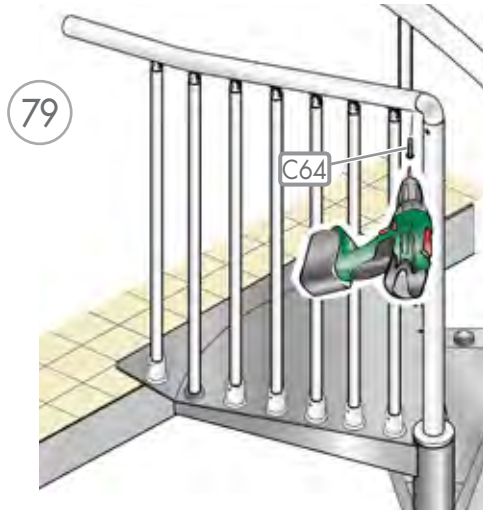


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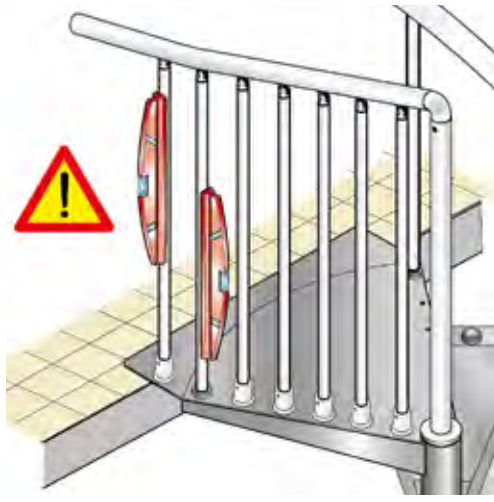


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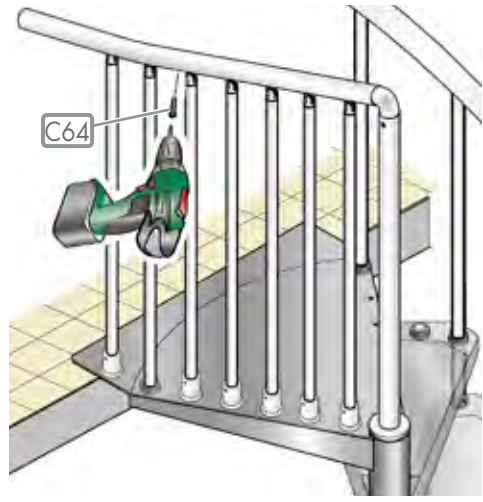




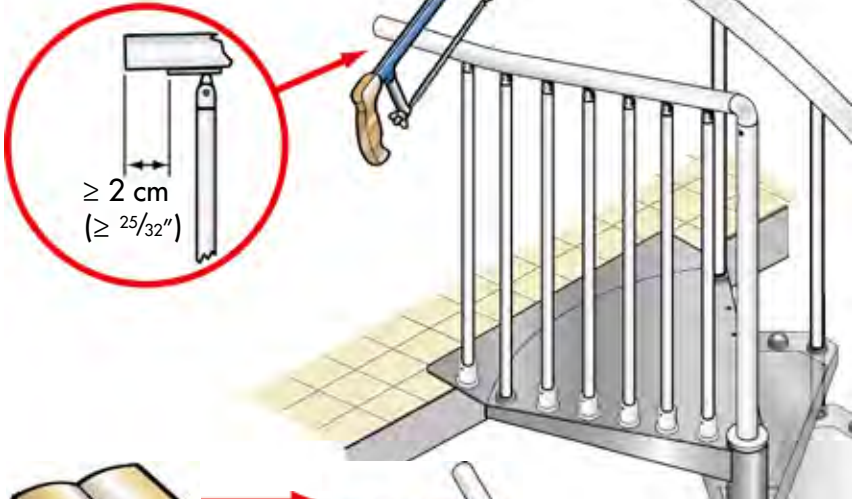
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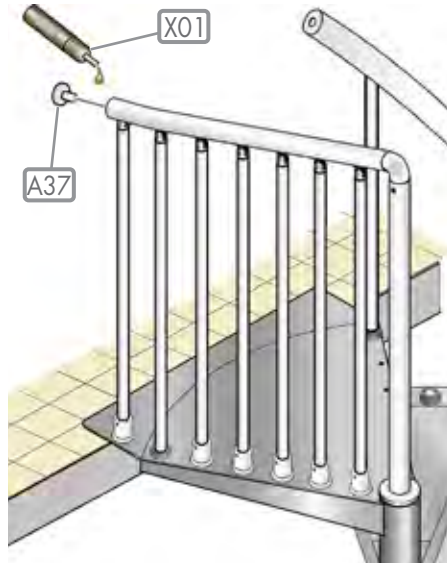
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83



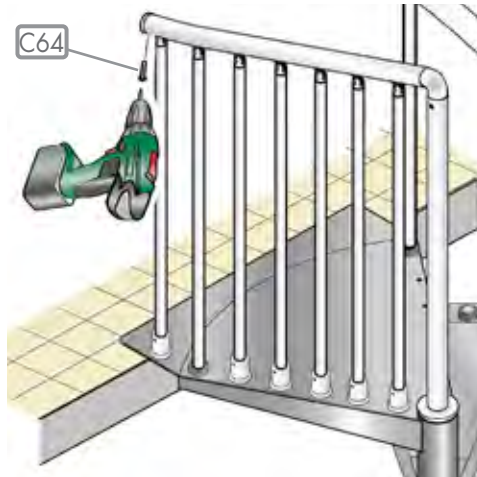
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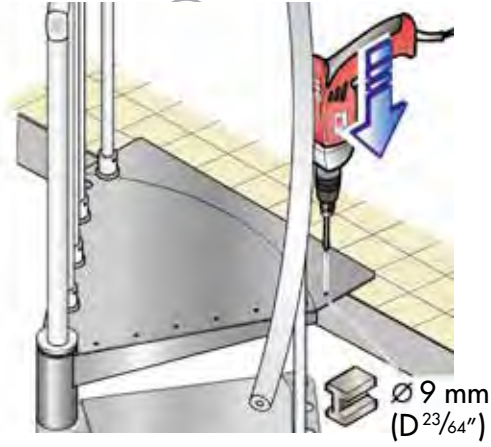


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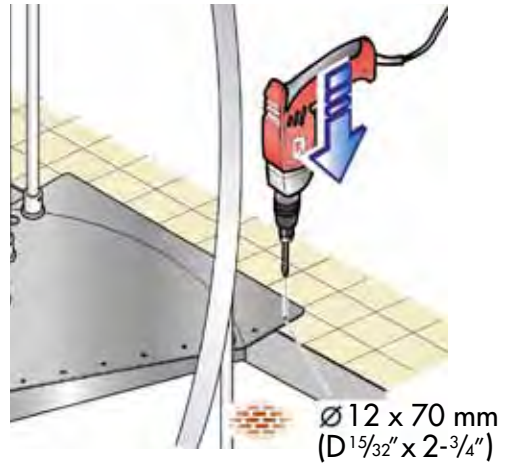
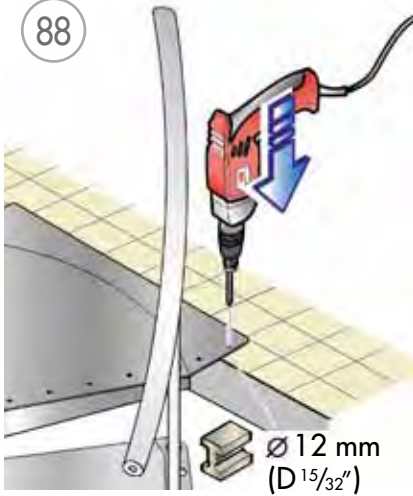


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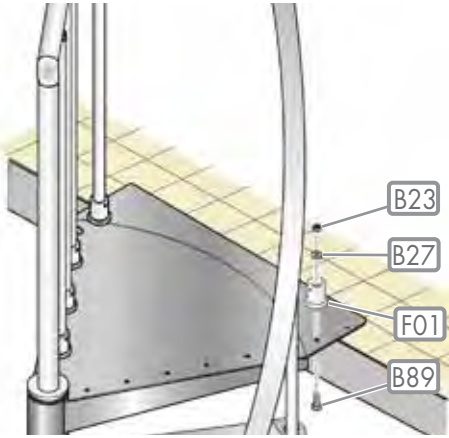




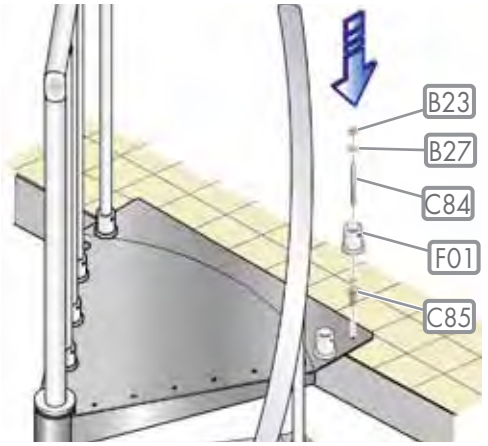
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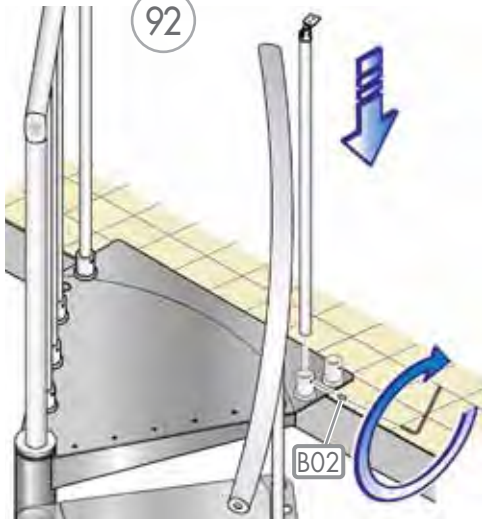
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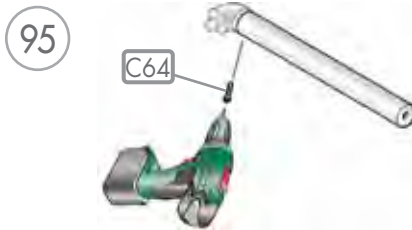
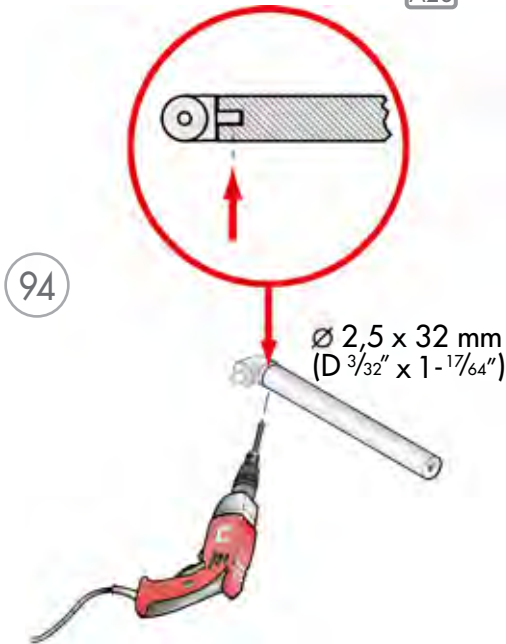
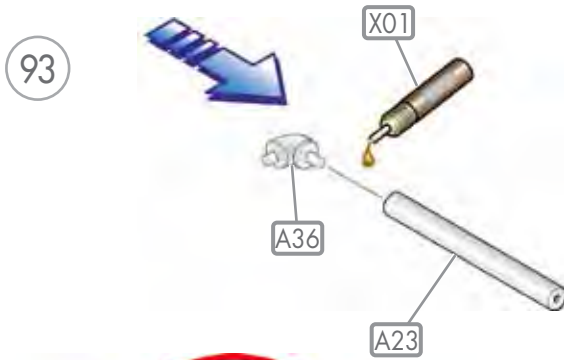


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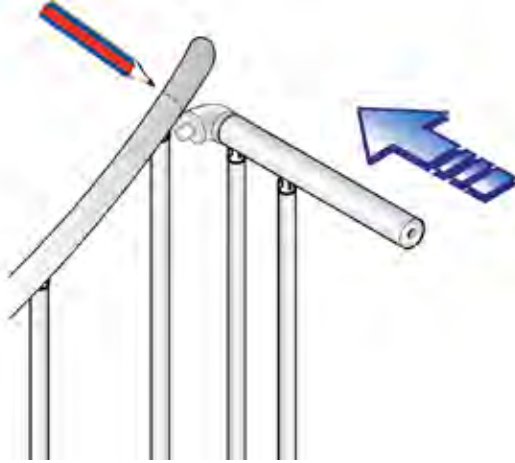


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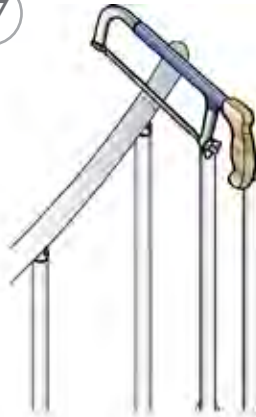




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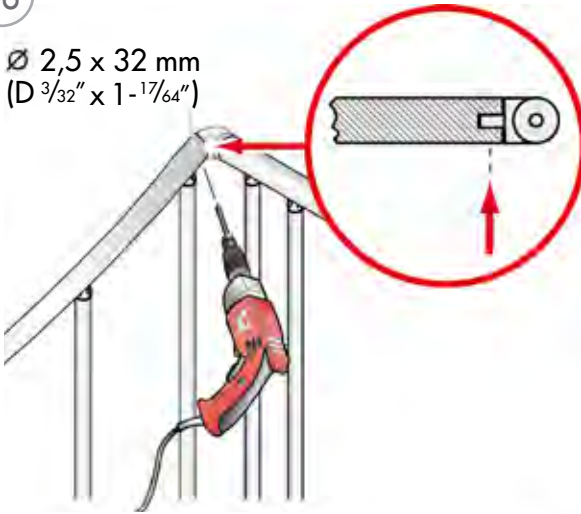


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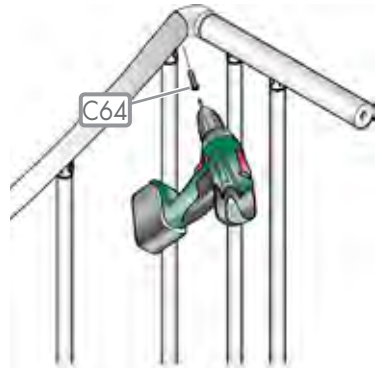


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∅ 2,5 x 32 mm
(D 3/32" x 1-17/64")

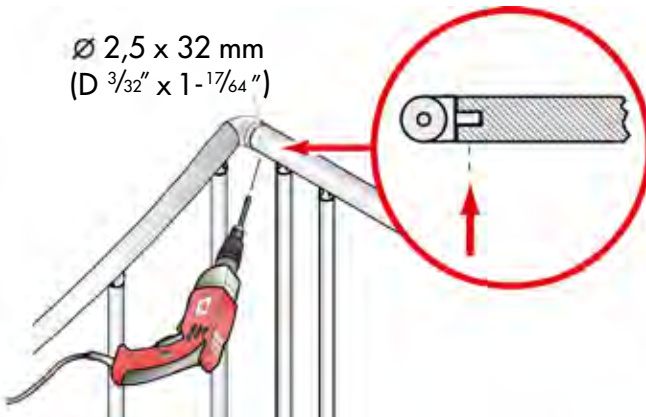


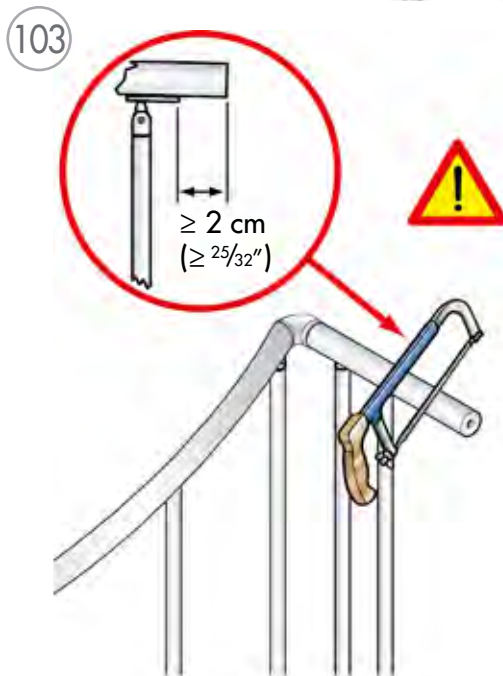
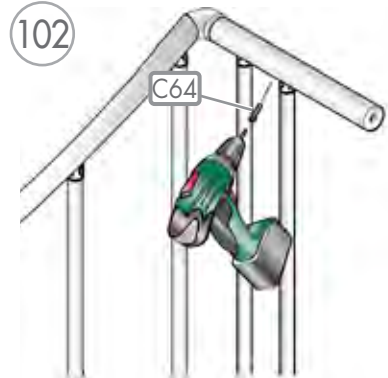
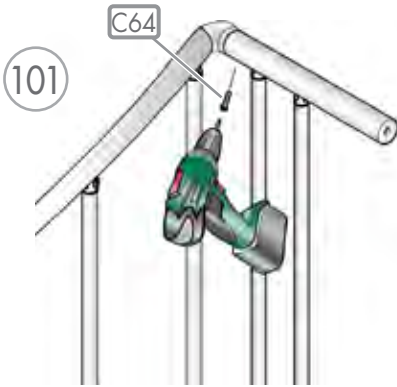
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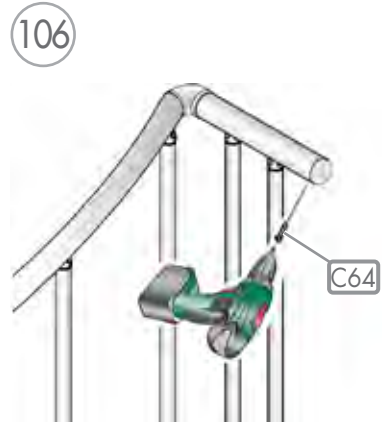
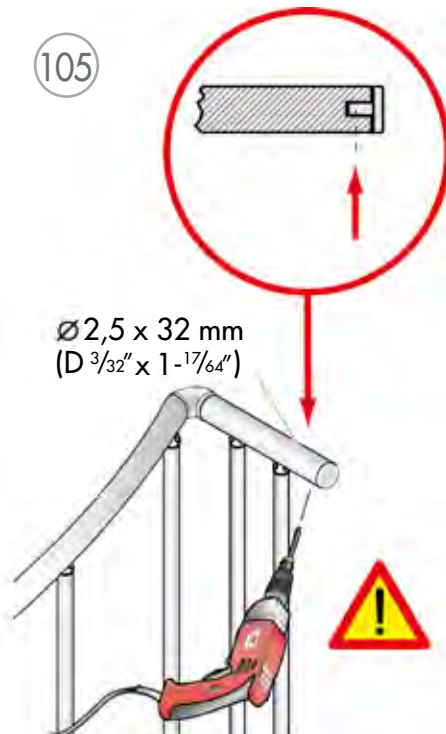
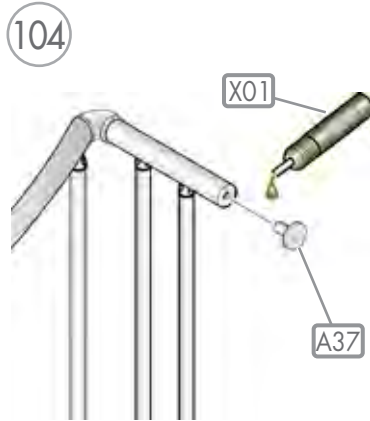


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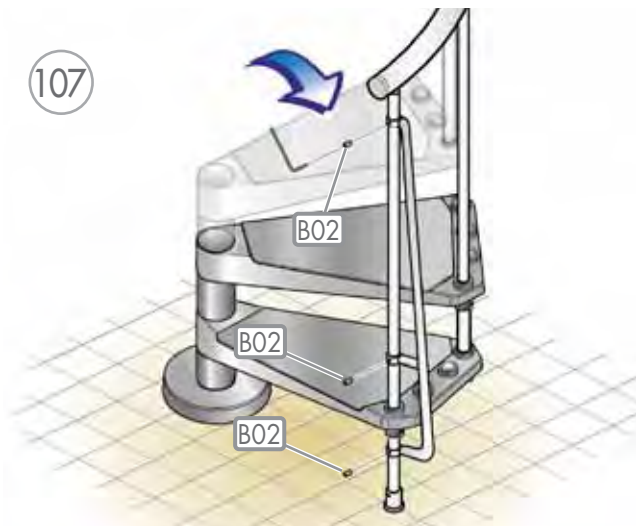
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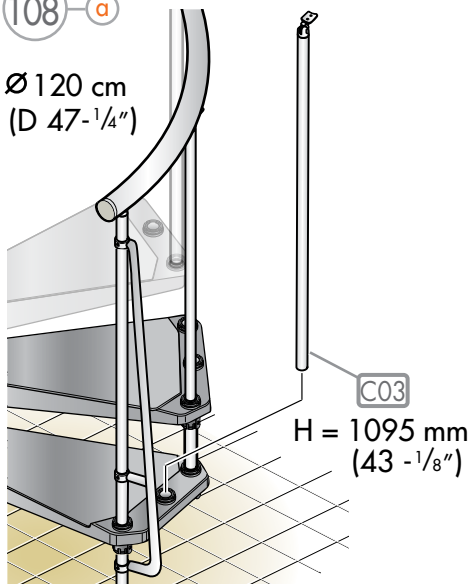


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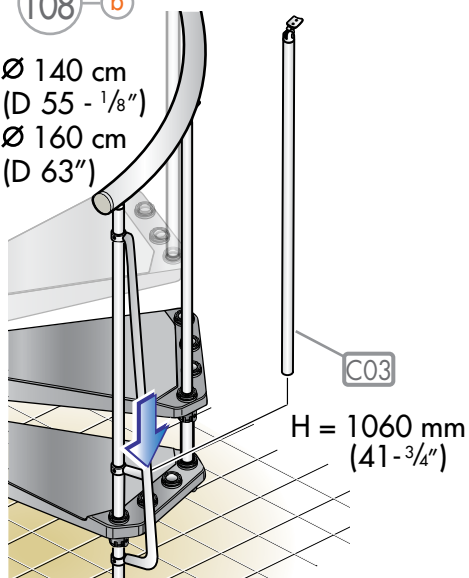
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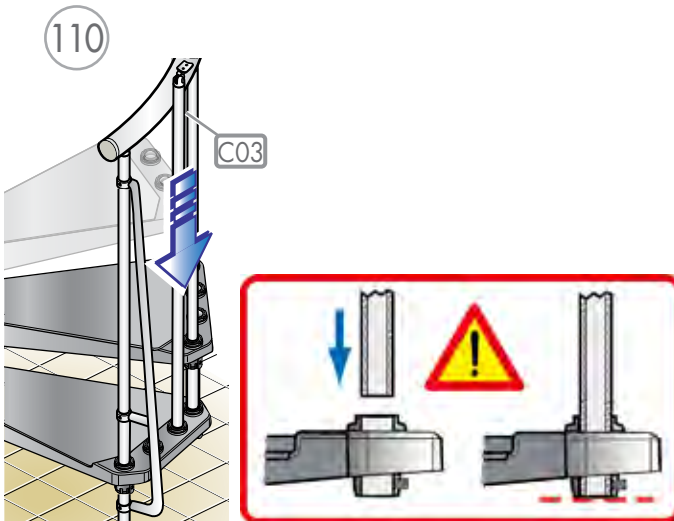
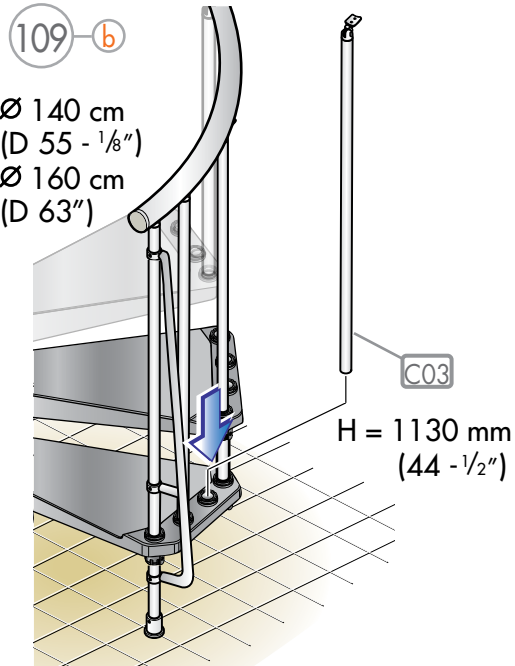
Ø 120 cm
(D 47-¹/₄"



108 b

Ø 140 cm
(D 55-¹/₈"
Ø 160 cm
(D 63"

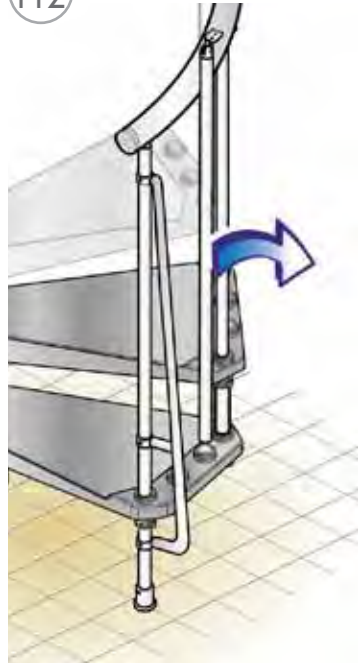




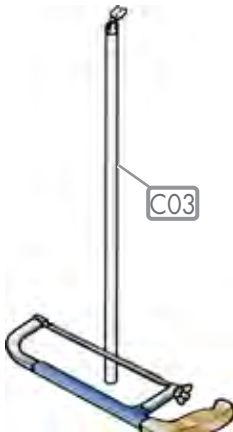
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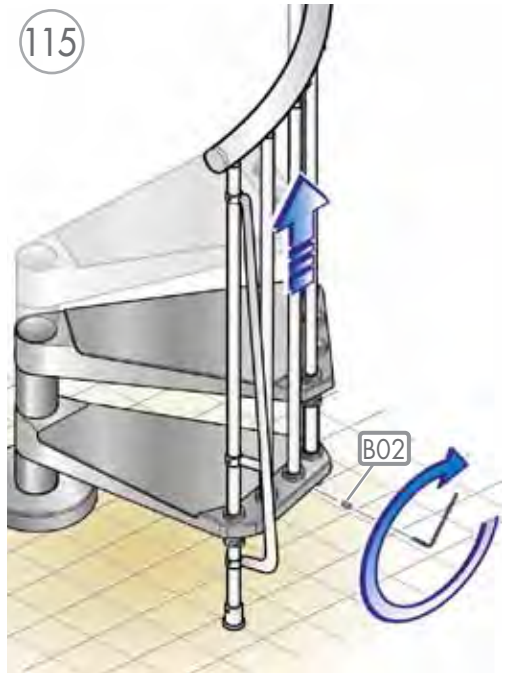
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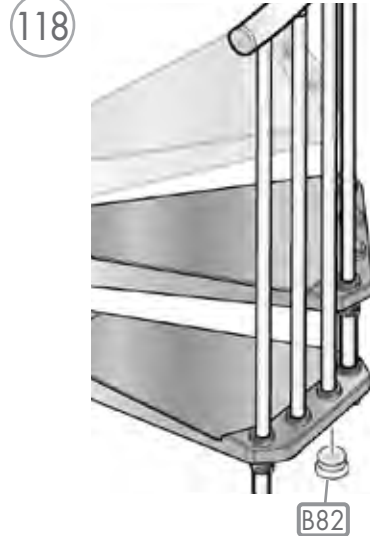
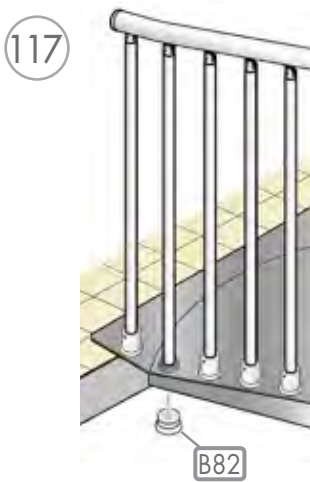
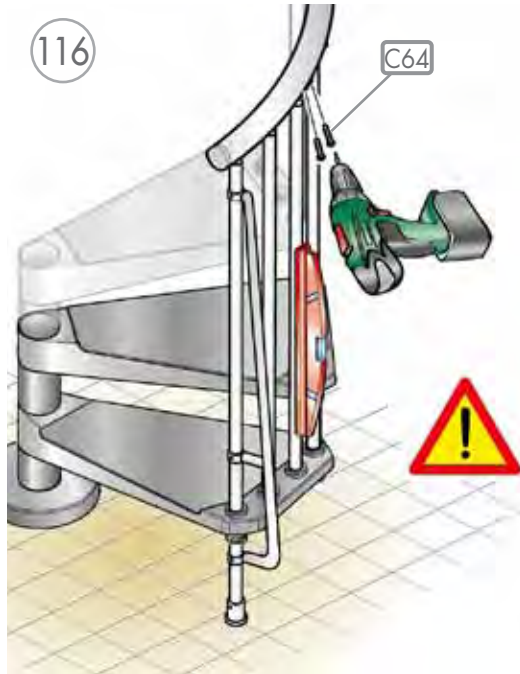


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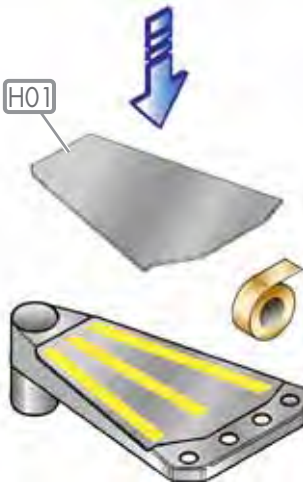


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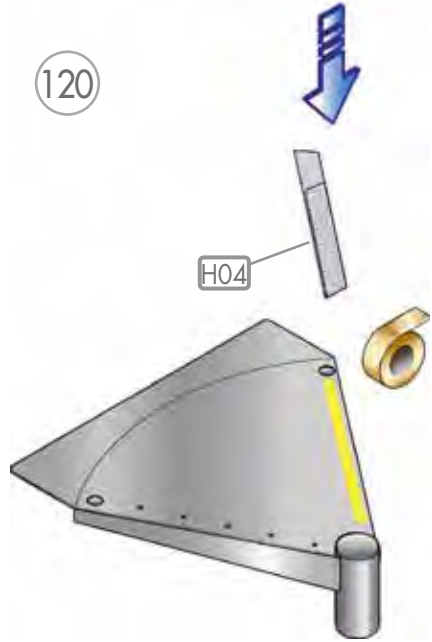




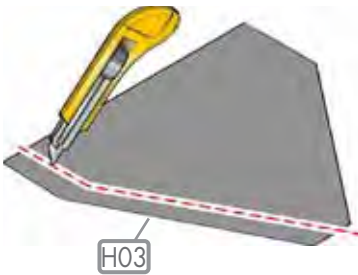
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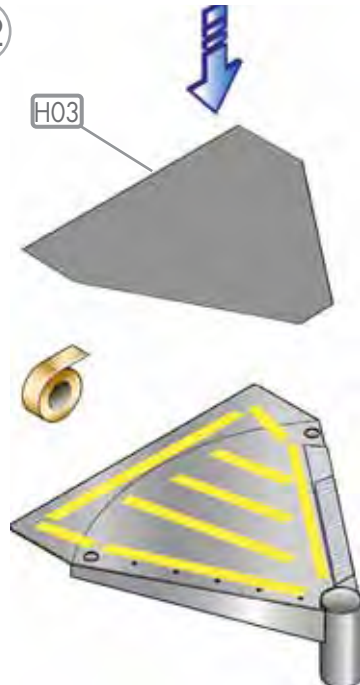
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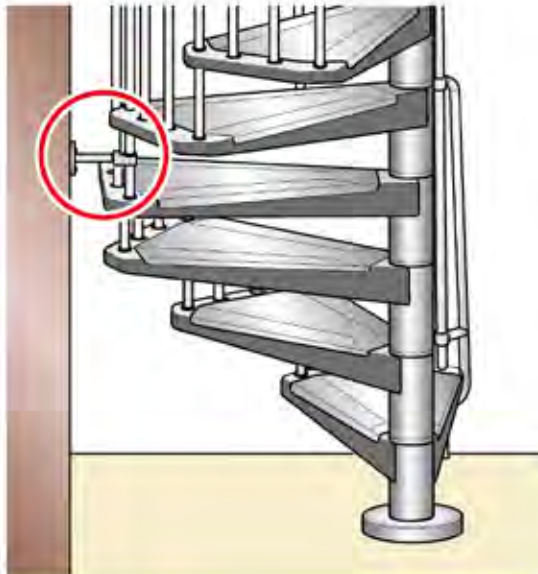
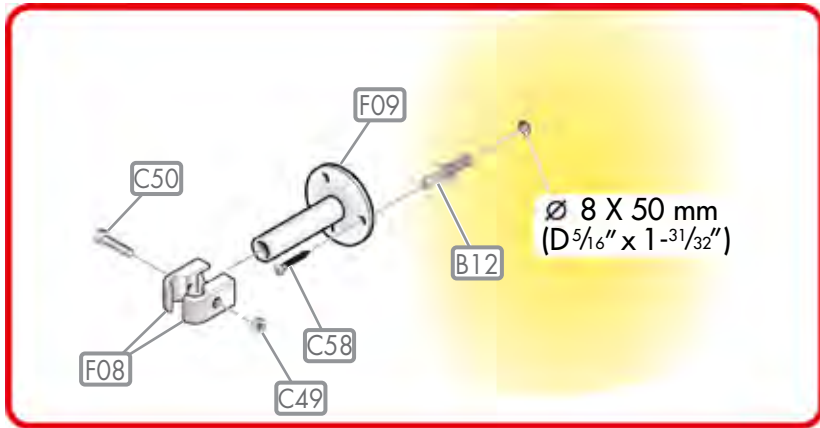


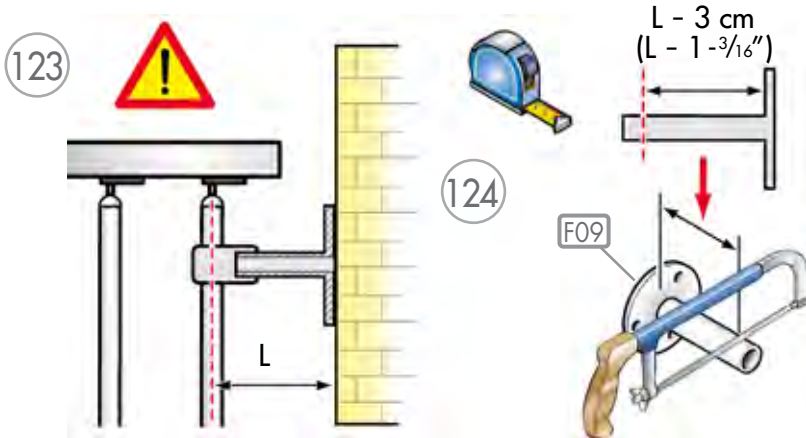
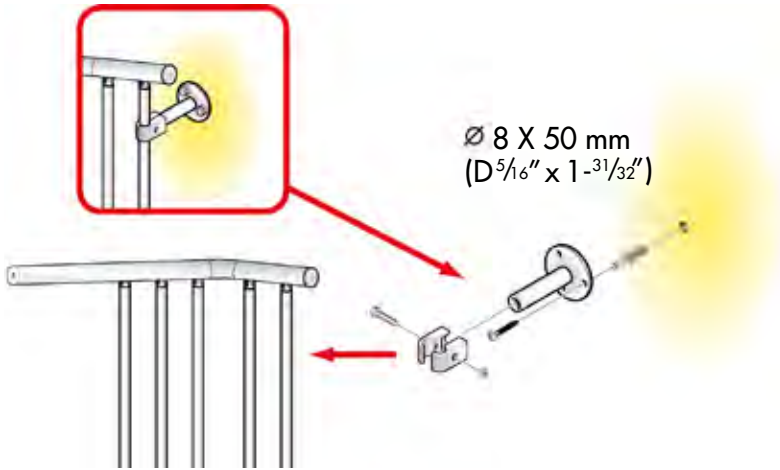
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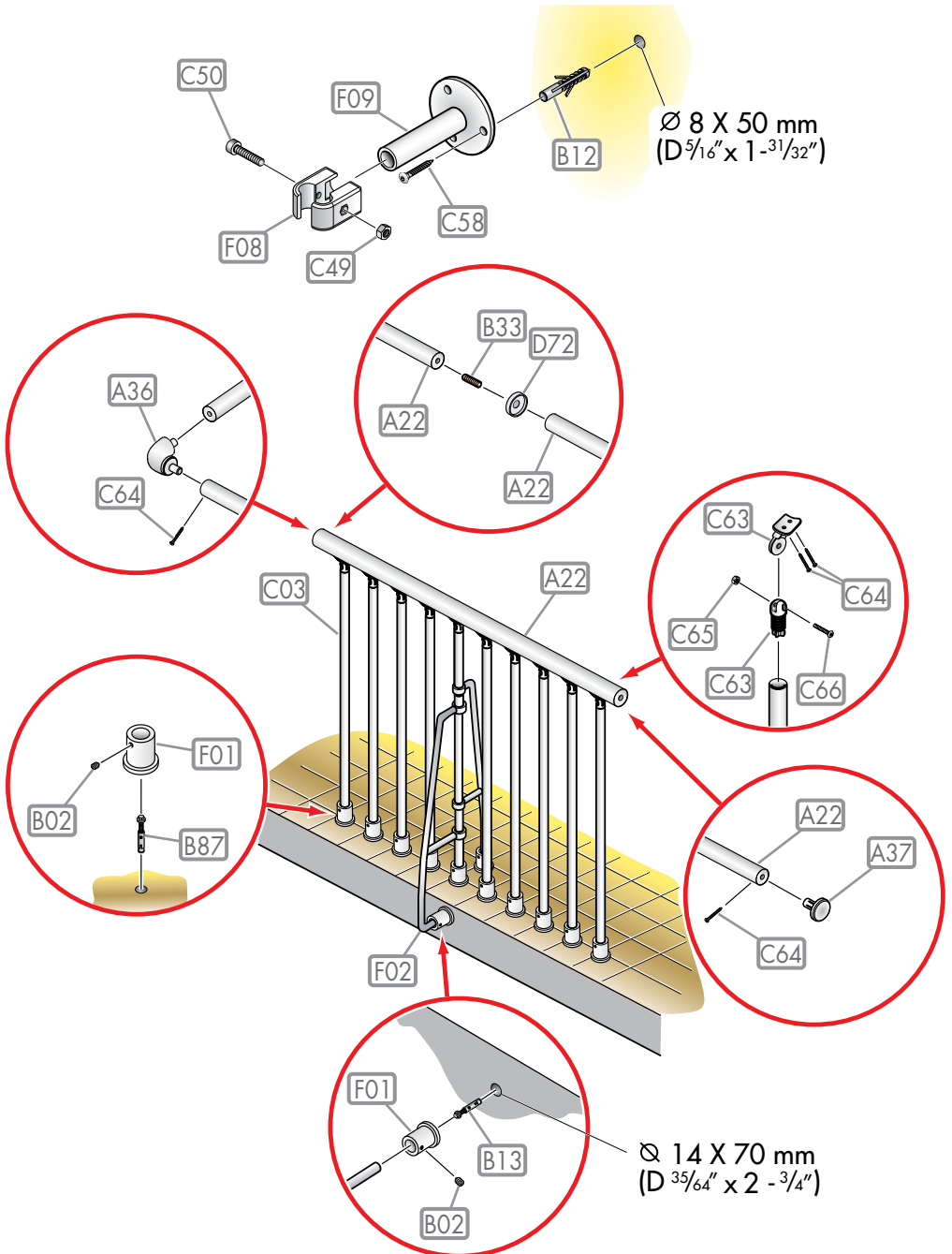


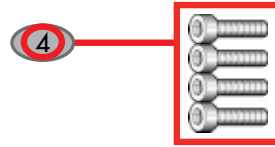
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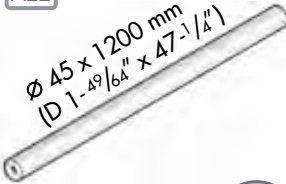







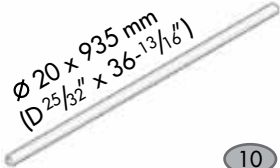











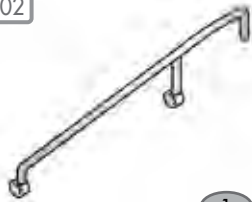





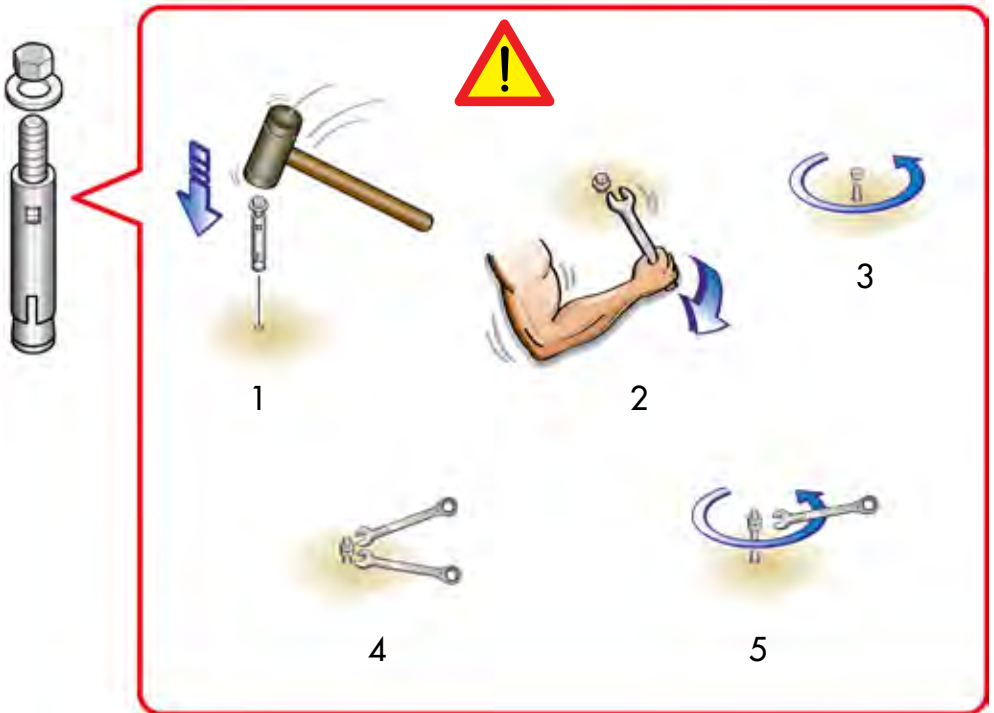
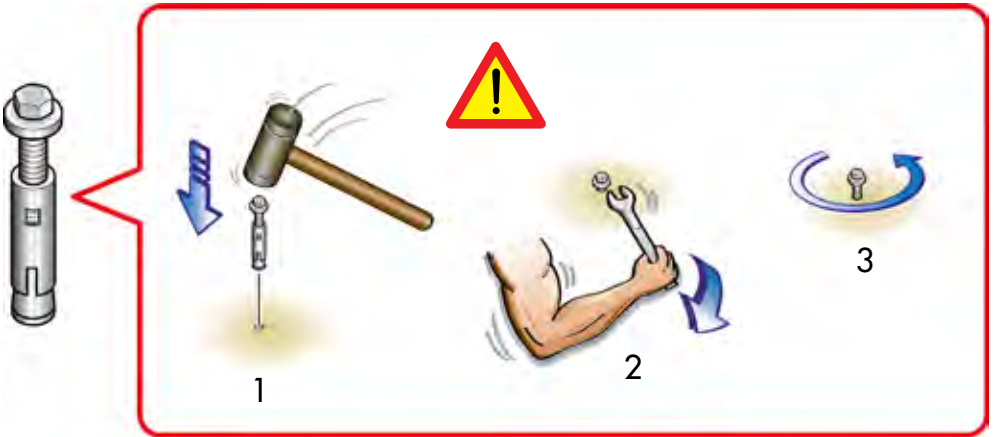






| | | |
|---|--|---|
| <p>A22</p> <p>$\varnothing 45 \times 1200$ mm (D 1-⁴⁹/₆₄" x 47-¹/₄")</p>  <p>1</p> | <p>A36</p>  <p>1</p> | <p>A37</p>  <p>2</p> |
| <p>B02</p>  <p>6 x 6 mm (¹⁵/₆₄" x ¹⁵/₆₄")</p> <p>13</p> | <p>B12</p>  <p>$\varnothing 8$ mm (D ⁵/₁₆")</p> <p>3</p> | <p>B13</p>  <p>M8 mm (M ⁵/₁₆")</p> <p>1</p> |
| <p>B33</p>  <p>M14 x 43 mm (M ³⁵/₆₄" x 1-¹¹/₁₆")</p> <p>1</p> | <p>B87</p>  <p>M6 mm (M ¹⁵/₆₄")</p> <p>10</p> | <p>C03</p> <p>$\varnothing 20 \times 935$ mm (D ²⁵/₃₂" x 36-¹³/₁₆")</p>  <p>10</p> |
| <p>C49</p>  <p>M6 mm (M ¹⁵/₆₄")</p> <p>1</p> | <p>C50</p>  <p>M6 x 25 mm (M ¹⁵/₆₄" x ⁶³/₆₄")</p> <p>1</p> | <p>C58</p>  <p>M6 x 40 mm (M ¹⁵/₆₄" x 1-³⁷/₆₄")</p> <p>3</p> |

| | | |
|--|--|--|
| <p>C63</p>  <p>10</p> | <p>C64</p>  <p>M3,5 x 38 mm (M⁹/₆₄" x 1-1/2")</p> <p>24</p> | <p>C65</p>  <p>M4 mm (M⁵/₃₂")</p> <p>10</p> |
| <p>C66</p>  <p>M4 x 14 mm (M⁵/₃₂" x 35/64")</p> <p>10</p> | <p>D72</p>  <p>1</p> | <p>F01</p>  <p>11</p> |
| <p>F02</p>  <p>1</p> | <p>F08</p>  <p>2</p> | <p>F09</p>  <p>1</p> |
| <p>X01</p>  <p>1</p> | | |

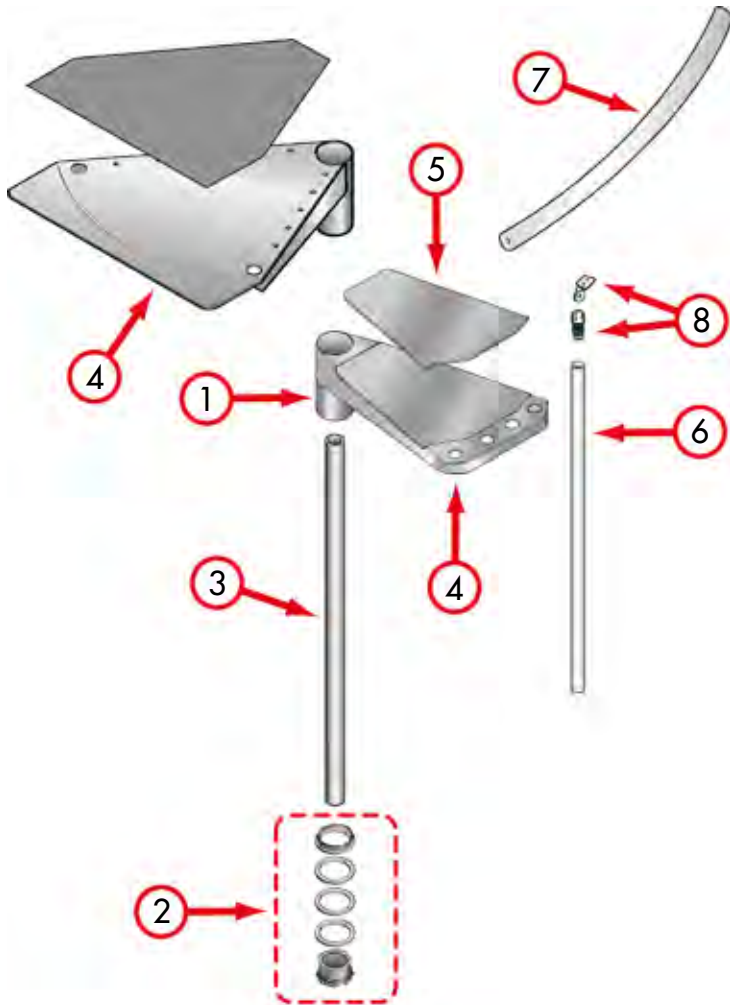




Italiano
Français
English
Español

DATI IDENTIFICATIVI DEL PRODOTTO
DONNÉES D'IDENTIFICATION DU PRODUIT
PRODUCT DETAILS
DATOS DE IDENTIFICACIÓN





(IT)

dati identificativi del prodotto

denominazione commerciale: **MASSALIA 030**

tipologia: scala a chiocciola a pianta tonda

materiali impiegati

STRUTTURA

descrizione

composta da distanziali (1) in metallo (saldati al gradino) e spessori (2) in plastica impilati e compressi sul palo (3) centrale modulare

materiali

distanziali: Fe 370

spessori: materiale plastico nylon

palo: Fe 370 zincato

finitura

distanziali: verniciatura a forno con polveri epossidiche

GRADINI

descrizione

gradini (4) in metallo circolari impilati sul palo (3) centrale corredati da un pannello (5) antiscivolo ed antiusura

materiali

gradini: lamiera Fe 370 spessore 25/10

pannello antiscivolo: polipropilene

finitura

gradini: verniciatura a forno con polveri epossidiche

RINGHIERA

descrizione

composta da colonnine (6) verticali in metallo fissate ai gradini (4) e da un corrimano (7) di PVC

materiali

colonnine: Fe 370

corrimano: PVC con anima in alluminio

fissaggi (8): nylon

finitura

colonnine: verniciatura a forno con polveri epossidiche

PULIZIA E MANUTENZIONE OBBLIGATORIA

Eseguire la pulizia della scala alla prima comparsa di macchie di sporco e depositi di polvere e periodicamente almeno ogni 6 mesi con panno morbido inumidito in acqua e detergenti specifici non abrasivi ed aggressivi. NON usare mai pagliette abrasive o in ferro. Pulire ed asciugare accuratamente dopo il lavaggio con un panno in microfibra al fine di eliminare gli aloni del calcare presente nell'acqua. Dopo circa 12 mesi dalla data di installazione, controllare il serraggio della viteria dei vari componenti. Al verificarsi di qualsiasi minimo malfunzionamento è obbligatorio effettuare una manutenzione straordinaria, da eseguire subito e a regola d'arte.

PRECAUZIONI D'USO

Evitare usi impropri e non consoni al prodotto. Eventuali manomissioni o installazioni non rispondenti alle istruzioni del produttore possono inficiare le conformità prestabilite del prodotto.

(FR)

données d'identification du produit

denomination commerciale: **MASSALIA 030**

typologie: escalier en colimaçon à plan rond

matériaux utilisés

STRUCTURE

description

composée de entretoises (1) en métal (soudées à la marche) et cales (2) en plastique empilées et comprimées sur le pylône (3) modulaire central

matériaux

entretoises: Fe 370

cales: nylon

pylône: Fe 370 galvanisé

finition

cales: vernissage à chaud avec poudres époxy

MARCHES

description

marches (4) en métal circulaires ou en éventail empilées sur le pylône (3) central équipées d'un panneau (5) antidérapant et antiusure

matériaux

marches: tôle Fe 370, épaisseur 25/10

panneau antidérapant: polypropylène

finition

marches: vernissage à chaud avec poudres époxy

GARDE-CORPS

description

composé de colonnettes (6) verticales en métal fixées aux marches (4) et d'une main courante (7) en PVC

matériaux

colonnettes: Fe 370

main courante: PVC avec noyau en aluminium

fixations (8): nylon

finition

colonnettes: vernissage à chaud avec poudres époxy

NETTOYAGE ET MAINTENANCE OBLIGATOIRE

Nettoyer les marches dès que des taches de saleté ou des dépôts de poussière apparaissent; effectuer également un nettoyage périodique, tous les 6 mois, à l'aide d'un chiffon doux, humecté d'eau et de détergents spécifiques non abrasifs et non agressifs. NE JAMAIS utiliser de la paille de fer abrasive. Après lavage, nettoyer et essuyer soigneusement avec un chiffon en microfibre, afin d'éliminer les auréoles provoquées par le calcaire contenu dans l'eau. Environ 12 mois après la date d'installation, contrôler le serrage des vis des différents composants. À la moindre défaillance, il est obligatoire d'effectuer immédiatement une maintenance corrective, dans les règles de l'art.

PRECAUTION D'UTILISATION

Eviter l'utilisation improprie et non conforme au produit. D'éventuelles alterations ou installations non correspondantes aux instructions du producteur peuvent invalider les conformités préétablies du produit.

EN)

product details

trade name: **MASSALIA 030**

type: spiral round staircase

used materials

STRUCTURE

description

composed of metal spacers (1) (welded to the tread) and of plastic spacers (2) stacked and packed on the central modular pole (3)

materials

spacers: Fe 370

plastic spacers: nylon

pole: Fe 370 galvanized

finishing

spacers: oven varnishing with epoxy powders

TREADS

description

circular metal treads (4) stacked on the central pole (3) equipped by an antiskid and antiwear panel (5)

materials

treads: plate Fe 370 thickness 25/10

antiskid panel: polypropylene

finishing

treads: oven varnishing with epoxy powders

RAILING

description

composed of vertical metal balusters (6) fixed to the treads (4) and of a PVC handrail (7)

materials

balusters: Fe 370

handrail: PVC with aluminium core

fixings (8): nylon

finishing

balusters: oven varnishing with epoxy powders

OBLIGATORY CLEANING AND MAINTENANCE

Clean the treads as soon as dirt spots and dust deposits appear and at least every 6 months using a soft cloth moistened with water and specific non-abrasive and non-aggressive detergents. NEVER use abrasive scourers. After cleaning, thoroughly dry the surfaces with a microfibre cloth to remove the haloes that form because of the limestone in the water. Approximately 12 months from the date of installation, check tightness of the screws of the various components. Should even the smallest malfunction occur, it is obligatory to immediately and professionally carry out extraordinary maintenance.

USE PRECAUTION

Avoid any improper use that is not in accordance with the product. Possible violations or installations which don't comply with the providers instructions can invalidate the agreed product conformities.

ES)

datos de identificación del producto

denominación comercial: **MASSALIA 030**

tipo: escalera de caracol de planta redonda

materiales empleados

ESTRUCTURA

descripción

compuesta por distanciadores (1) de metal (soldados al escalón) y espaciadores (2) de plástico enfilados y comprimidos en la columna (3) central modular.

materiales

distanciadores: Fe 370

espaciadores: nylon

columna central: Fe 370 galvanizado

acabado

distanciadores: barnizado en horno con polvos epoxídicos

PELDAÑOS

descripción

peldaños (4) de metal circulares enfilados en la columna (3) central y dotados de un panel (5) antideslizante y antidesgaste

materiales

peldaños: chapa Fe 370, grosor 25/10

panel antideslizante: polipropileno

acabado

peldaños: barnizado en horno con polvos epoxídicos

BARANDILLA

descripción

compuesta por barrotes (6) verticales de metal fijados a los peldaños (4) y por un pasamanos (7) de PVC

materiales

barrotes: Fe 370

pasamanos: PVC con alma de aluminio

fijaciones (8): nylon

acabado

barrotes: barnizado en horno con polvos epoxídicos

LIMPIEZA Y MANTENIMIENTO OBLIGATORIO

Realizar la limpieza de la escalera en cuanto aparezcan manchas de suciedad y depósitos de polvo, y periódicamente al menos cada 6 meses, con un paño suave humedecido en agua y detergentes específicos no abrasivos ni agresivos. NO utilizar nunca lanas abrasivas o de hierro. Limpiar y secar bien después del lavado utilizando un paño de microfibra para eliminar las aureolas de cal dejadas por el agua.

Transcurridos unos 12 meses desde la fecha de instalación, comprobar que los tornillos que fijan las distintas partes sigan bien apretados. Ante el menor defecto de funcionamiento, es obligatorio realizar un mantenimiento extraordinario según las reglas del arte.

PRECAUCIONES DE USO

Evitar usos impropios y no conformes con el producto. Eventuales manipulaciones o instalaciones que no cumplan con las instrucciones del fabricante pueden menoscabar las cualidades certificadas en las pruebas de conformidad a las que previamente fue sometido el producto.



MAS 030
D.U.M.
11/2017



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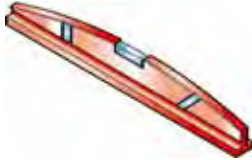
email : info@echelle-europeenne.com
www.echelle-europeenne.com
www.escaliers-echelle-europeenne.com



L'ECHELLE
EUROPEENNE



MASSALIA 050 INOX



PH 2



12 mm ($15/32''$)
13 mm ($33/64''$)



2,5 mm ($3/32''$)
3 mm ($1/8''$)
5 mm ($13/64''$)
6 mm ($15/64''$)
12 mm ($15/32''$)



Ø 8 x 120 mm
(D $5/16''$ x 4- $23/32''$)
Ø 12 x 120 mm
(D $15/32''$ x 4- $23/32''$)
Ø 14 x 150 mm
(D $35/64''$ x 5- $29/32''$)

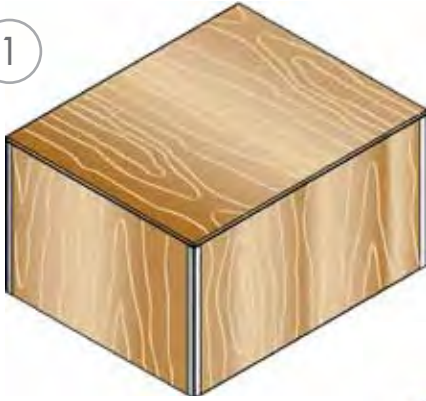


13 mm ($33/64''$)
17 mm ($43/64''$)
19 mm ($3/4''$)
30 mm ($1-3/16''$)

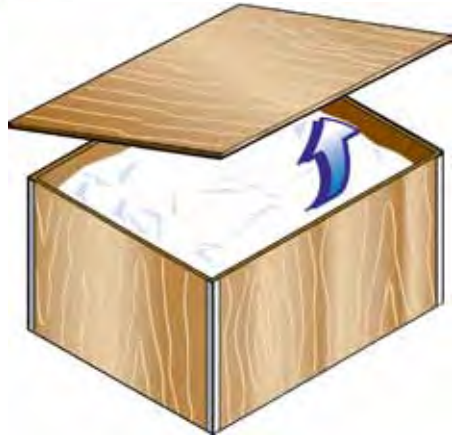


Ø 2,5 mm (D $3/32''$)
Ø 3,5 mm (D $9/64''$)
Ø 4,5 mm (D $11/64''$)
Ø 9 mm (D $23/64''$)
Ø 12 mm (D $15/32''$)

1



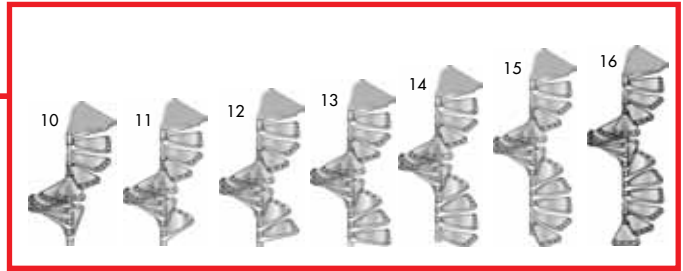
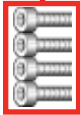
2



3



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 2 | 2 | 4 | 5 | 6 | |



Ø 120 cm
(D 47-¹/₄")



"A"

Ø 140 cm
(D 55-¹/₈")



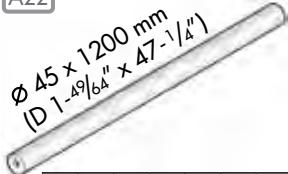
"B"

Ø 160 cm
(D 63")



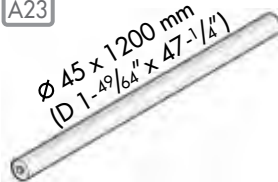
"C"

A22



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 5 | 5 | 6 | 6 | 6 |

A23



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

A28



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 25 | 25 | 30 | 30 | 35 | 35 | 35 |

A36



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

A37



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 |

A41



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 15 | 15 | 20 | 20 | 25 | 25 | 25 |

B02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 31 | 33 | 35 | 37 | 39 | 41 | 43 |
| B | 30 | 32 | 34 | 36 | 38 | 40 | 42 |
| C | 31 | 33 | 35 | 37 | 39 | 41 | 43 |

B03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B05



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B12



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

B13



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 |

B17



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B23



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

B27



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

B33



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 4 | 4 | 5 | 5 | 5 |

B46



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B47



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 2 | 2 | 2 |

B74



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B76



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B82



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| B | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

B89



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

BA2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BA6



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

BA9



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BB1



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

BB2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

BB4



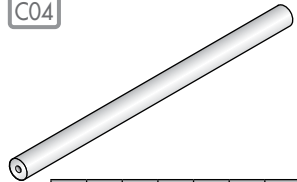
| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 18 | 20 | 22 | 24 | 26 | 28 | 30 |

BG1



| | | | | | | |
|----|----|----|----|-----|-----|-----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 80 | 85 | 90 | 95 | 100 | 105 | 110 |

C04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

C13



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

C49



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

C50



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

C58



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

C63



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C64



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 38 | 40 | 42 | 44 | 46 | 48 | 50 |

C65



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C66



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C76



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 60 | 60 | 60 | 60 | 60 | 60 | 60 |

C77



| | | | | | | |
|----|----|----|----|-----|-----|-----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 80 | 85 | 90 | 95 | 100 | 105 | 110 |

C84



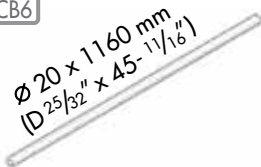
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

C85



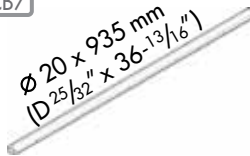
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

CB6



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

CB7



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

D01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 4 | 3 | 3 | 3 | 3 |

D02



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

D03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 50 | 55 | 60 | 65 | 70 | 75 | 80 |

D04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

D05



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| A | 1 | 1 | 1 | 1 | 1 | 1 |
| B | 1 | 1 | 1 | 1 | 1 | 1 |
| C | 0 | 0 | 0 | 0 | 0 | 0 |

D12



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| A | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 1 | 1 | 1 | 1 | 1 | 1 |

D14



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

D32



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

D33



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

D38



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

D40



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

D72



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 3 | 3 | 4 | 4 | 5 | 5 | 5 |

E03



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F01



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

F07



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F08



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| B | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

F09



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

G01



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

G02



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 |

G03



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H01



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

H03



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

L02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

L02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

B96



C36



X01



IT) ATTENZIONE!

Leggere e seguire scrupolosamente queste istruzioni e tenere per future consultazioni.

Eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR) ATTENTION !

Lire et respecter scrupuleusement les présentes instructions ; les conserver pour toute autre consultation.

Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

EN) WARNING!

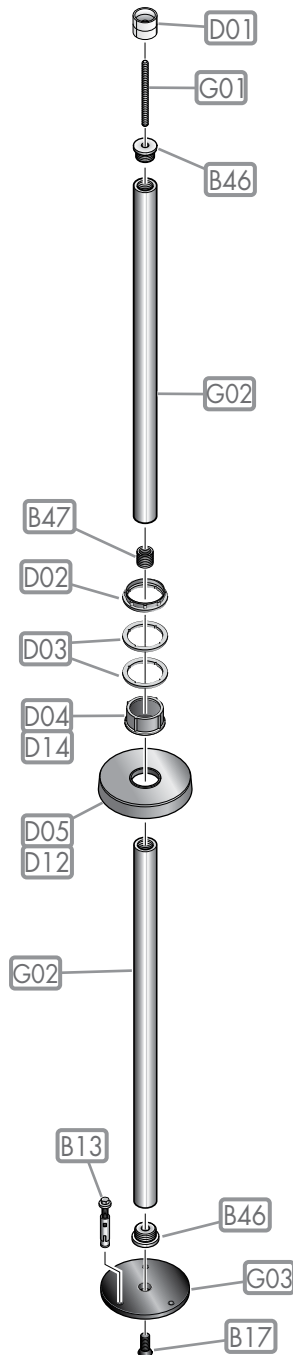
Carefully read and strictly follow these instruction and keep them for future consultation.

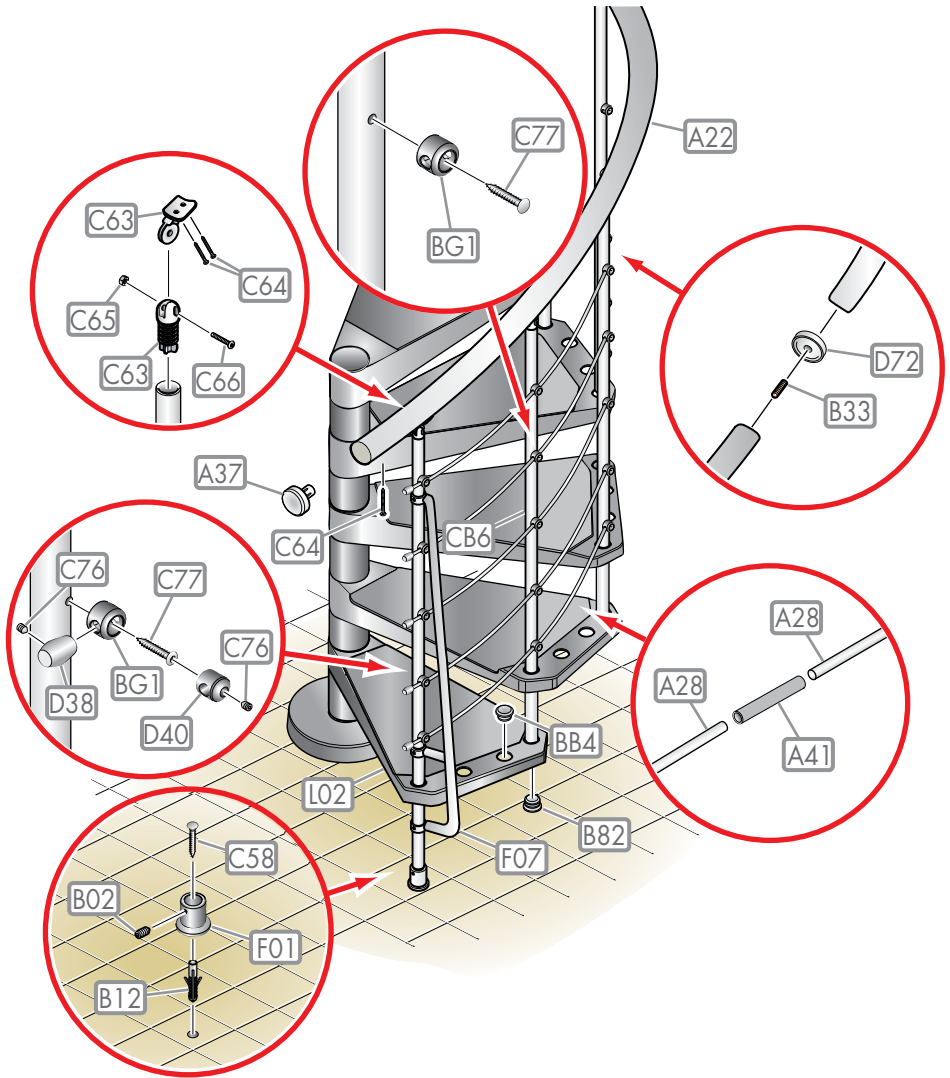
Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public...).

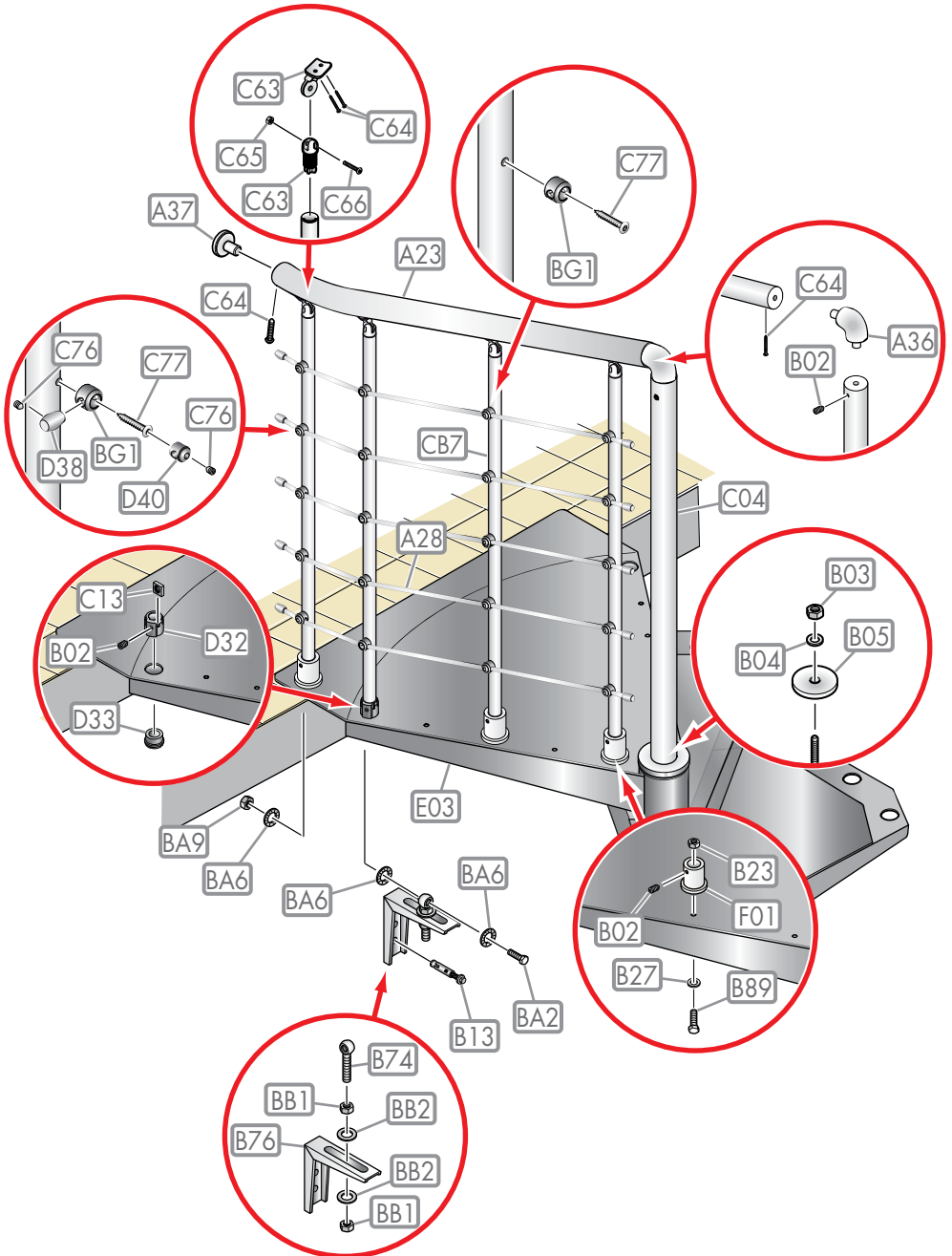
ES) ¡ATENCIÓN!

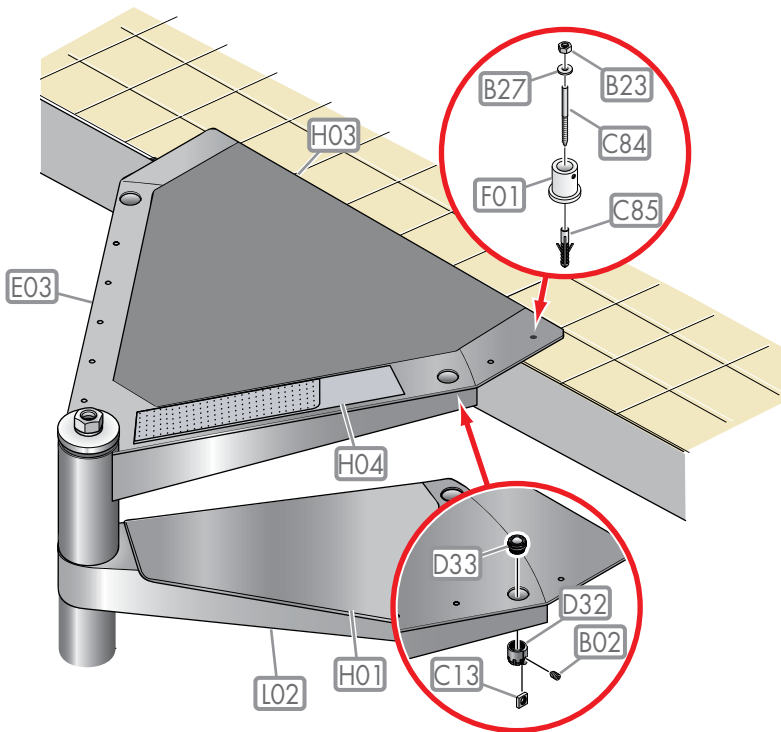
Leer y seguir estrictamente estas instrucciones y conservarlas para consultas futuras.

Realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).









IT)



**IMPORTANTE!
LEGGERE E SEGUIRE SCRUPolosAMENTE QUESTE ISTRUZIONI
E TENERE PER FUTURE CONSULTAZIONI**

ATTENZIONE: eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR)



**IMPORTANT !
LIRE ET RESPECTER SCRUPULEUSEMENT LES PRÉSENTES
INSTRUCTIONS ; LES CONSERVER POUR TOUTE AUTRE
CONSULTATION**

ATTENTION : Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

EN)



**IMPORTANT!
CAREFULLY READ AND STRICTLY FOLLOW THESE INSTRUCTIONS
AND KEEP THEM FOR FUTURE CONSULTATION**

WARNING: Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public,...)

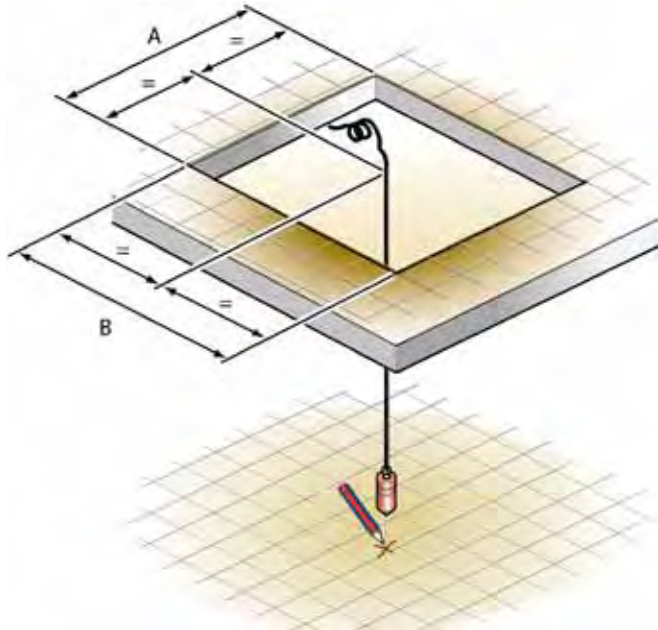
ES)



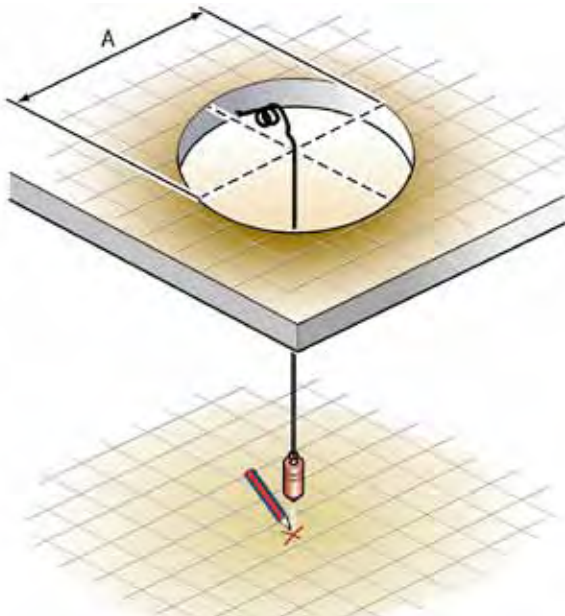
**¡IMPORTANTE!
LEER Y SEGUIR EstrictAMENTE ESTAS INSTRUCCIONES Y
CONSERVARLAS PARA CONSULTAS FUTURAS**

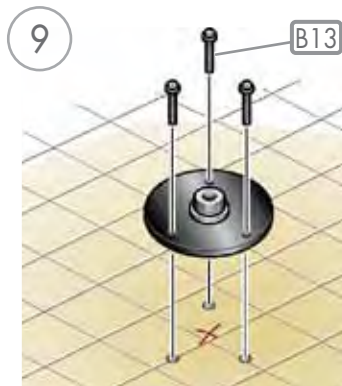
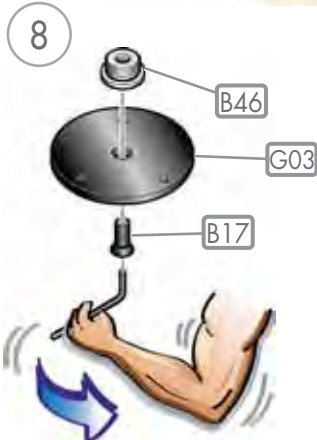
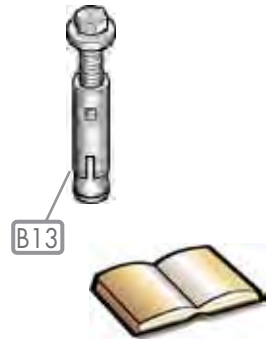
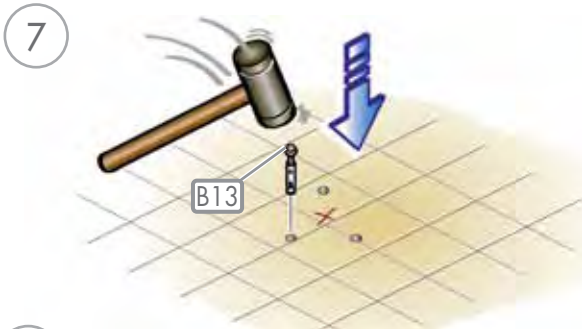
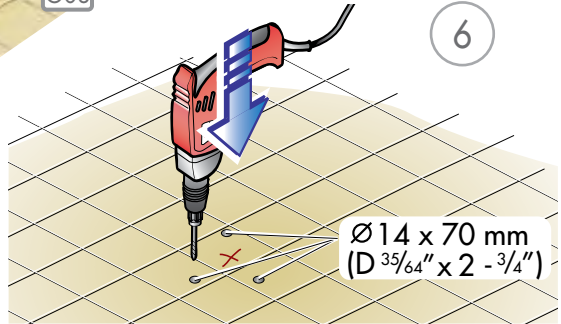
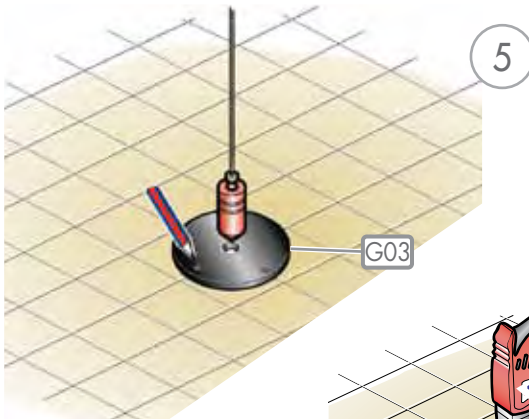
ATENCIÓN: realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).

4 a
b



4 c





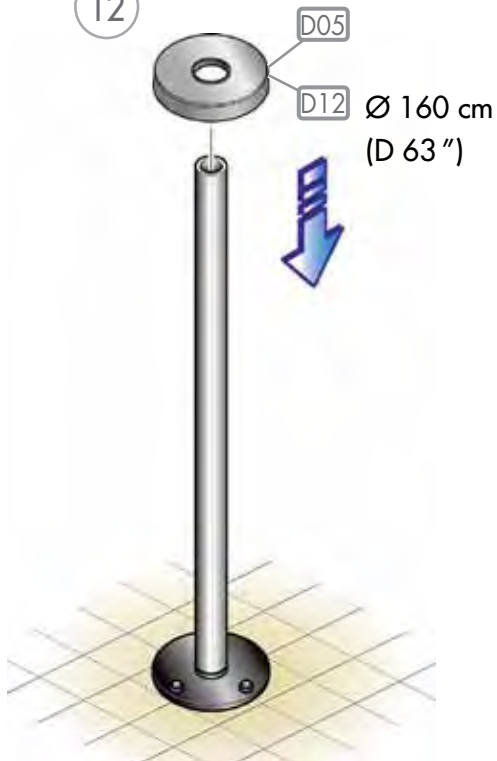
10



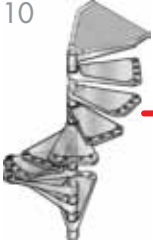
11



12



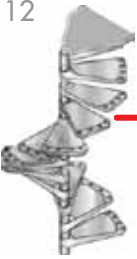
10



11



12



13



14



15



16





22-23



24-25



26-27



28-29



30-31

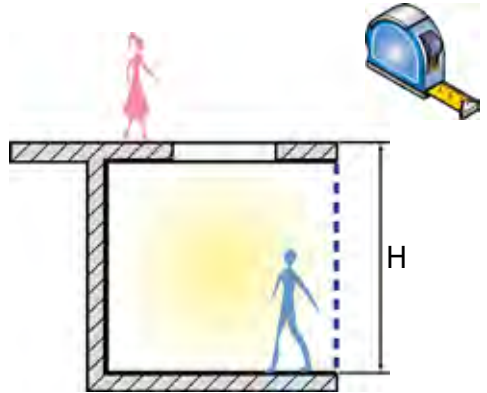


32-33



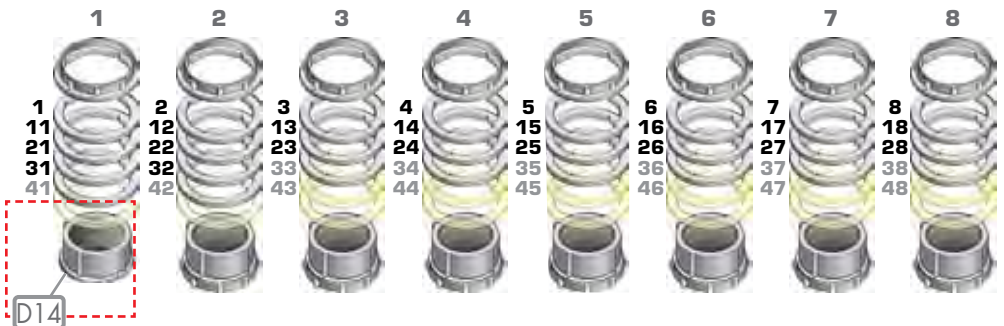
34-35

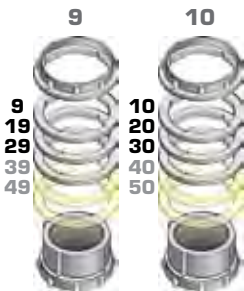
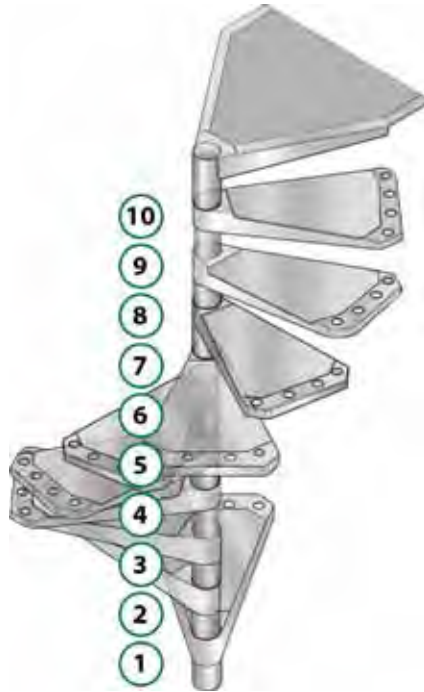
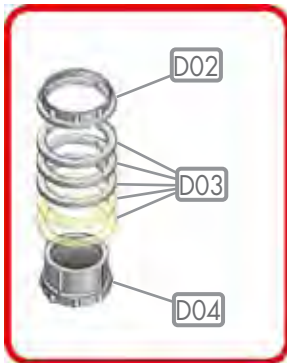
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|-----------|-----|-----|-----|-----|
| 211 | 83 1/16" | 10 | 0 | 9 | 1 |
| 212 | 83 7/16" | 10 | 2 | 9 | 1 |
| 213 | 83 7/8" | 10 | 4 | 9 | 1 |
| 214 | 84 1/4" | 10 | 6 | 9 | 1 |
| 215 | 84 5/8" | 10 | 8 | 9 | 1 |
| 216 | 85 1/16" | 10 | 10 | 9 | 1 |
| 217 | 85 7/16" | 10 | 12 | 9 | 1 |
| 218 | 85 13/16" | 10 | 14 | 9 | 1 |
| 219 | 86 1/4" | 10 | 16 | 9 | 1 |
| 220 | 86 5/8" | 10 | 18 | 9 | 1 |
| 221 | 87" | 10 | 20 | 9 | 1 |
| 222 | 87 3/8" | 10 | 22 | 9 | 1 |
| 223 | 87 13/16" | 10 | 24 | 9 | 1 |
| 224 | 88 3/16" | 10 | 26 | 9 | 1 |
| 225 | 88 9/16" | 10 | 28 | 9 | 1 |
| 226 | 89" | 10 | 30 | 9 | 1 |
| 227 | 89 3/8" | 10 | 32 | 9 | 1 |
| 228 | 89 3/4" | 10 | 34 | 9 | 1 |
| 229 | 90 3/16" | 10 | 36 | 9 | 1 |
| 230 | 90 9/16" | 10 | 38 | 9 | 1 |
| 231 | 90 15/16" | 10 | 40 | 9 | 1 |
| 232 | 91 5/16" | 10 | 42 | 9 | 1 |
| 233 | 91 3/4" | 10 | 44 | 9 | 1 |
| 234 | 92 1/8" | 10 | 46 | 9 | 1 |
| 235 | 92 1/2" | 10 | 48 | 9 | 1 |
| 236 | 92 15/16" | 10 | 50 | 9 | 1 |



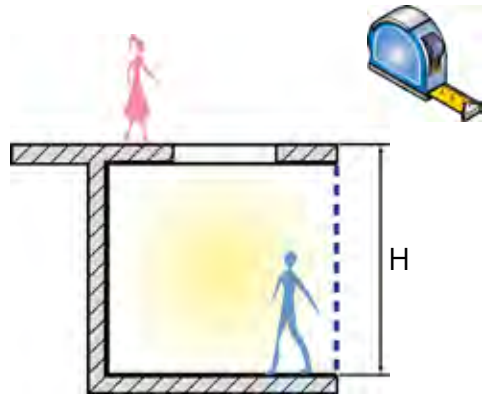
H = 227
(89 - 3/8")





- D02 = 10
- D03 = 32
- D04 = 9
- D14 = 1



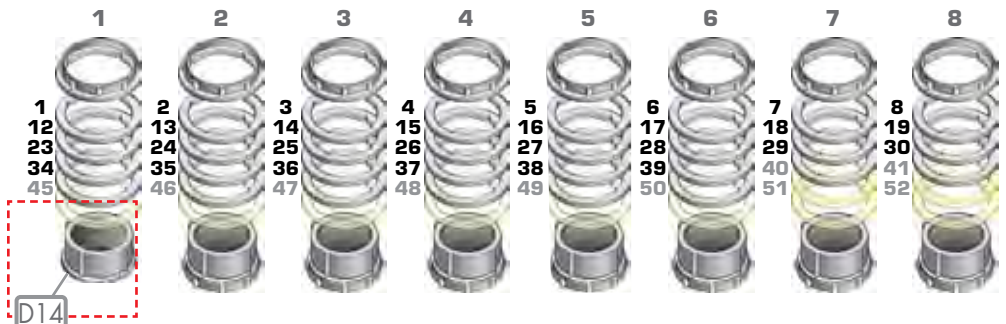


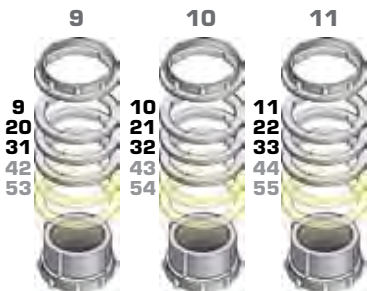
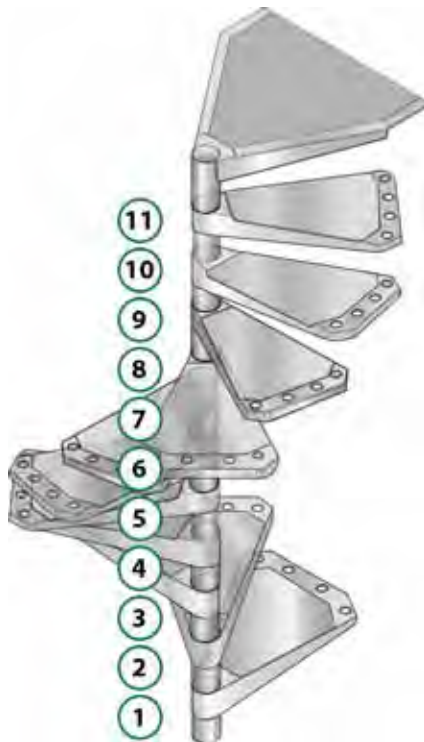
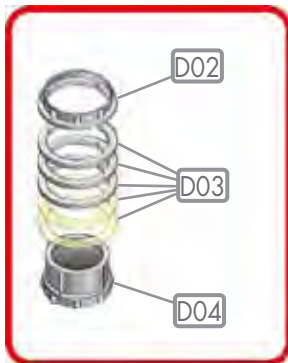
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 232 | 91 5/16" | 11 | 1 | 10 | 1 |
| 233 | 91 3/4" | 11 | 3 | 10 | 1 |
| 234 | 92 1/8" | 11 | 5 | 10 | 1 |
| 235 | 92 1/2" | 11 | 7 | 10 | 1 |
| 236 | 92 15/16" | 11 | 9 | 10 | 1 |
| 237 | 93 5/16" | 11 | 11 | 10 | 1 |
| 238 | 93 11/16" | 11 | 13 | 10 | 1 |
| 239 | 94 1/8" | 11 | 15 | 10 | 1 |
| 240 | 94 1/2" | 11 | 17 | 10 | 1 |
| 241 | 94 7/8" | 11 | 19 | 10 | 1 |
| 242 | 95 1/4" | 11 | 21 | 10 | 1 |
| 243 | 95 11/16" | 11 | 23 | 10 | 1 |
| 244 | 96 1/16" | 11 | 25 | 10 | 1 |
| 245 | 96 7/16" | 11 | 27 | 10 | 1 |
| 246 | 96 7/8" | 11 | 29 | 10 | 1 |
| 247 | 97 1/4" | 11 | 31 | 10 | 1 |
| 248 | 97 5/8" | 11 | 33 | 10 | 1 |
| 249 | 98 1/16" | 11 | 35 | 10 | 1 |
| 250 | 98 7/16" | 11 | 37 | 10 | 1 |
| 251 | 98 13/16" | 11 | 39 | 10 | 1 |
| 252 | 99 3/16" | 11 | 41 | 10 | 1 |
| 253 | 99 5/8" | 11 | 43 | 10 | 1 |
| 254 | 100" | 11 | 45 | 10 | 1 |
| 255 | 100 3/8" | 11 | 47 | 10 | 1 |
| 256 | 100 13/16" | 11 | 49 | 10 | 1 |
| 257 | 101 3/16" | 11 | 51 | 10 | 1 |
| 258 | 101 9/16" | 11 | 53 | 10 | 1 |
| 259 | 101 15/16" | 11 | 55 | 10 | 1 |



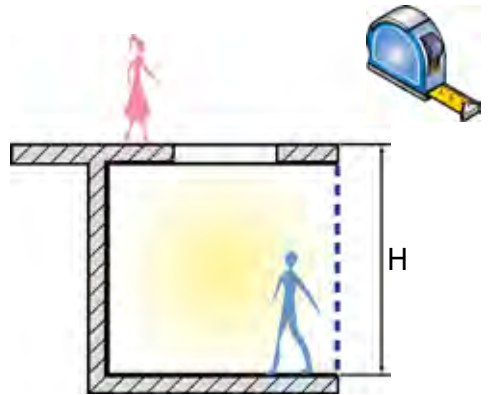
D02 = 11 
D03 = 39 
D04 = 10 
D14 = 1 

H = 251
(98 -13/16")







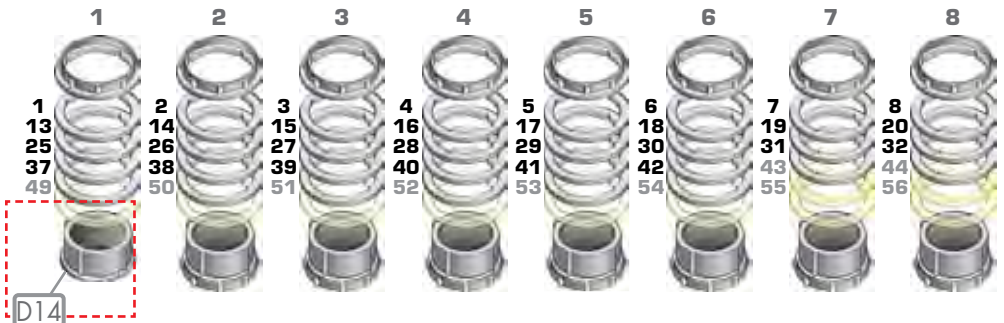


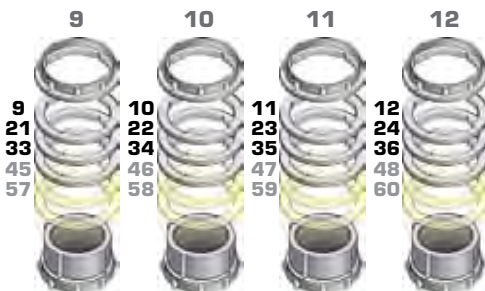
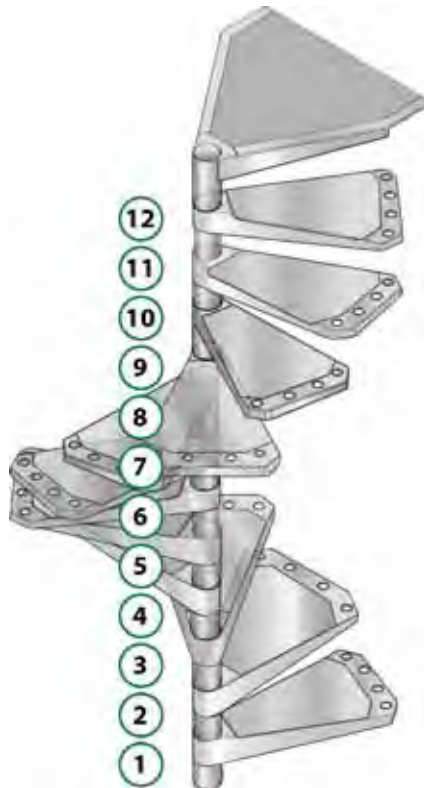
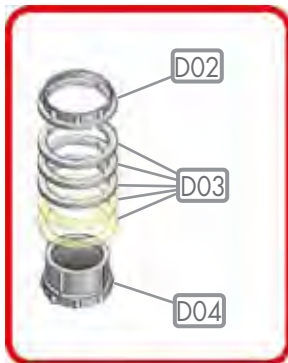
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 253 | 99 5/8" | 12 | 0 | 11 | 1 |
| 254 | 100" | 12 | 2 | 11 | 1 |
| 255 | 100 3/8" | 12 | 4 | 11 | 1 |
| 256 | 100 13/16" | 12 | 6 | 11 | 1 |
| 257 | 101 3/16" | 12 | 8 | 11 | 1 |
| 258 | 101 9/16" | 12 | 10 | 11 | 1 |
| 259 | 101 15/16" | 12 | 12 | 11 | 1 |
| 260 | 102 3/8" | 12 | 14 | 11 | 1 |
| 261 | 102 3/4" | 12 | 16 | 11 | 1 |
| 262 | 103 1/8" | 12 | 18 | 11 | 1 |
| 263 | 103 9/16" | 12 | 20 | 11 | 1 |
| 264 | 103 15/16" | 12 | 22 | 11 | 1 |
| 265 | 104 5/16" | 12 | 24 | 11 | 1 |
| 266 | 104 3/4" | 12 | 26 | 11 | 1 |
| 267 | 105 1/8" | 12 | 28 | 11 | 1 |
| 268 | 105 1/2" | 12 | 30 | 11 | 1 |
| 269 | 105 7/8" | 12 | 32 | 11 | 1 |
| 270 | 106 5/16" | 12 | 34 | 11 | 1 |
| 271 | 106 11/16" | 12 | 36 | 11 | 1 |
| 272 | 107 1/16" | 12 | 38 | 11 | 1 |
| 273 | 107 1/2" | 12 | 40 | 11 | 1 |
| 274 | 107 7/8" | 12 | 42 | 11 | 1 |
| 275 | 108 1/4" | 12 | 44 | 11 | 1 |
| 276 | 108 11/16" | 12 | 46 | 11 | 1 |
| 277 | 109 1/16" | 12 | 48 | 11 | 1 |
| 278 | 109 7/16" | 12 | 50 | 11 | 1 |
| 279 | 109 13/16" | 12 | 52 | 11 | 1 |
| 280 | 110 1/4" | 12 | 54 | 11 | 1 |
| 281 | 110 5/8" | 12 | 56 | 11 | 1 |
| 282 | 111" | 12 | 58 | 11 | 1 |
| 283 | 111 7/16" | 12 | 60 | 11 | 1 |



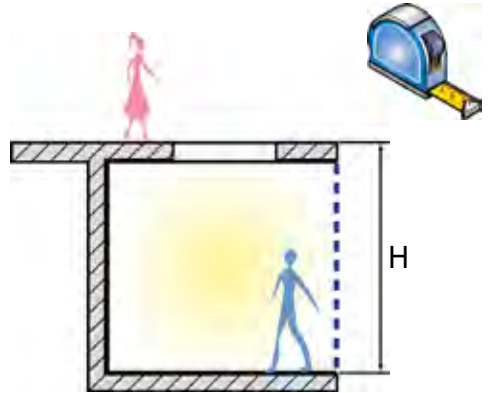
**H = 274
(107-7/8")**

- D02 = 12 
- D03 = 42 
- D04 = 11 
- D14 = 1 







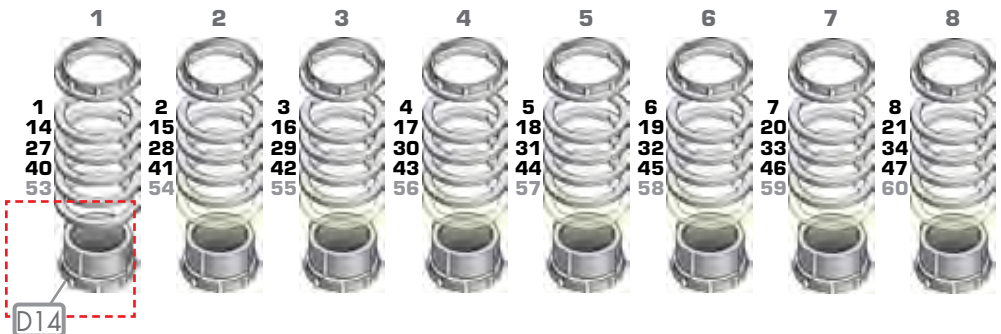


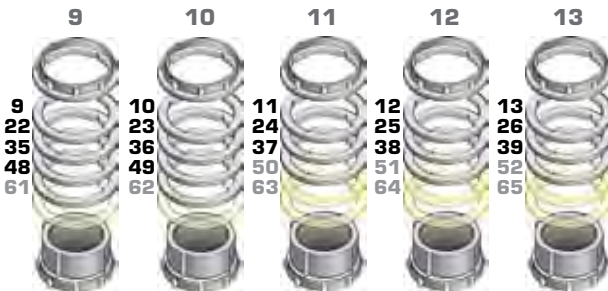
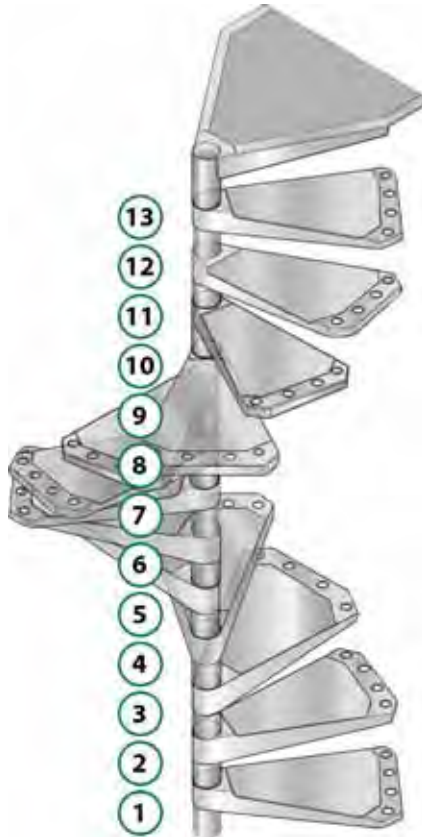
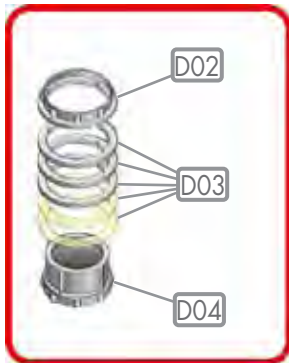
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 274 | 107 7/8" | 13 | 1 | 12 | 1 |
| 275 | 108 1/4" | 13 | 3 | 12 | 1 |
| 276 | 108 11/16" | 13 | 5 | 12 | 1 |
| 277 | 109 1/16" | 13 | 7 | 12 | 1 |
| 278 | 109 7/16" | 13 | 9 | 12 | 1 |
| 279 | 109 13/16" | 13 | 11 | 12 | 1 |
| 280 | 110 1/4" | 13 | 13 | 12 | 1 |
| 281 | 110 5/8" | 13 | 15 | 12 | 1 |
| 282 | 111" | 13 | 17 | 12 | 1 |
| 283 | 111 7/16" | 13 | 19 | 12 | 1 |
| 284 | 111 13/16" | 13 | 21 | 12 | 1 |
| 285 | 112 3/16" | 13 | 23 | 12 | 1 |
| 286 | 112 5/8" | 13 | 25 | 12 | 1 |
| 287 | 113" | 13 | 27 | 12 | 1 |
| 288 | 113 3/8" | 13 | 29 | 12 | 1 |
| 289 | 113 3/4" | 13 | 31 | 12 | 1 |
| 290 | 114 3/16" | 13 | 33 | 12 | 1 |
| 291 | 114 6/16" | 13 | 35 | 12 | 1 |
| 292 | 114 15/16" | 13 | 37 | 12 | 1 |
| 293 | 115 3/8" | 13 | 39 | 12 | 1 |
| 294 | 115 3/4" | 13 | 41 | 12 | 1 |
| 295 | 116 1/8" | 13 | 43 | 12 | 1 |
| 296 | 116 9/16" | 13 | 45 | 12 | 1 |
| 297 | 116 15/16" | 13 | 47 | 12 | 1 |
| 298 | 117 5/16" | 13 | 49 | 12 | 1 |
| 299 | 117 11/16" | 13 | 51 | 12 | 1 |
| 300 | 118 1/8" | 13 | 53 | 12 | 1 |
| 301 | 118 1/2" | 13 | 55 | 12 | 1 |
| 302 | 118 7/8" | 13 | 57 | 12 | 1 |
| 303 | 119 5/16" | 13 | 59 | 12 | 1 |
| 304 | 119 11/16" | 13 | 61 | 12 | 1 |
| 305 | 120 1/16" | 13 | 63 | 12 | 1 |
| 306 | 120 1/2" | 13 | 65 | 12 | 1 |



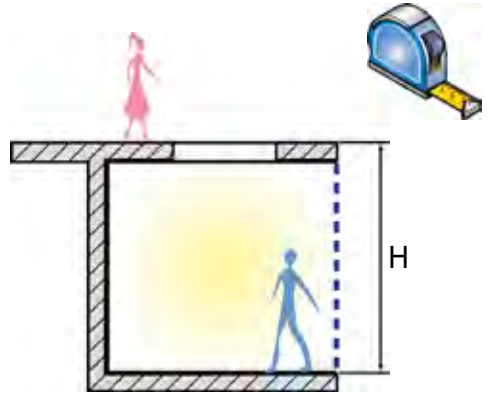
H = 298
(117-5/16")





- D02 = 13 
- D03 = 49 
- D04 = 12 
- D14 = 1 

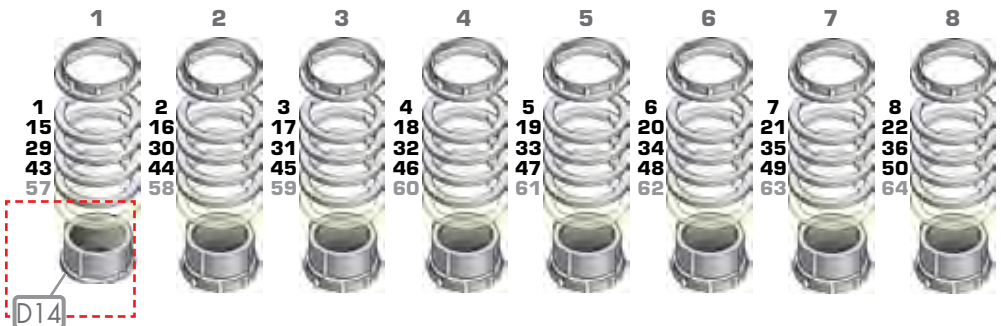


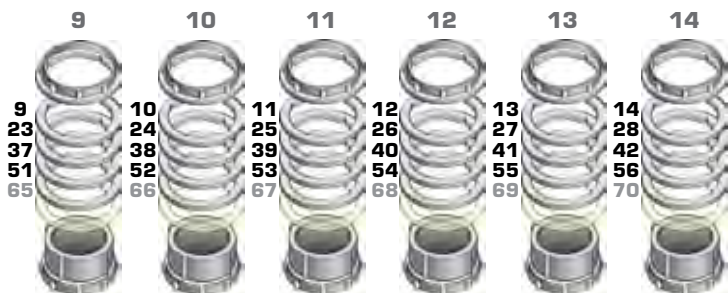
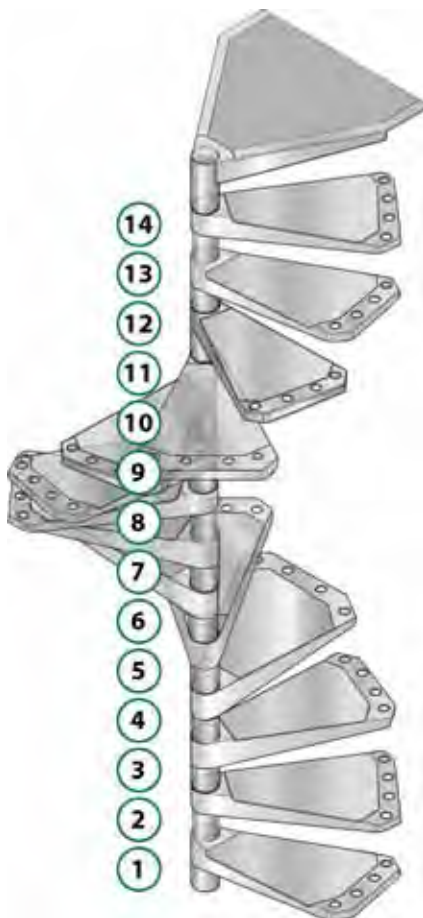
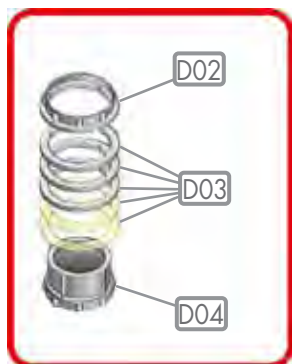


| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 295 | 116 1/8" | 4 | 0 | 13 | 1 |
| 296 | 116 9/16" | 14 | 2 | 13 | 1 |
| 297 | 116 15/16" | 14 | 4 | 13 | 1 |
| 298 | 117 5/16" | 14 | 6 | 13 | 1 |
| 299 | 117 11/16" | 14 | 8 | 13 | 1 |
| 300 | 118 1/8" | 14 | 10 | 13 | 1 |
| 301 | 118 1/2" | 14 | 12 | 13 | 1 |
| 302 | 118 7/8" | 14 | 14 | 13 | 1 |
| 303 | 119 5/16" | 14 | 16 | 13 | 1 |
| 304 | 119 11/16" | 14 | 18 | 13 | 1 |
| 305 | 120 1/16" | 14 | 20 | 13 | 1 |
| 306 | 120 1/2" | 14 | 22 | 13 | 1 |
| 307 | 120 7/8" | 14 | 24 | 13 | 1 |
| 308 | 121 1/4" | 14 | 26 | 13 | 1 |
| 309 | 121 5/8" | 14 | 28 | 13 | 1 |
| 310 | 122 1/16" | 14 | 30 | 13 | 1 |
| 311 | 122 7/16" | 14 | 32 | 13 | 1 |
| 312 | 122 13/16" | 14 | 34 | 13 | 1 |
| 313 | 123 1/4" | 14 | 36 | 13 | 1 |
| 314 | 123 5/8" | 14 | 38 | 13 | 1 |
| 315 | 124" | 14 | 40 | 13 | 1 |
| 316 | 124 7/16" | 14 | 42 | 13 | 1 |
| 317 | 124 13/16" | 14 | 44 | 13 | 1 |
| 318 | 125 3/16" | 14 | 46 | 13 | 1 |
| 319 | 125 9/16" | 14 | 48 | 13 | 1 |
| 320 | 126" | 14 | 50 | 13 | 1 |
| 321 | 126 3/8" | 14 | 52 | 13 | 1 |
| 322 | 126 3/4" | 14 | 54 | 13 | 1 |
| 323 | 127 3/16" | 14 | 56 | 13 | 1 |
| 324 | 127 9/16" | 14 | 58 | 13 | 1 |
| 325 | 127 15/16" | 14 | 60 | 13 | 1 |
| 326 | 128 3/8" | 14 | 62 | 13 | 1 |
| 327 | 128 3/4" | 14 | 64 | 13 | 1 |
| 328 | 129 1/8" | 14 | 66 | 13 | 1 |
| 329 | 129 1/2" | 14 | 68 | 13 | 1 |
| 330 | 129 15/16" | 14 | 70 | 13 | 1 |

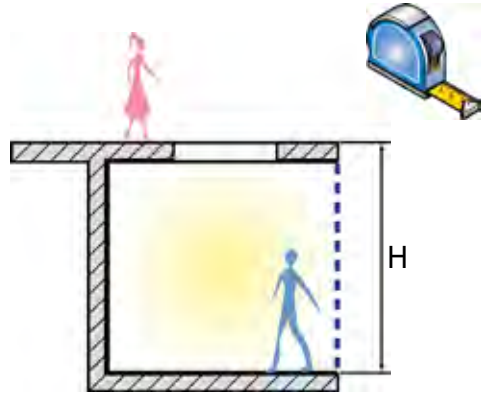


D02 = 14 
 D03 = 56 
 H = 323
 (127-3/16")
 D04 = 13 
 D14 = 1 







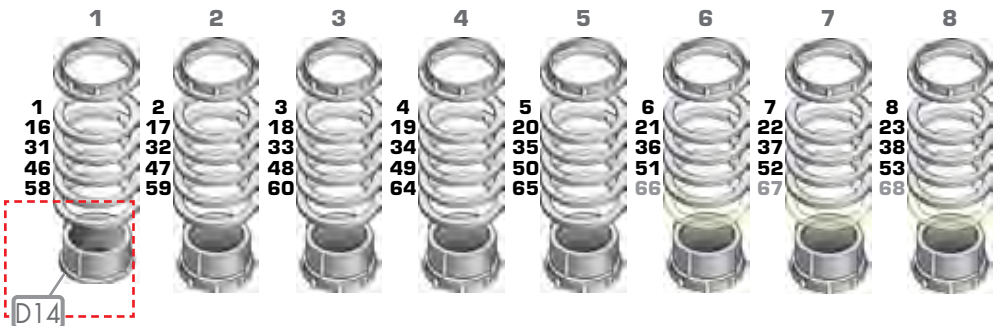


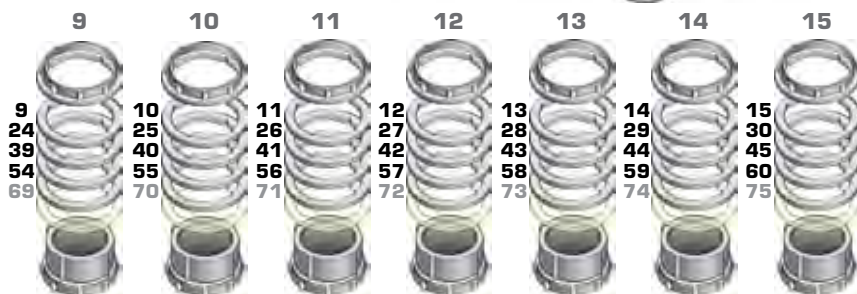
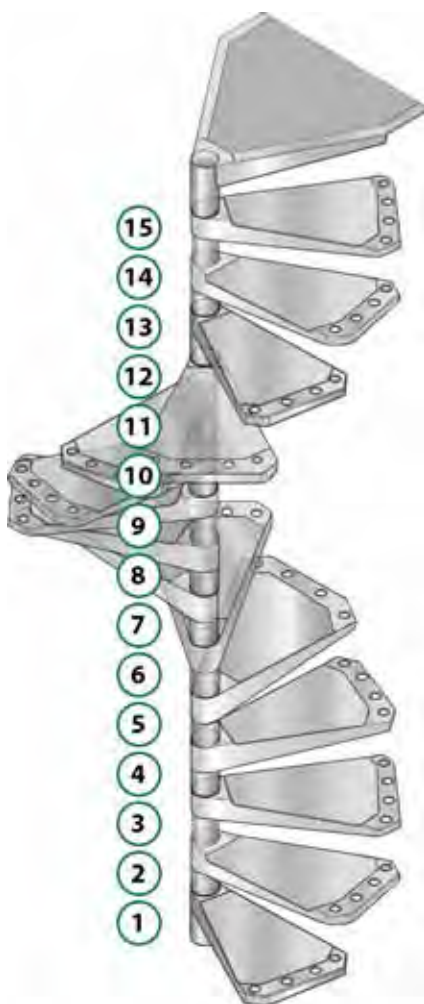
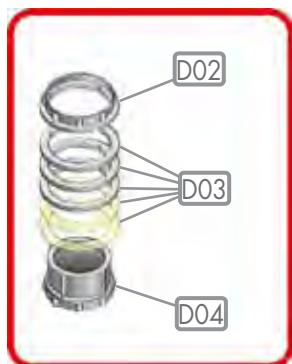
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 316 | 124 7/16" | 15 | 1 | 14 | 1 |
| 317 | 124 13/16" | 15 | 3 | 14 | 1 |
| 318 | 125 3/16" | 15 | 5 | 14 | 1 |
| 319 | 125 9/16" | 15 | 7 | 14 | 1 |
| 320 | 126" | 15 | 9 | 14 | 1 |
| 321 | 126 3/8" | 15 | 11 | 14 | 1 |
| 322 | 126 3/4" | 15 | 13 | 14 | 1 |
| 323 | 127 3/16" | 15 | 15 | 14 | 1 |
| 324 | 127 9/16" | 15 | 17 | 14 | 1 |
| 325 | 127 15/16" | 15 | 19 | 14 | 1 |
| 326 | 128 3/8" | 15 | 21 | 14 | 1 |
| 327 | 128 3/4" | 15 | 23 | 14 | 1 |
| 328 | 129 1/8" | 15 | 25 | 14 | 1 |
| 329 | 129 1/2" | 15 | 27 | 14 | 1 |
| 330 | 129 15/16" | 15 | 29 | 14 | 1 |
| 331 | 130 5/16" | 15 | 31 | 14 | 1 |
| 332 | 130 11/16" | 15 | 33 | 14 | 1 |
| 333 | 131 1/8" | 15 | 35 | 14 | 1 |
| 334 | 131 1/2" | 15 | 37 | 14 | 1 |
| 335 | 131 7/8" | 15 | 39 | 14 | 1 |
| 336 | 132 5/16" | 15 | 41 | 14 | 1 |
| 337 | 132 11/16" | 15 | 43 | 14 | 1 |
| 338 | 133 1/16" | 15 | 45 | 14 | 1 |
| 339 | 133 7/16" | 15 | 47 | 14 | 1 |
| 340 | 133 7/8" | 15 | 49 | 14 | 1 |
| 341 | 134 1/4" | 15 | 51 | 14 | 1 |
| 342 | 134 5/8" | 15 | 53 | 14 | 1 |
| 343 | 135 10/16" | 15 | 55 | 14 | 1 |
| 344 | 135 7/16" | 15 | 57 | 14 | 1 |
| 345 | 135 13/16" | 15 | 59 | 14 | 1 |
| 346 | 136 1/4" | 15 | 61 | 14 | 1 |
| 347 | 136 5/8" | 15 | 63 | 14 | 1 |
| 348 | 137" | 15 | 65 | 14 | 1 |
| 349 | 137 3/8" | 15 | 67 | 14 | 1 |
| 350 | 137 13/16" | 15 | 69 | 14 | 1 |
| 351 | 138 3/16" | 15 | 71 | 14 | 1 |
| 352 | 138 9/16" | 15 | 73 | 14 | 1 |
| 353 | 139" | 15 | 75 | 14 | 1 |



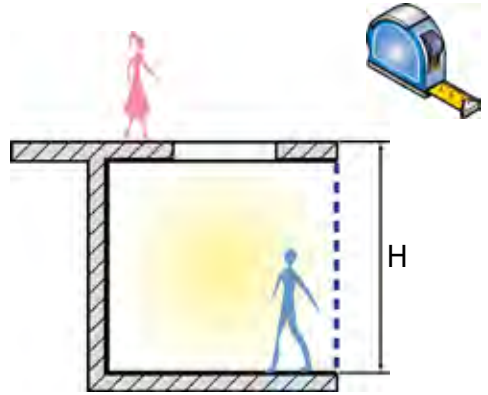
H = 348
(137")

- D02 = 15 
- D03 = 65 
- D04 = 14 
- D14 = 1 



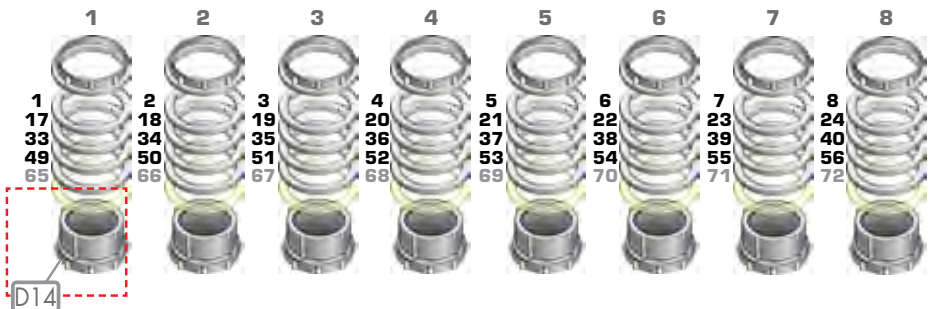


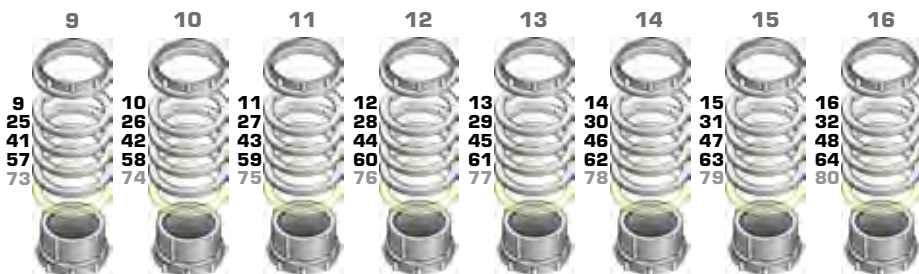
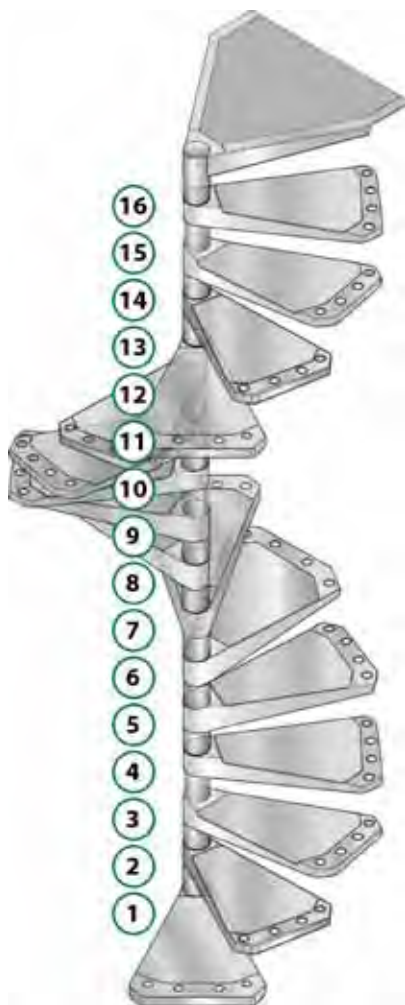
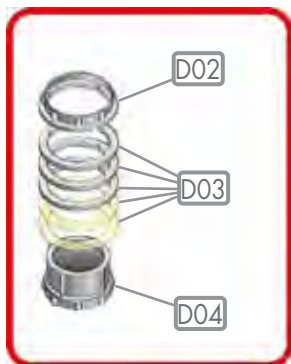
| H cm | H inch | D02 | D03 | D04 | D14 |
|------|------------|-----|-----|-----|-----|
| 337 | 132 11/16" | 16 | 0 | 15 | 1 |
| 338 | 133 1/16" | 16 | 2 | 15 | 1 |
| 339 | 133 7/16" | 16 | 4 | 15 | 1 |
| 340 | 133 7/8" | 16 | 6 | 15 | 1 |
| 341 | 134 1/4" | 16 | 8 | 15 | 1 |
| 342 | 134 5/8" | 16 | 10 | 15 | 1 |
| 343 | 135 1/16" | 16 | 12 | 15 | 1 |
| 344 | 135 7/16" | 16 | 14 | 15 | 1 |
| 345 | 135 13/16" | 16 | 16 | 15 | 1 |
| 346 | 136 1/4" | 16 | 18 | 15 | 1 |
| 347 | 136 5/8" | 16 | 20 | 15 | 1 |
| 348 | 137" | 16 | 22 | 15 | 1 |
| 349 | 137 3/8" | 16 | 24 | 15 | 1 |
| 350 | 137 13/16" | 16 | 26 | 15 | 1 |
| 351 | 138 3/16" | 16 | 28 | 15 | 1 |
| 352 | 138 9/16" | 16 | 30 | 15 | 1 |
| 353 | 139" | 16 | 32 | 15 | 1 |
| 354 | 139 3/8" | 16 | 34 | 15 | 1 |
| 355 | 139 3/4" | 16 | 36 | 15 | 1 |
| 356 | 140 3/16" | 16 | 38 | 15 | 1 |
| 357 | 140 9/16" | 16 | 40 | 15 | 1 |
| 358 | 140 15/16" | 16 | 42 | 15 | 1 |
| 359 | 141 5/16" | 16 | 44 | 15 | 1 |
| 360 | 141 3/4" | 16 | 46 | 15 | 1 |
| 361 | 142 1/8" | 16 | 48 | 15 | 1 |
| 362 | 142 1/2" | 16 | 50 | 15 | 1 |
| 363 | 142 15/16" | 16 | 52 | 15 | 1 |
| 364 | 143 5/16" | 16 | 54 | 15 | 1 |
| 365 | 143 11/16" | 16 | 56 | 15 | 1 |
| 366 | 144 1/8" | 16 | 58 | 15 | 1 |
| 367 | 144 1/2" | 16 | 60 | 15 | 1 |
| 368 | 144 7/8" | 16 | 62 | 15 | 1 |
| 369 | 145 1/4" | 16 | 64 | 15 | 1 |
| 370 | 145 11/16" | 16 | 66 | 15 | 1 |
| 371 | 146 1/16" | 16 | 68 | 15 | 1 |
| 372 | 146 7/16" | 16 | 70 | 15 | 1 |
| 373 | 146 7/8" | 16 | 72 | 15 | 1 |
| 374 | 147 1/4" | 16 | 74 | 15 | 1 |
| 375 | 147 5/8" | 16 | 76 | 15 | 1 |
| 376 | 148 1/16" | 16 | 78 | 15 | 1 |
| 377 | 148 7/16" | 16 | 80 | 15 | 1 |

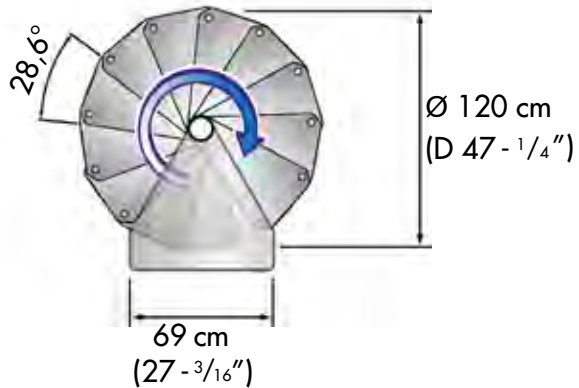
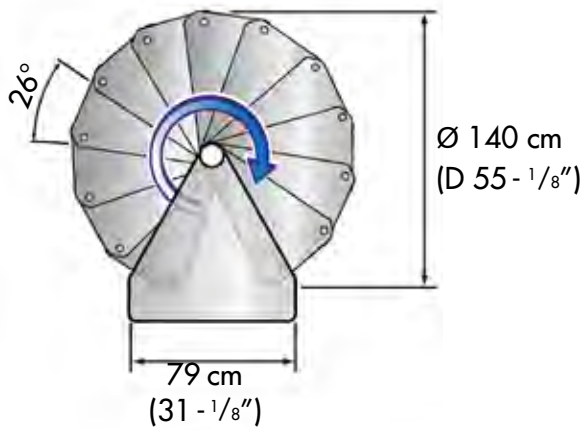
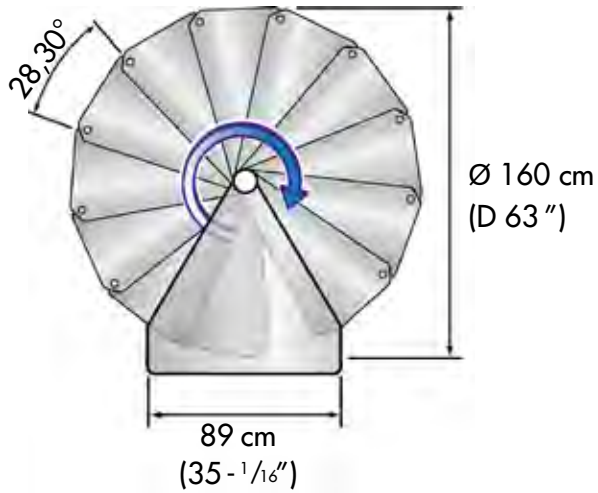


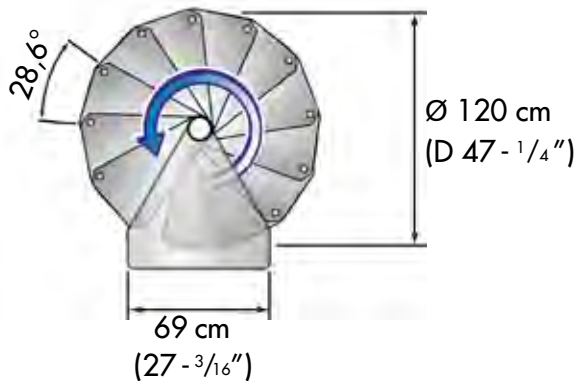
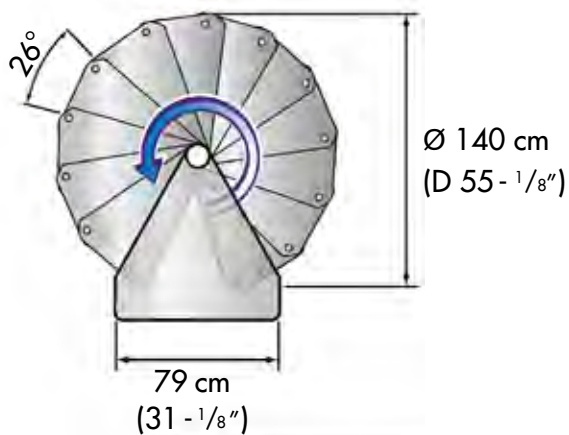
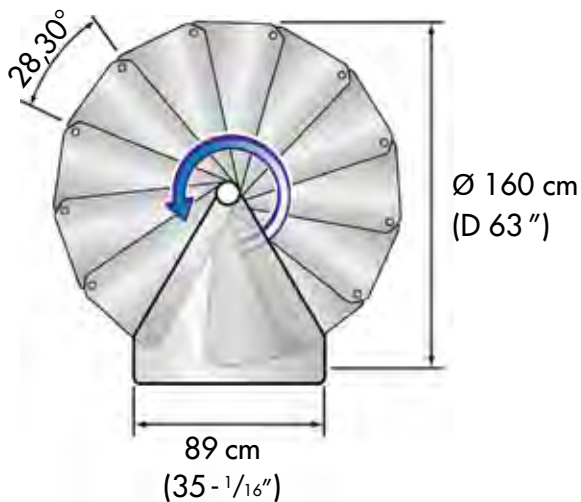
H = 369
(145 - 1/4")

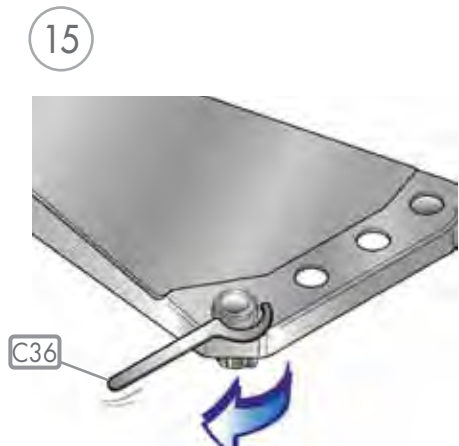
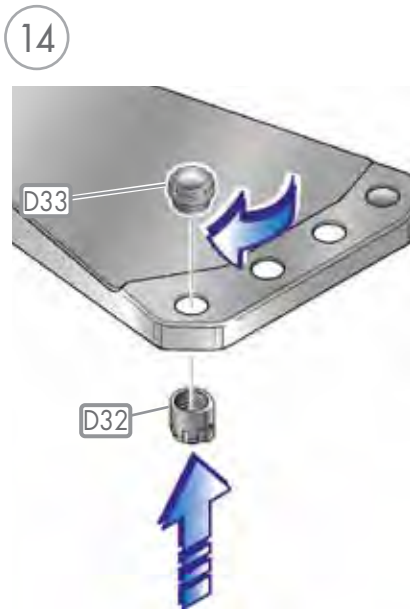
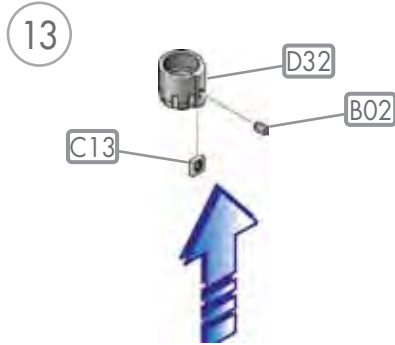
- D02 = 16
- D03 = 64
- D04 = 15
- D14 = 1

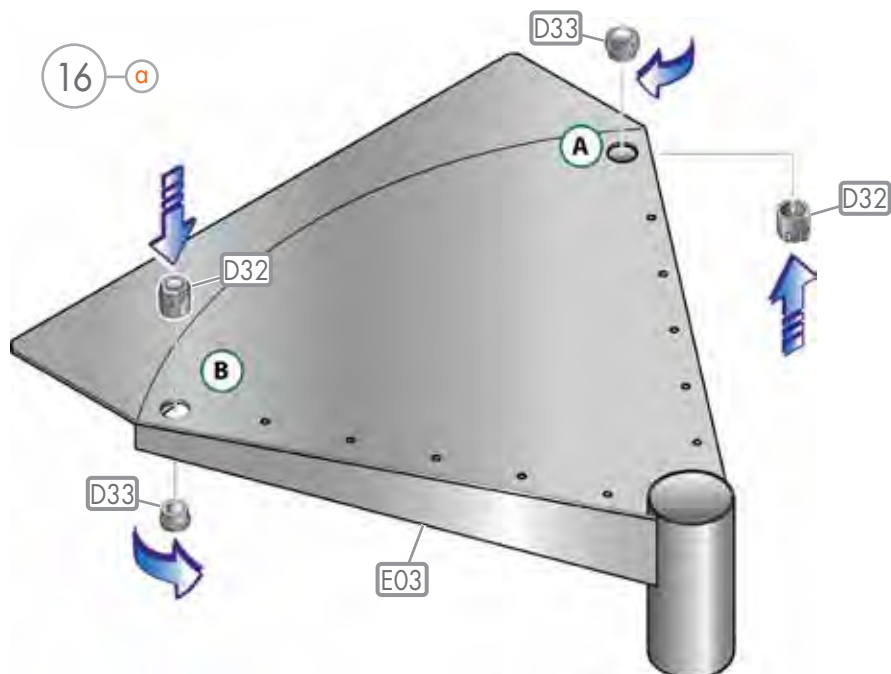
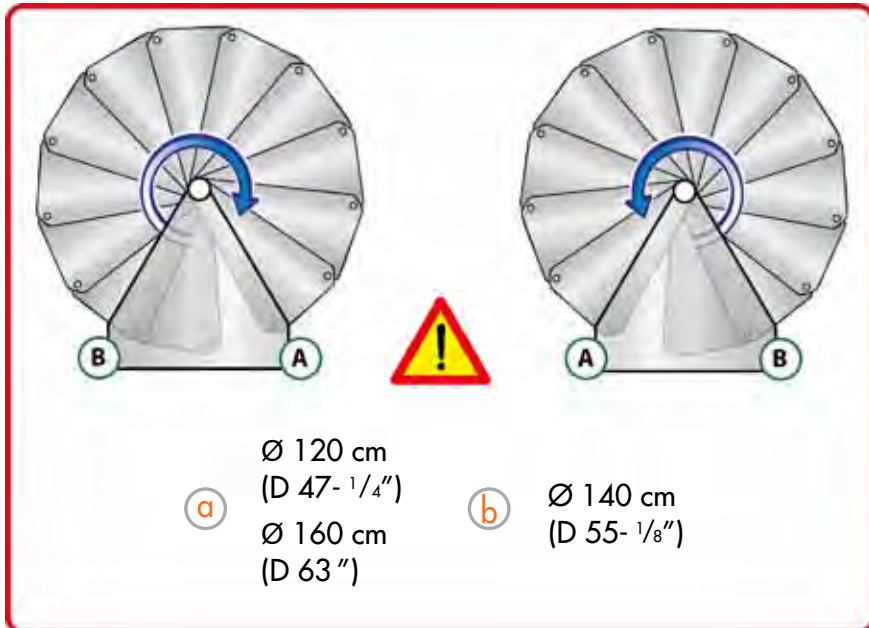


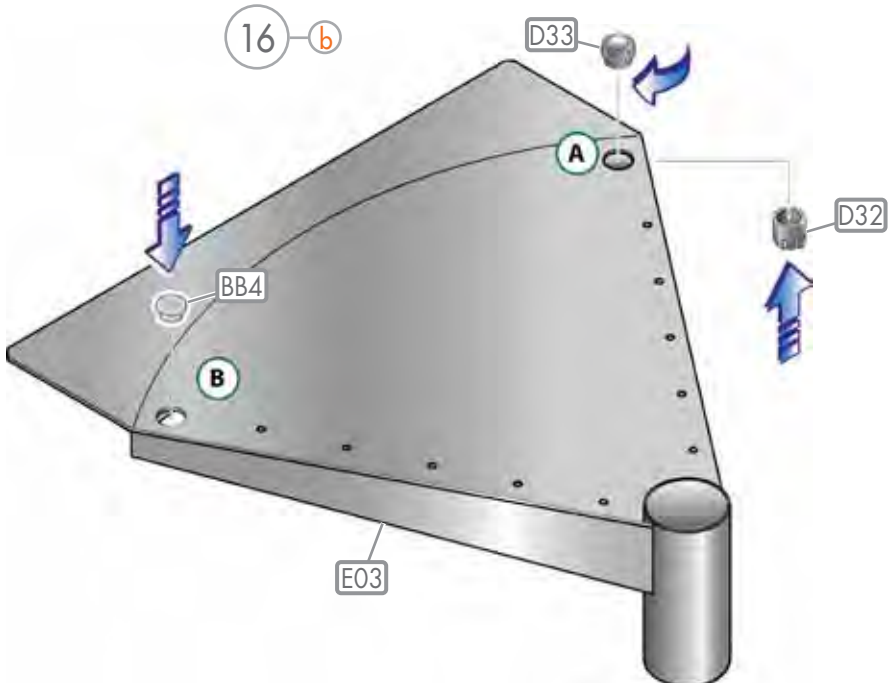
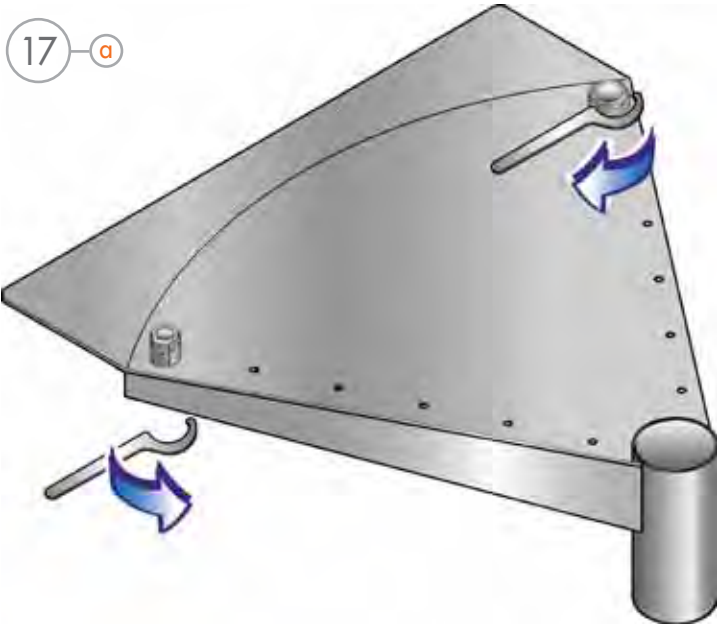


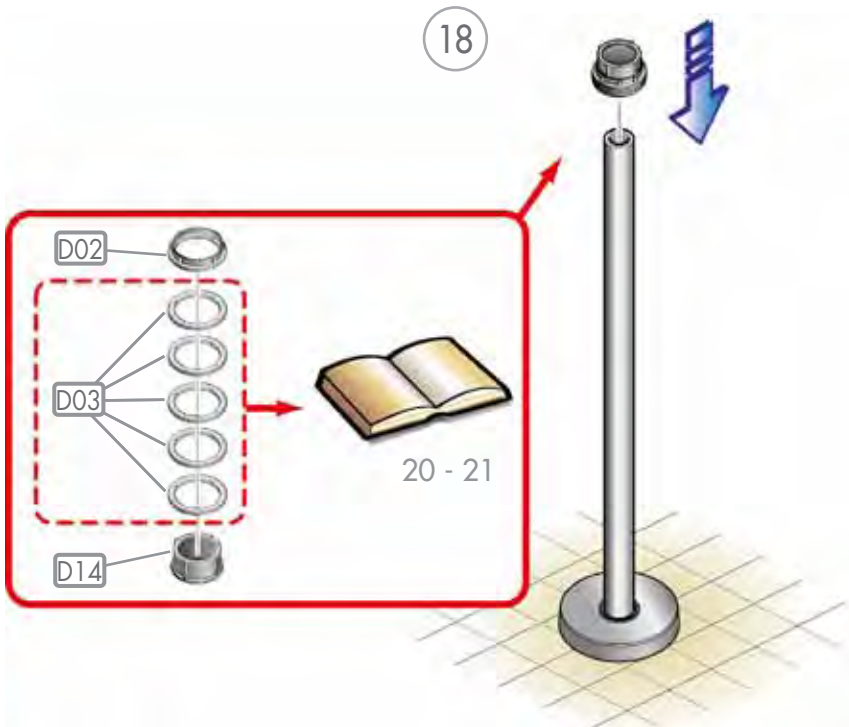
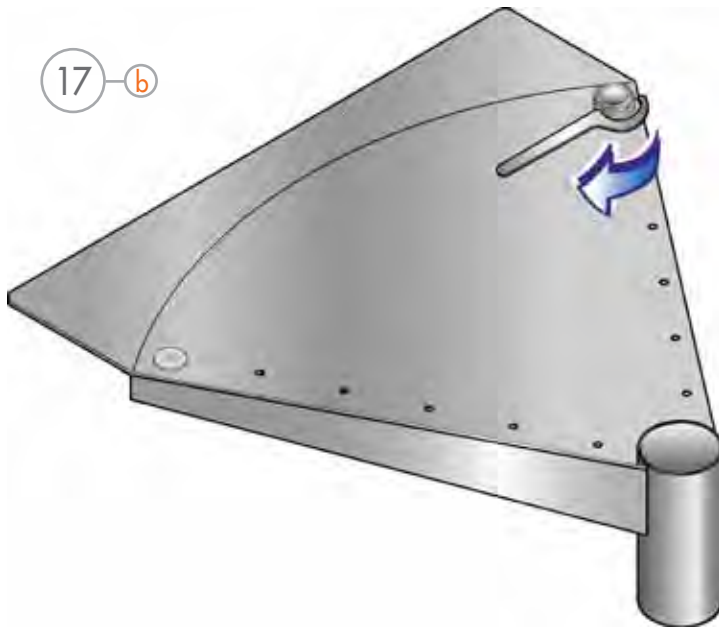


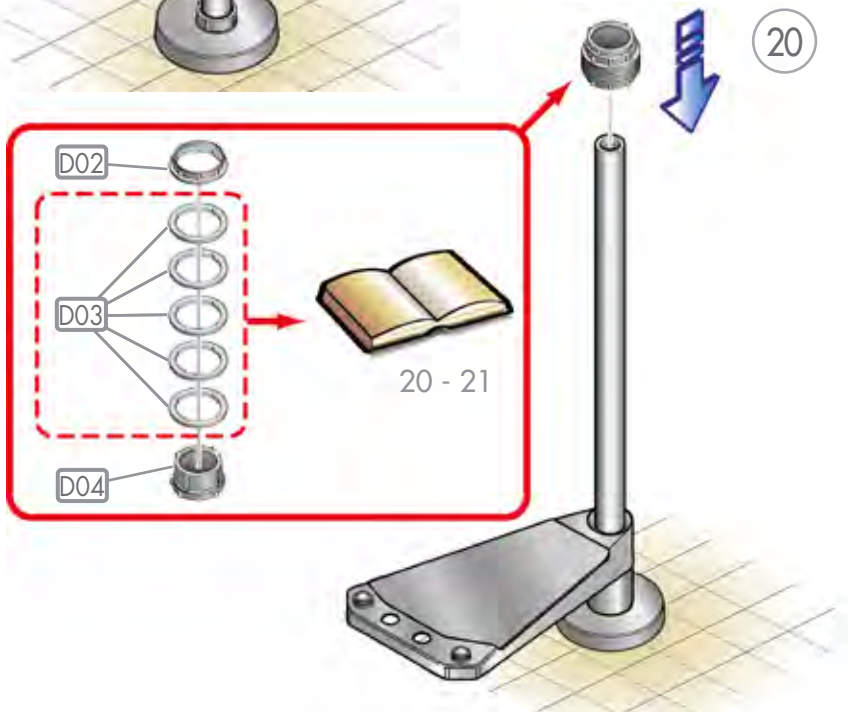
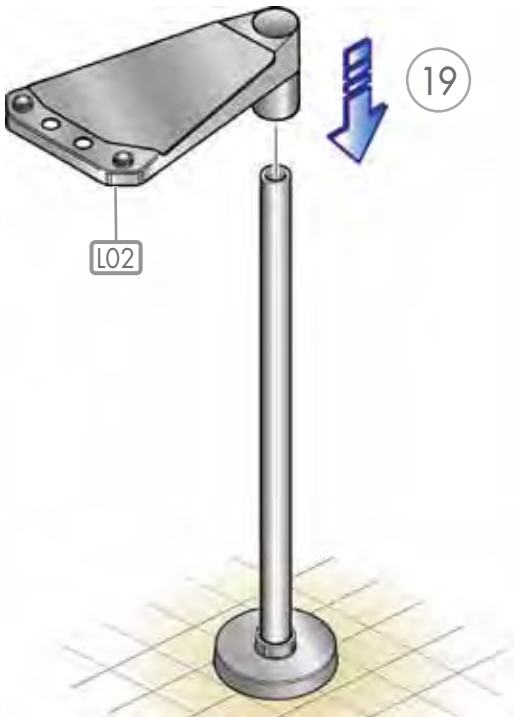


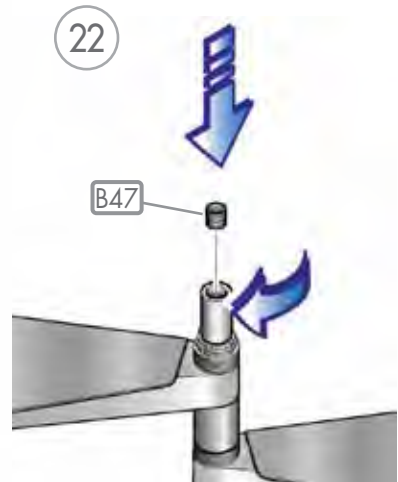
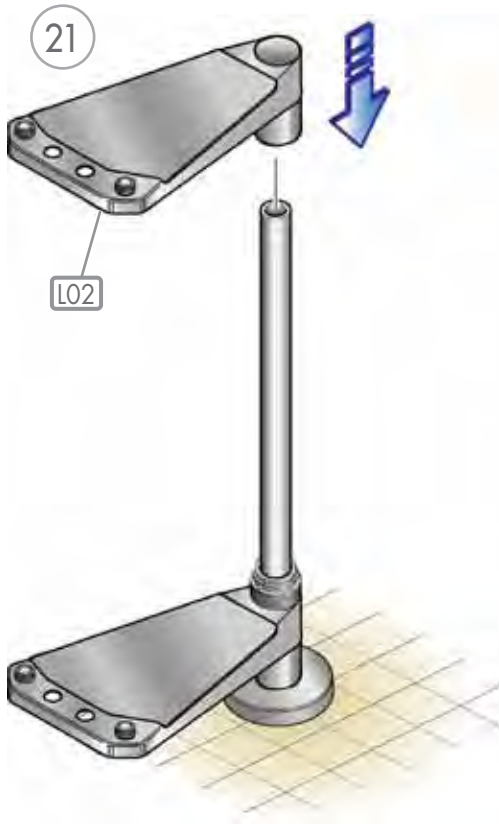




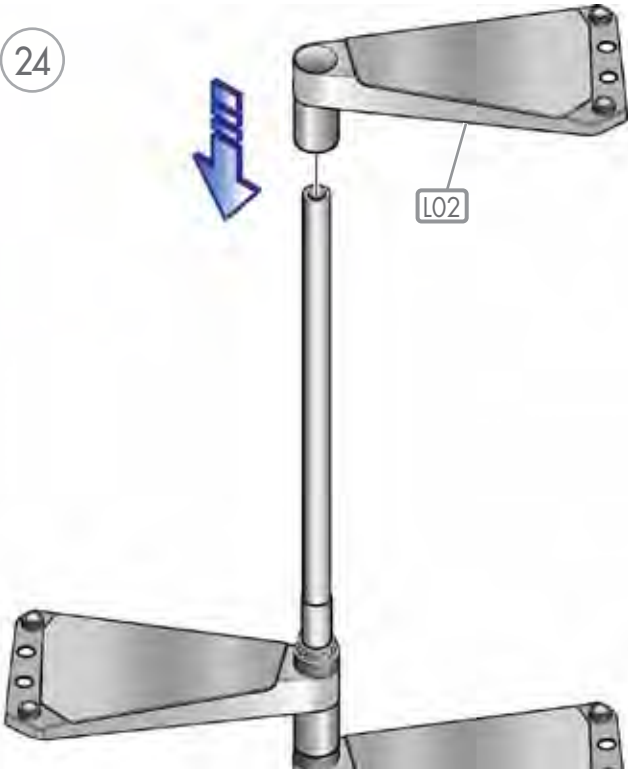




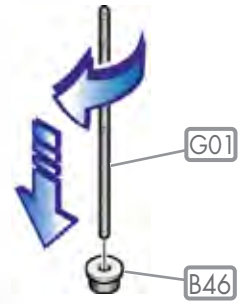




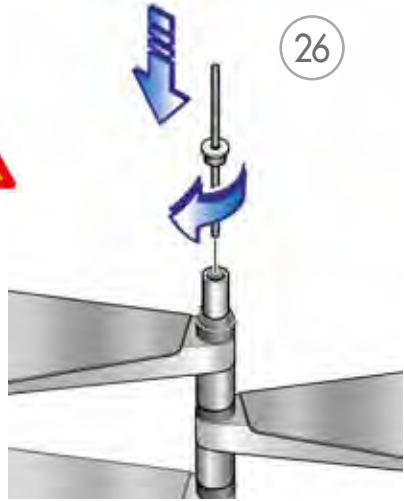
24



25

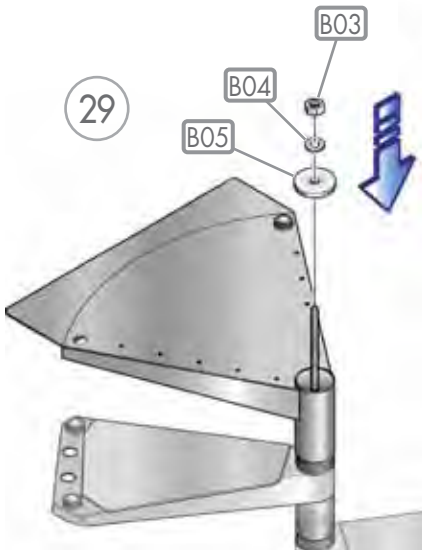
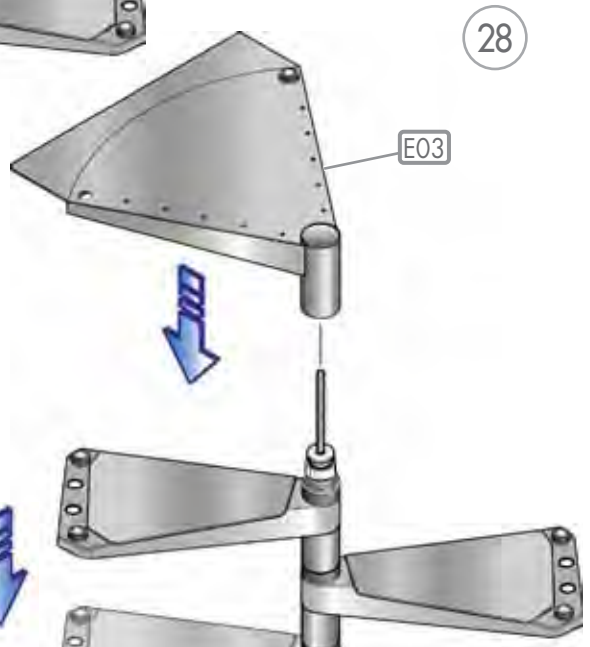
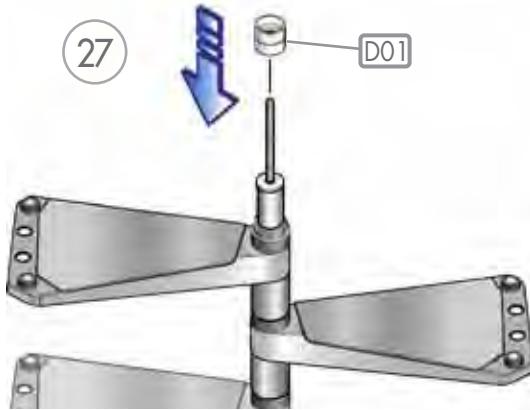


26

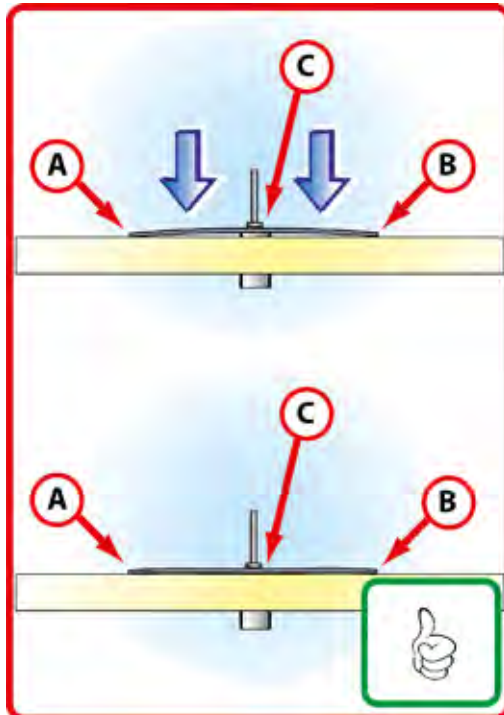
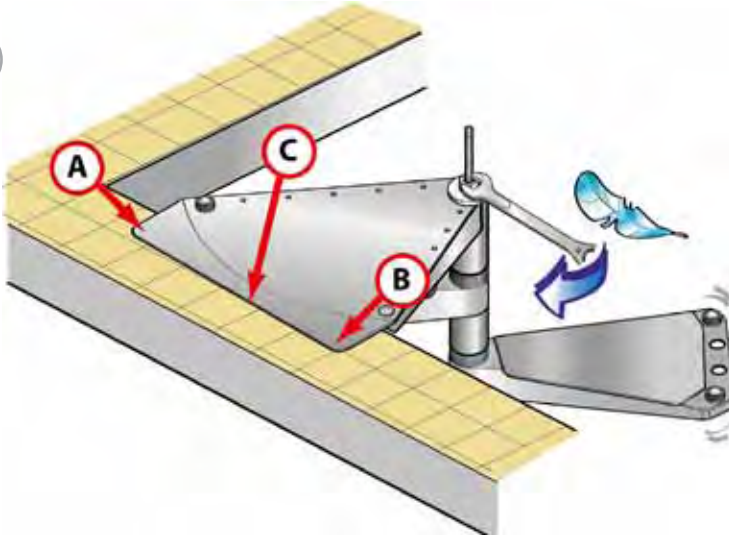


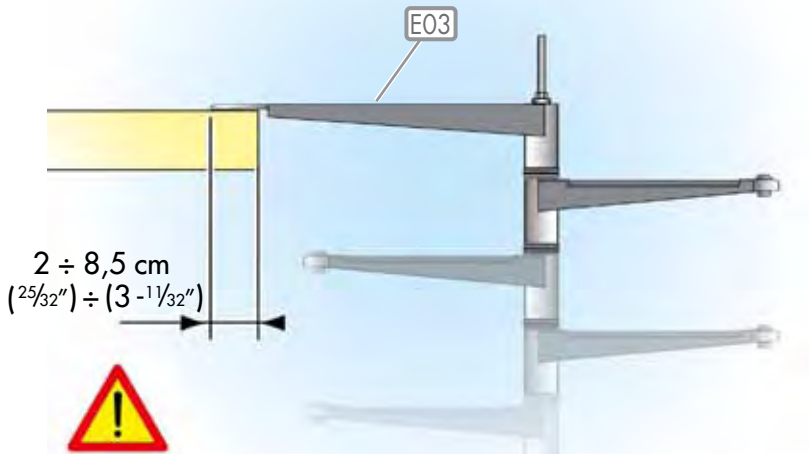
15 cm
(5 - 29/32")

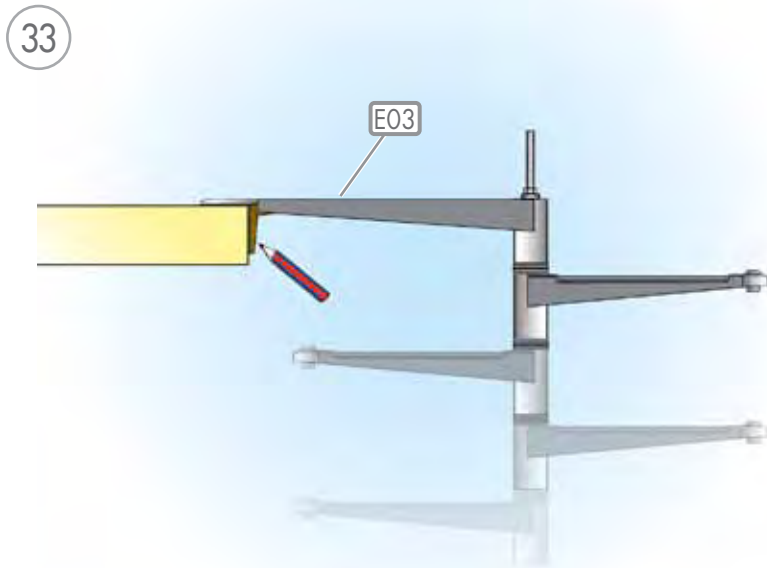
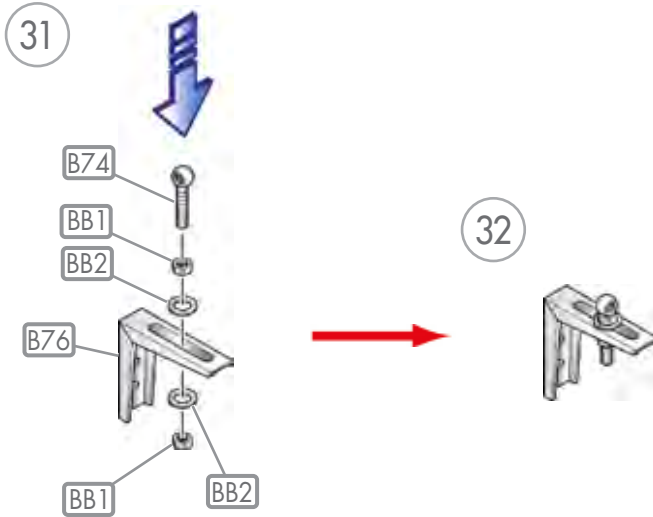




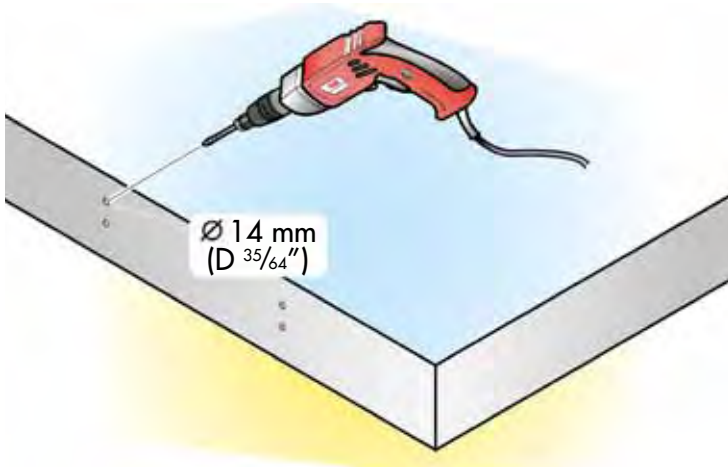
30



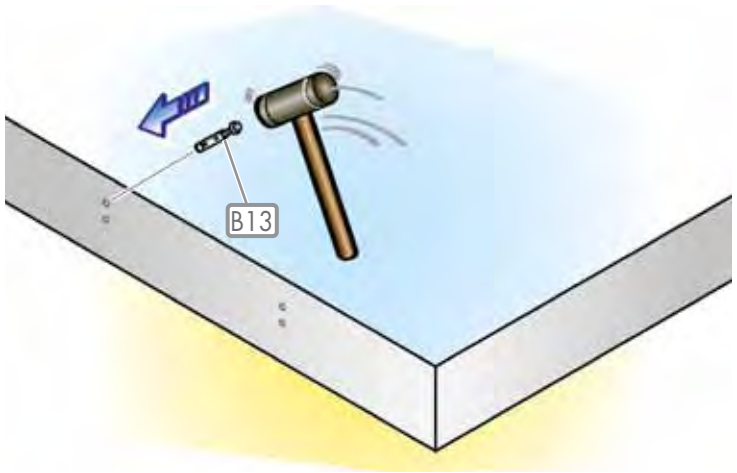




34



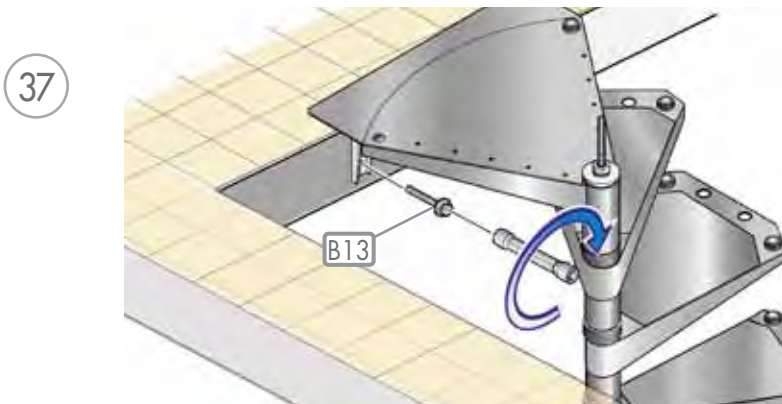
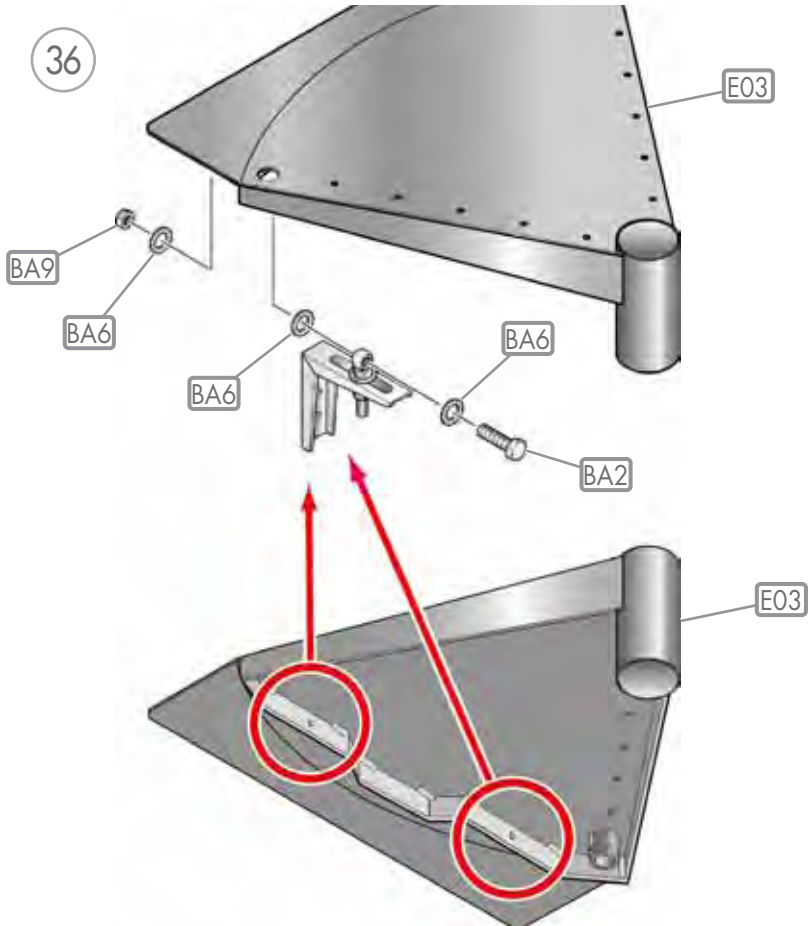
35



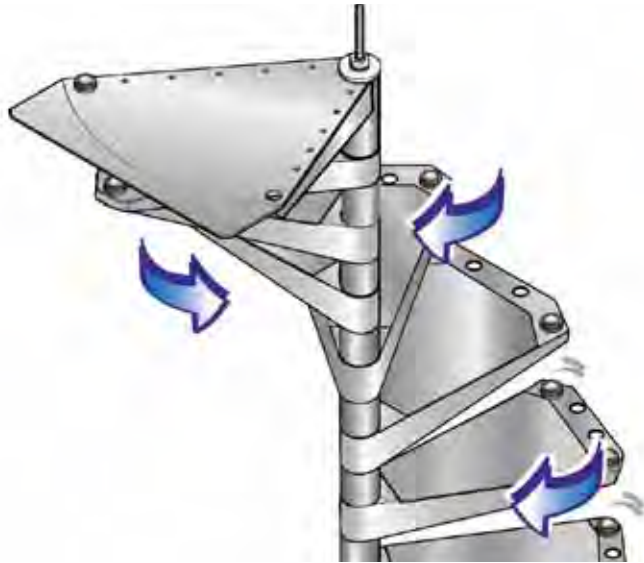
B13



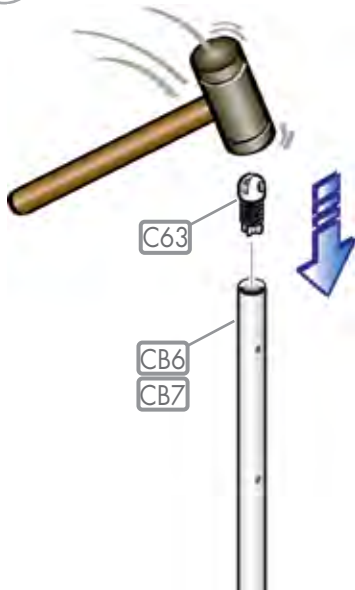
94



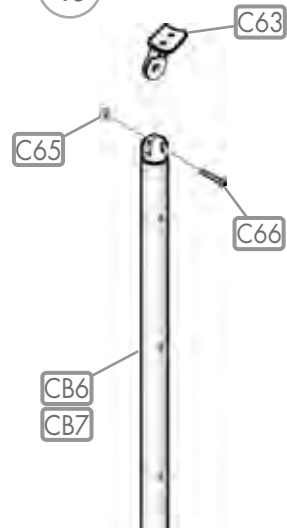
38



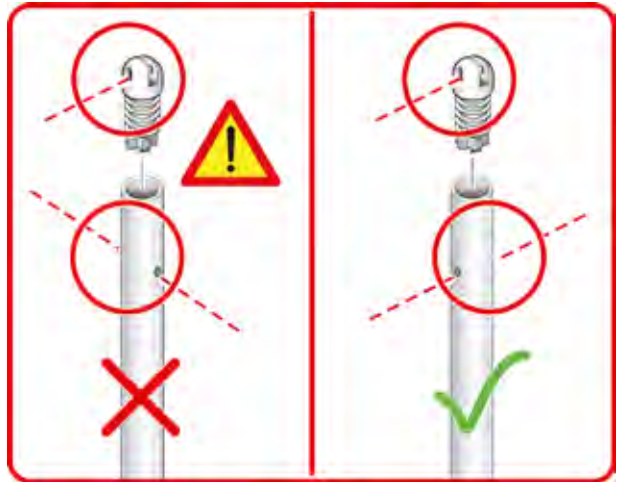
39



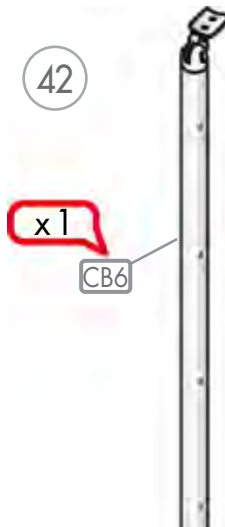
40



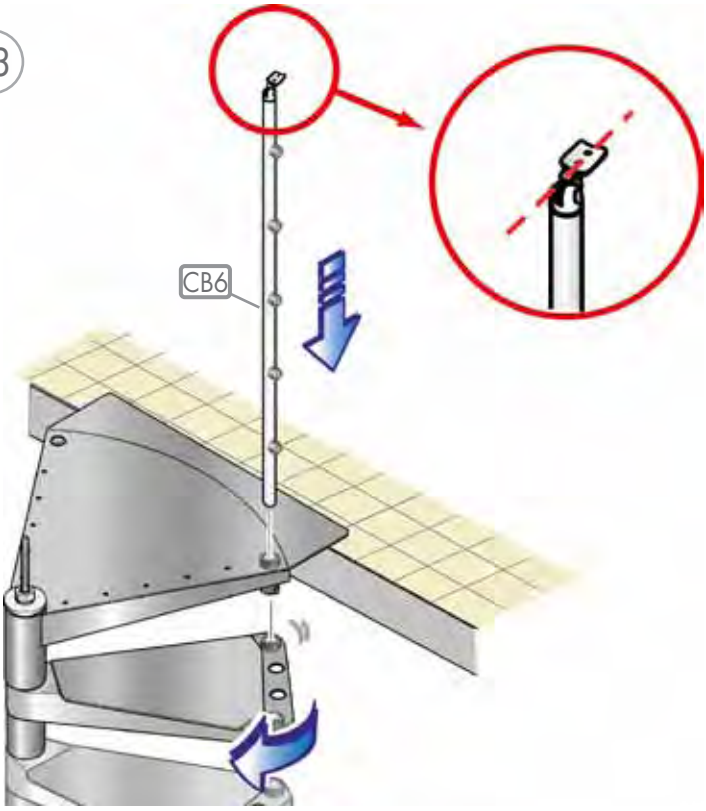
41



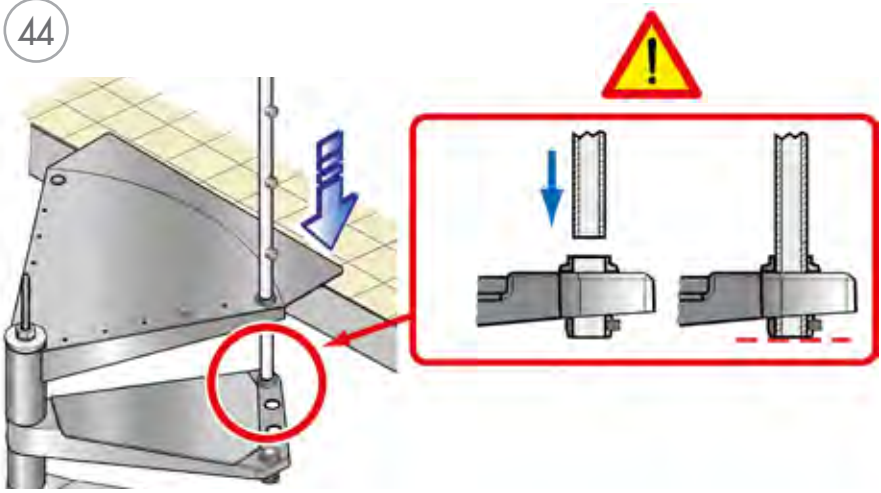
42



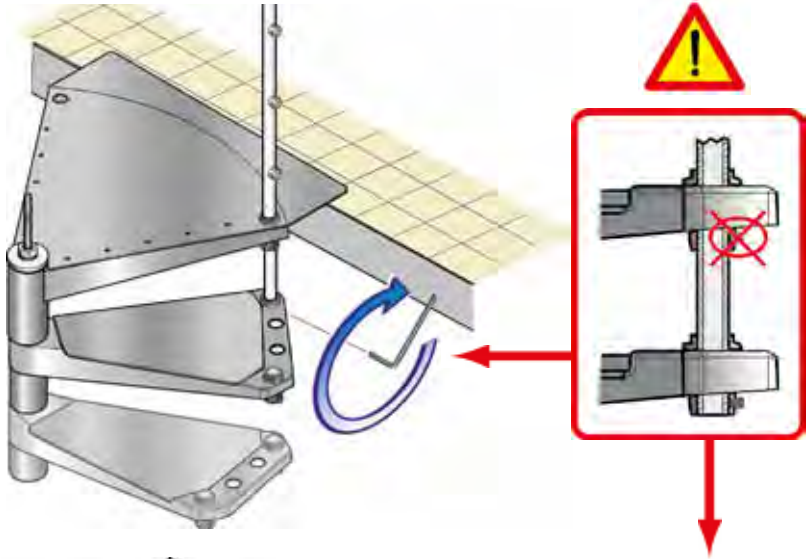
43



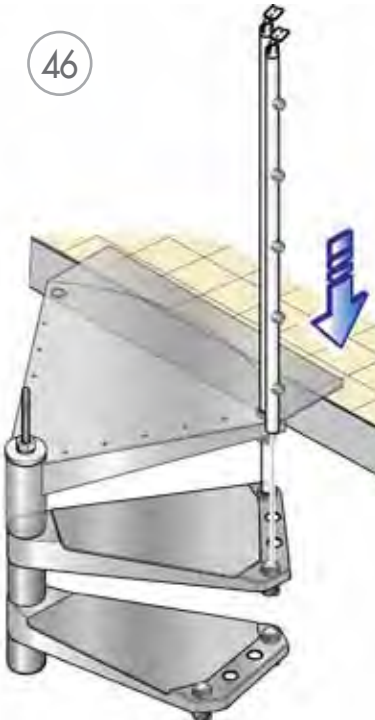
44



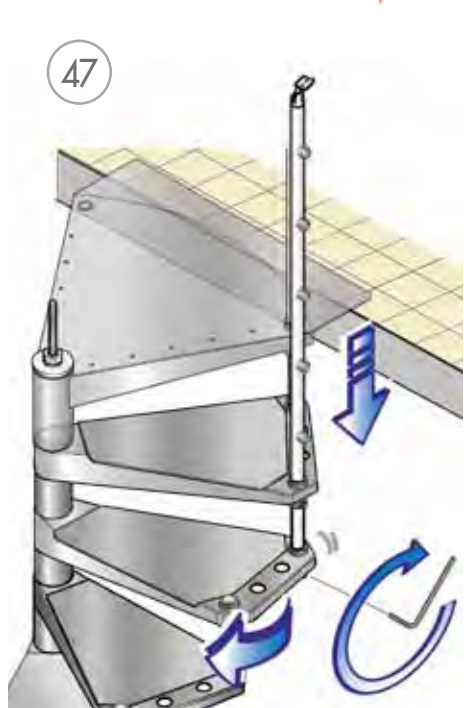
45



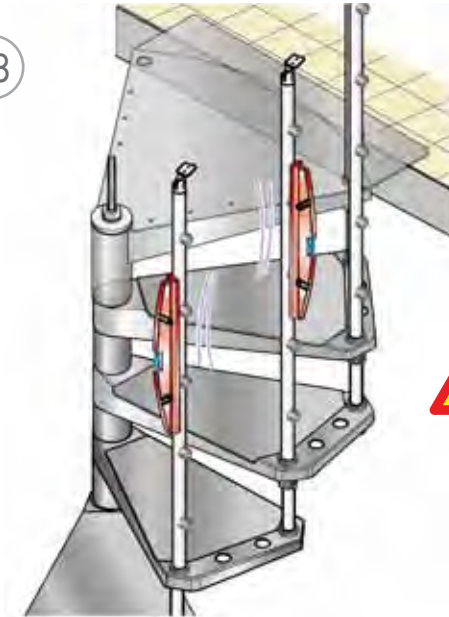
46



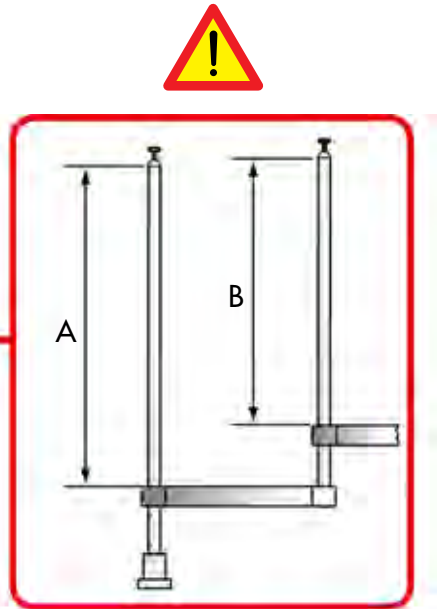
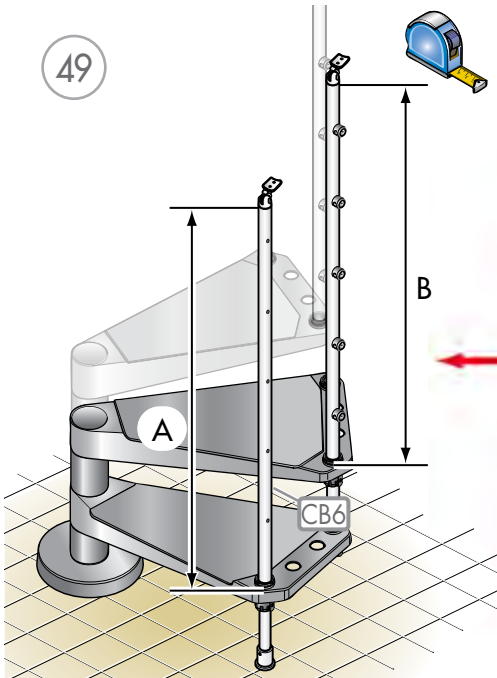
47



48

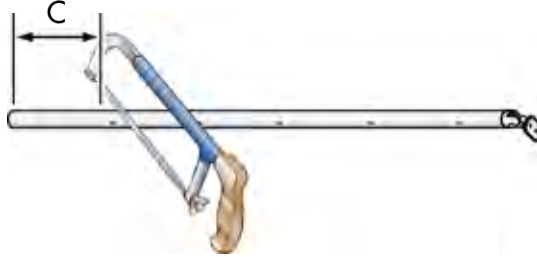


49

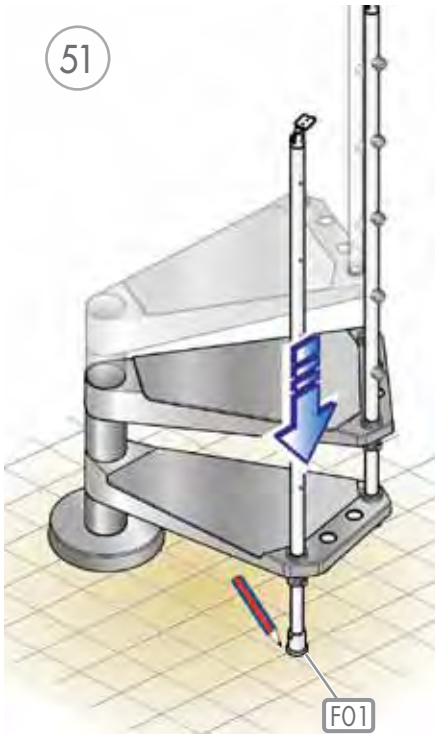


50

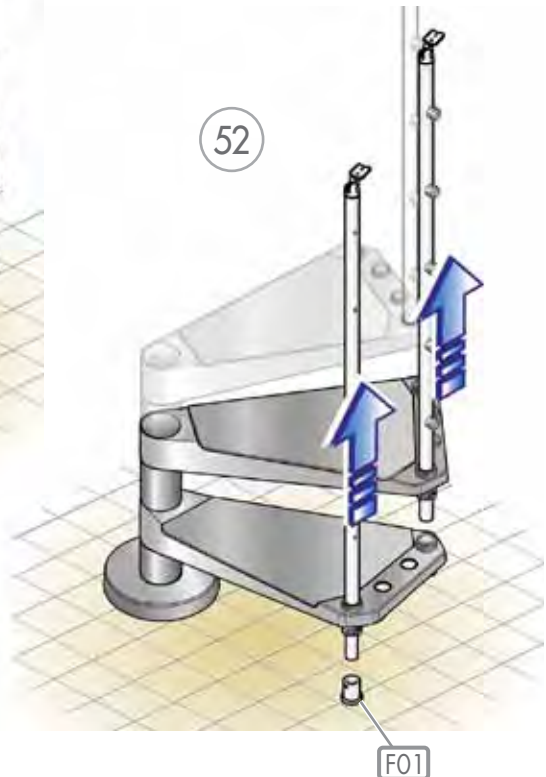
$$C = A - B$$



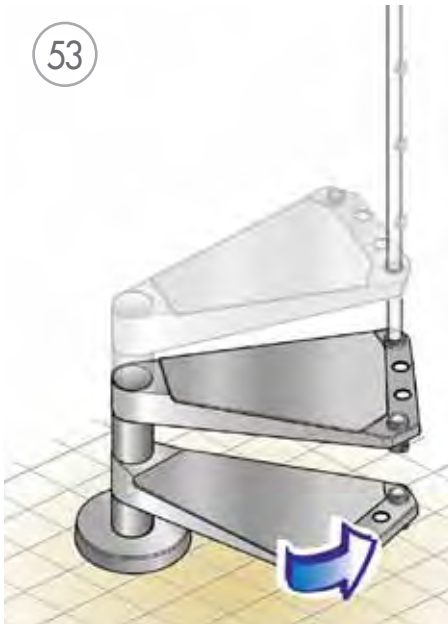
51



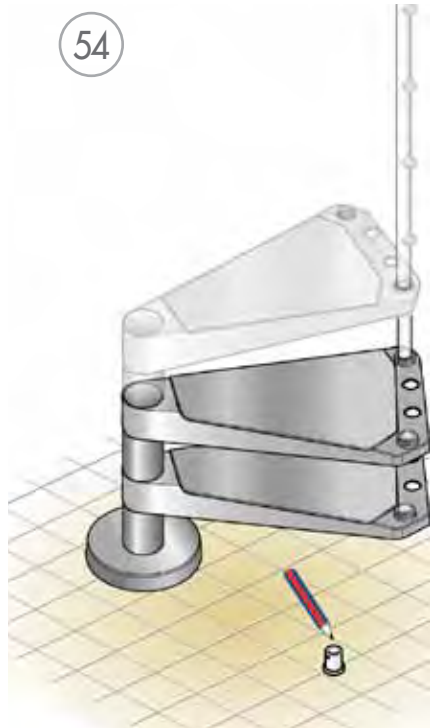
52



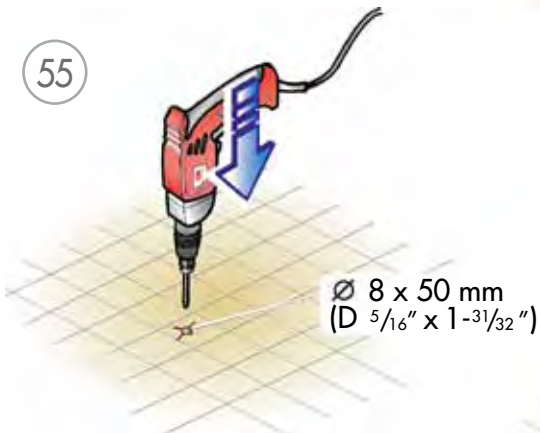
53



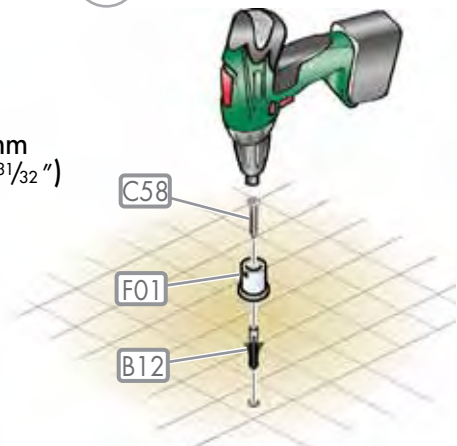
54

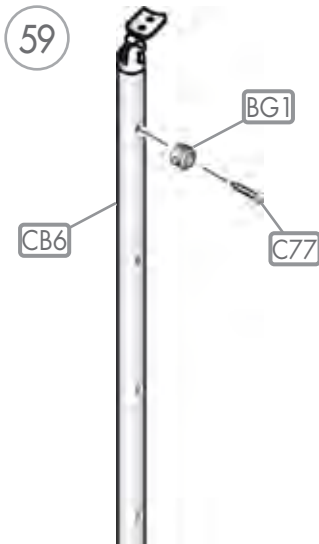
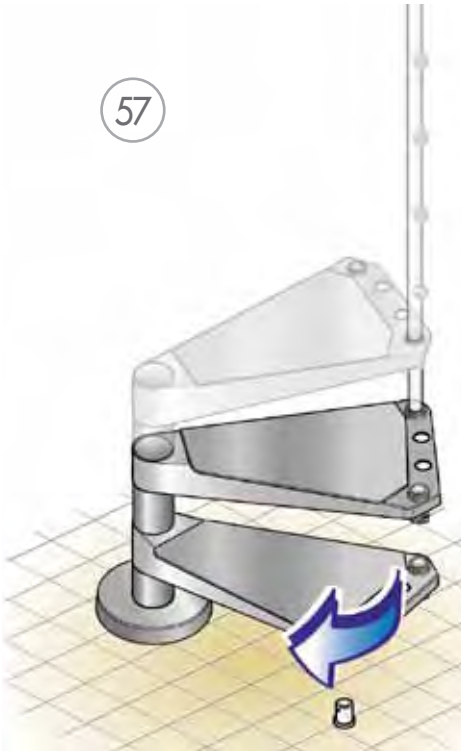


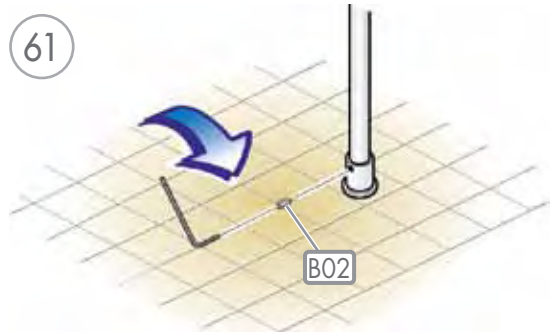
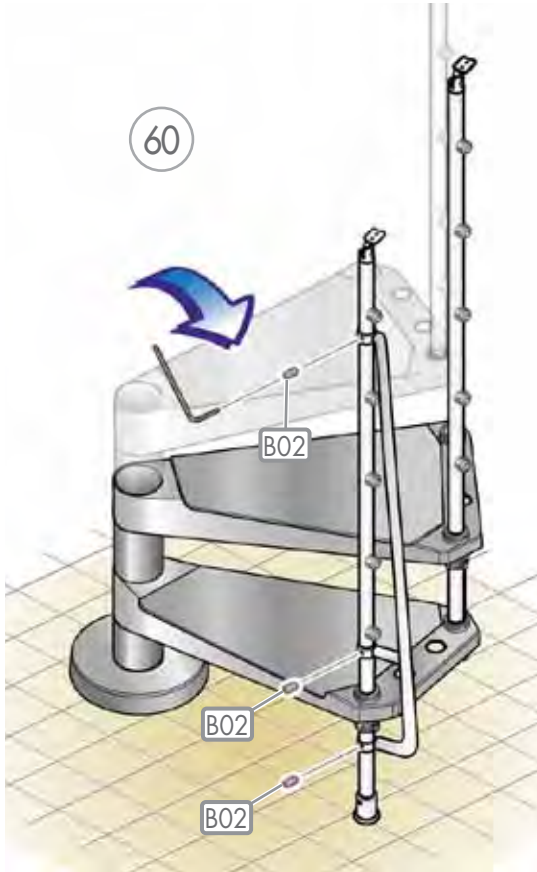
55

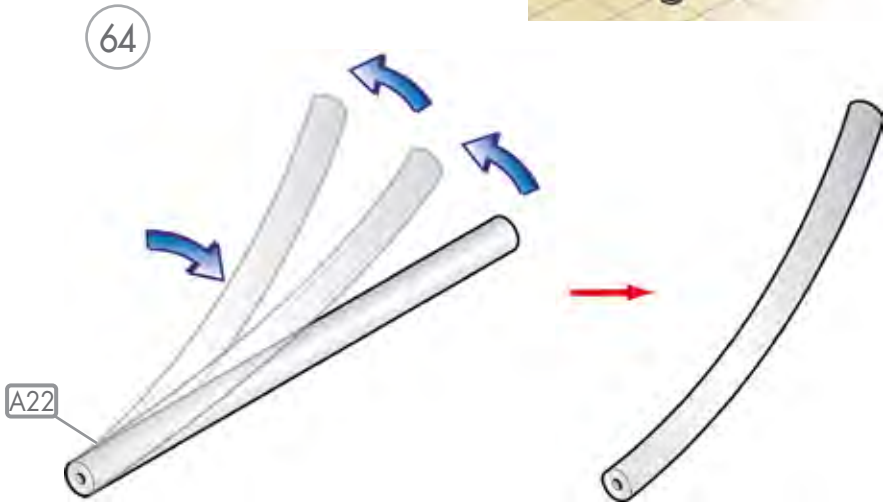
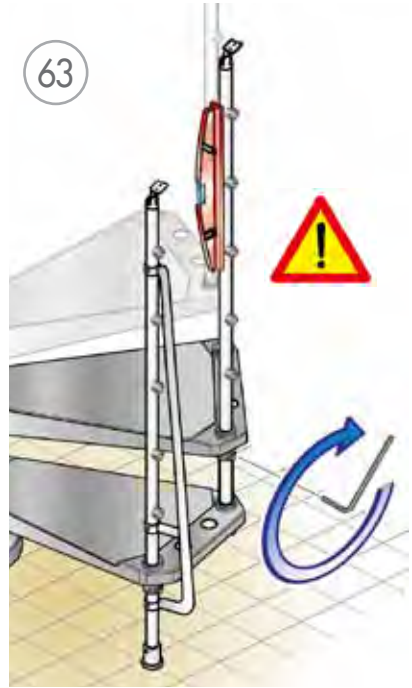


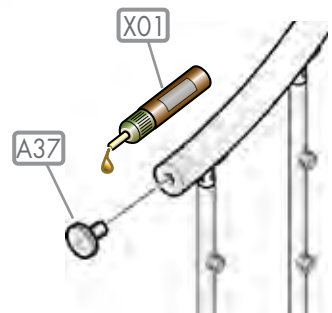
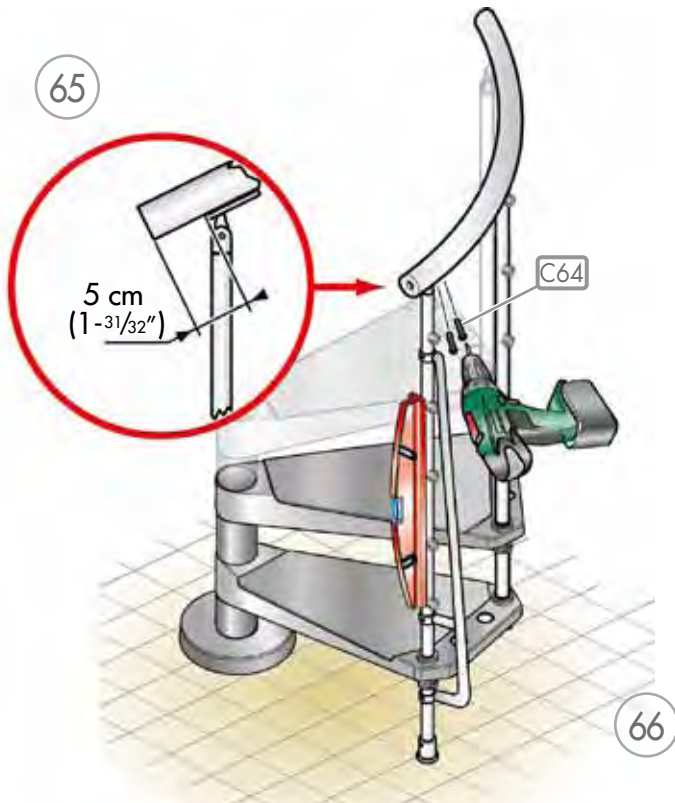
56

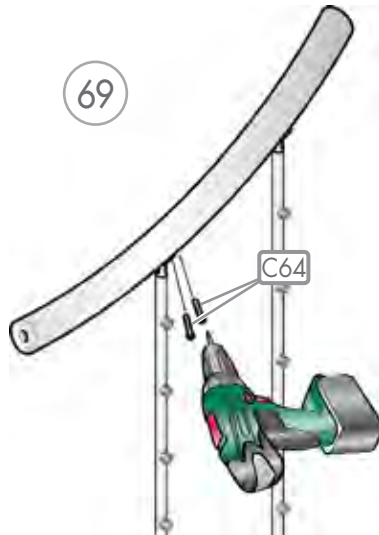
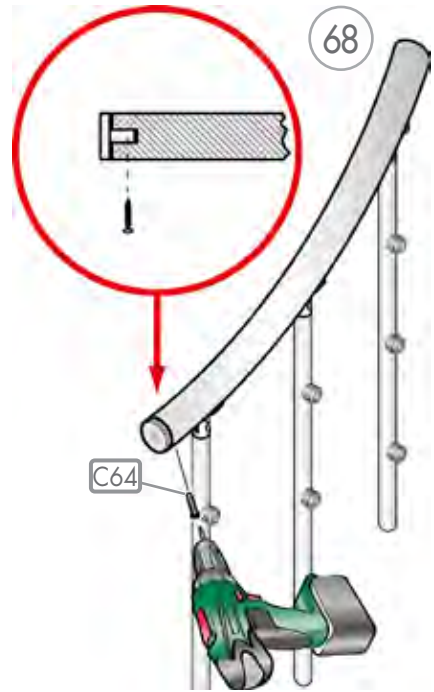
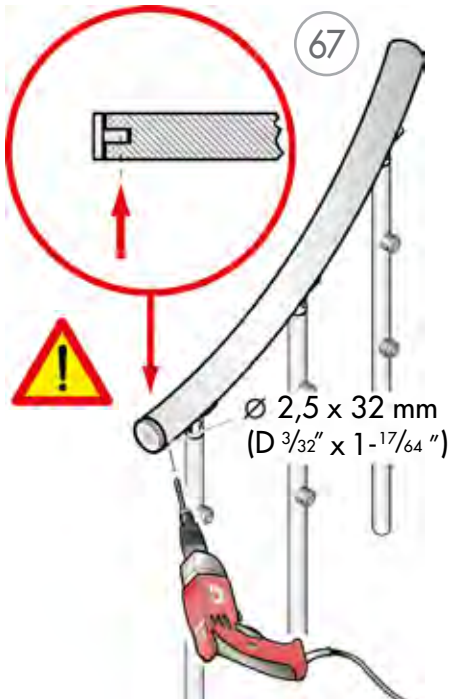


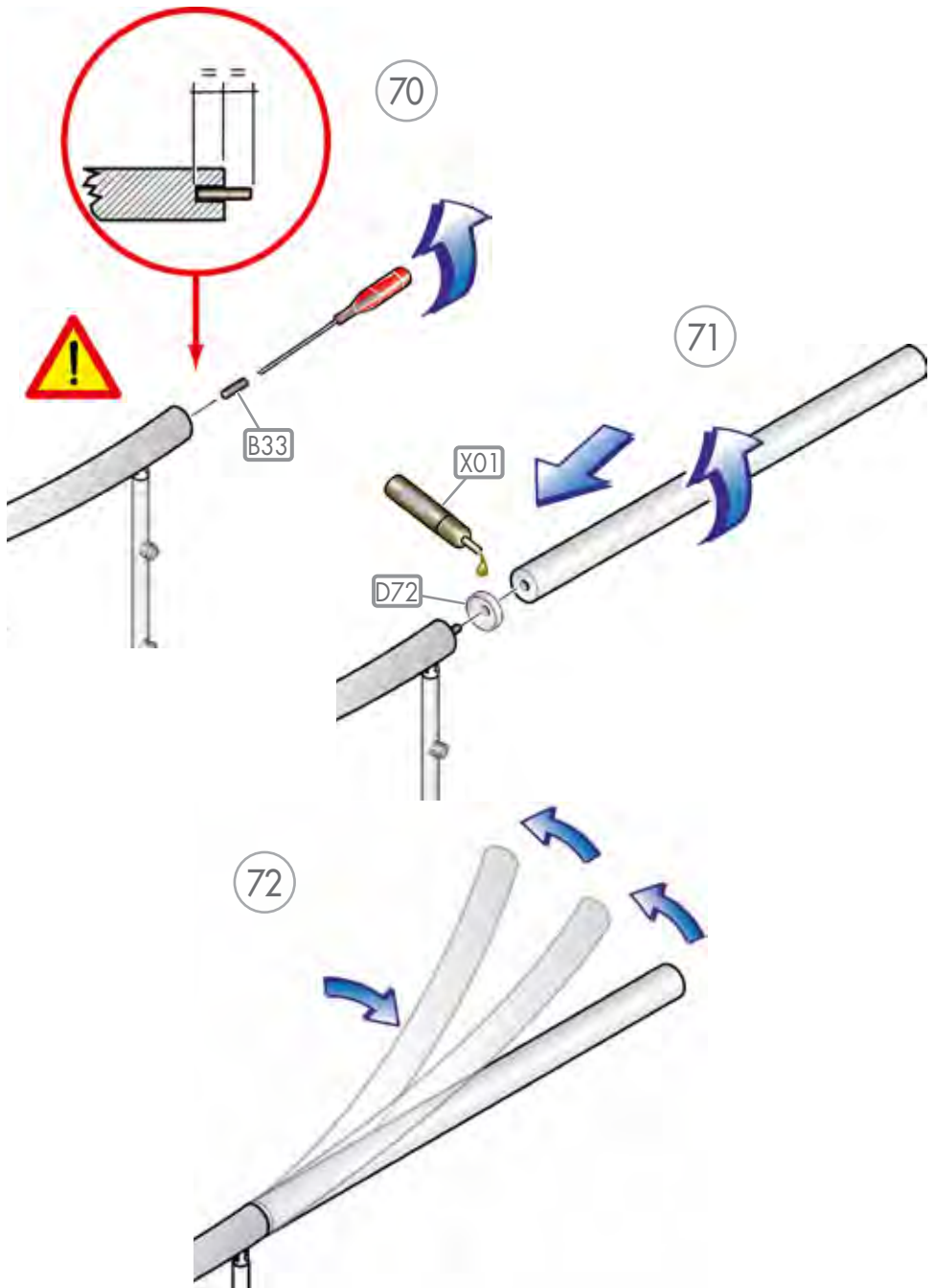


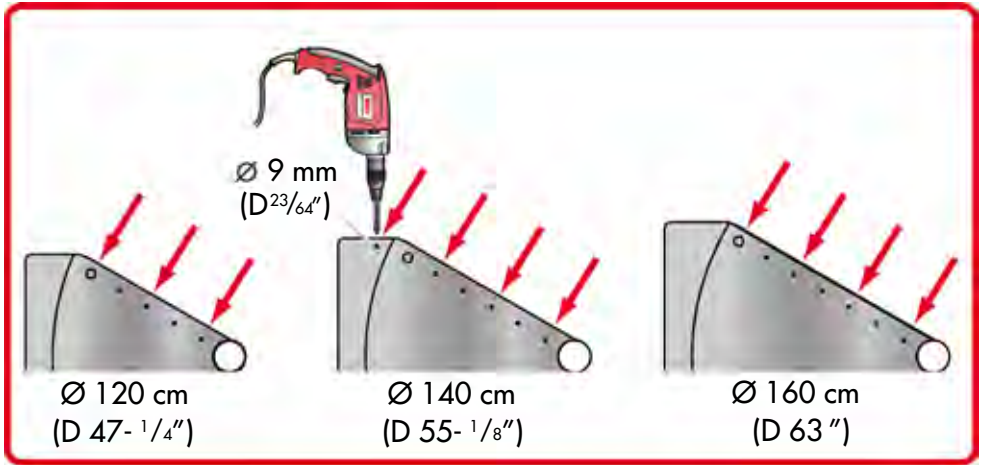




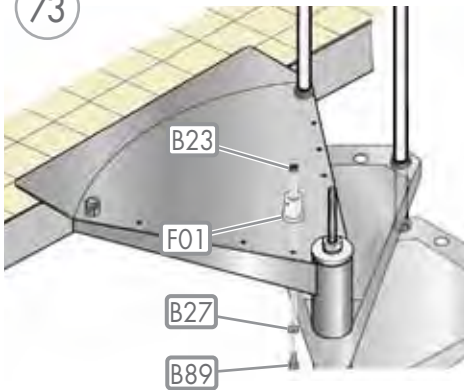




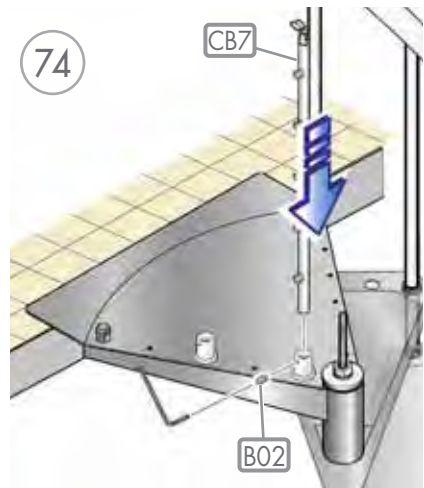


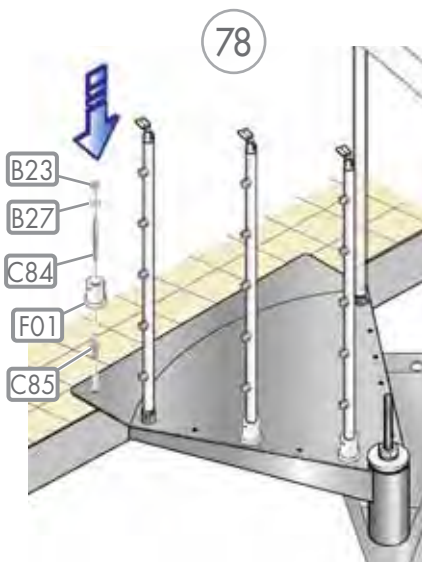
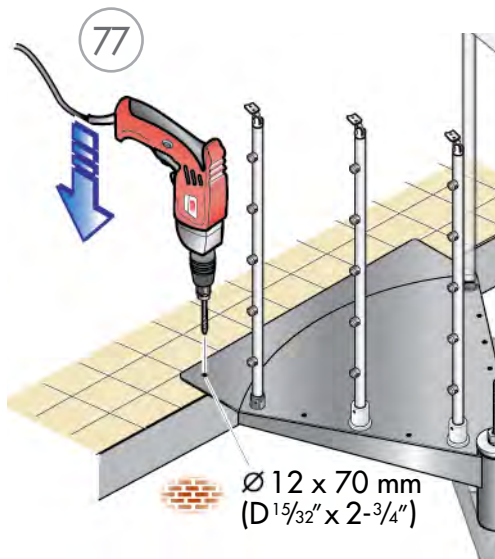
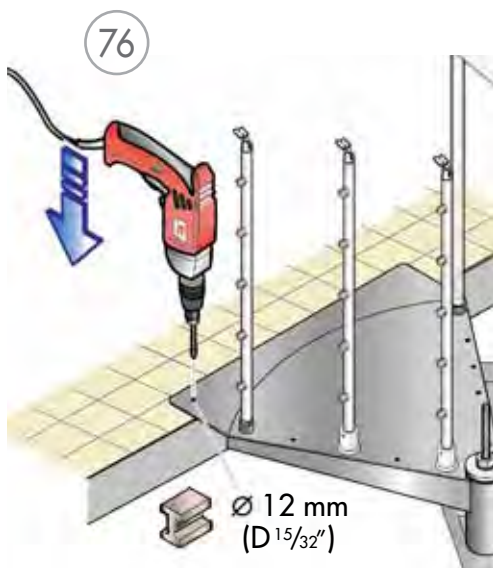
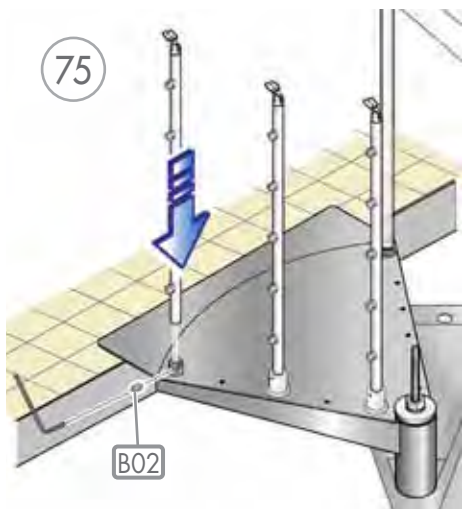


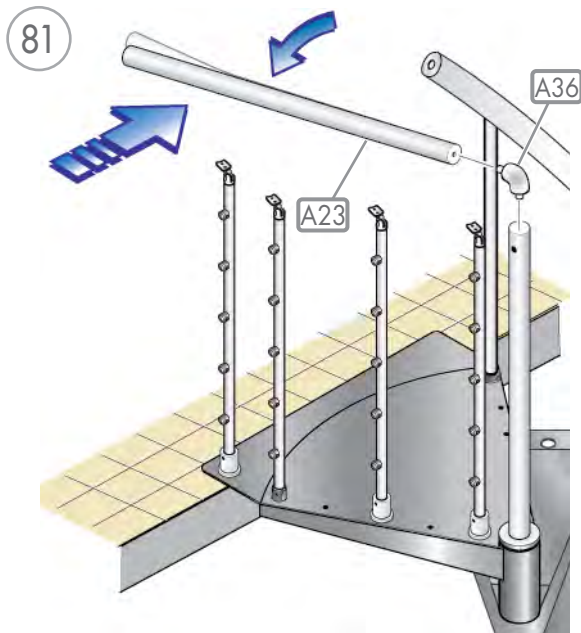
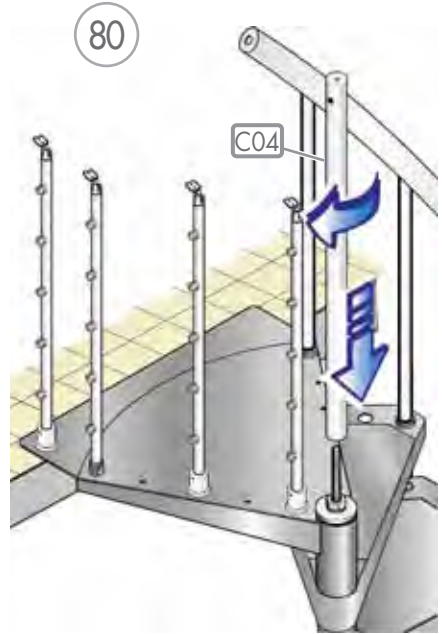
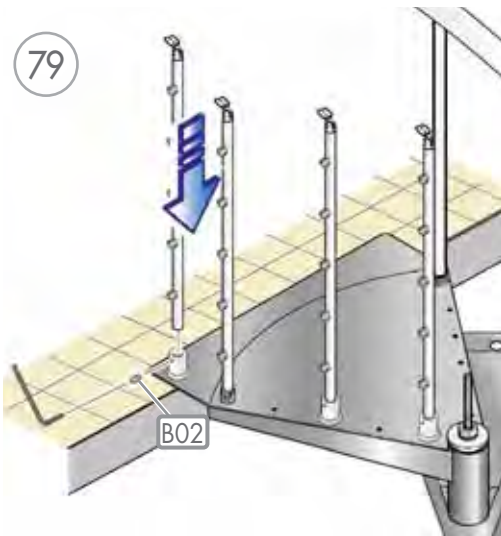
73



74

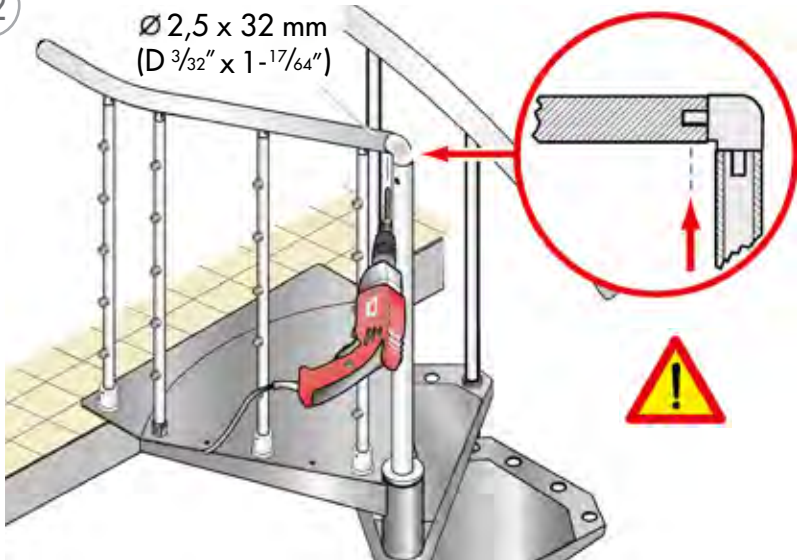






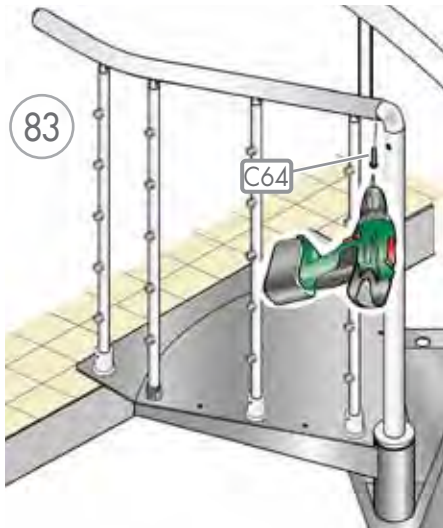
82

Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")



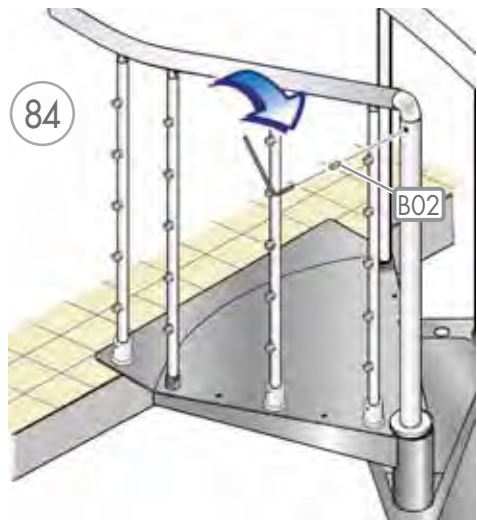
83

C64

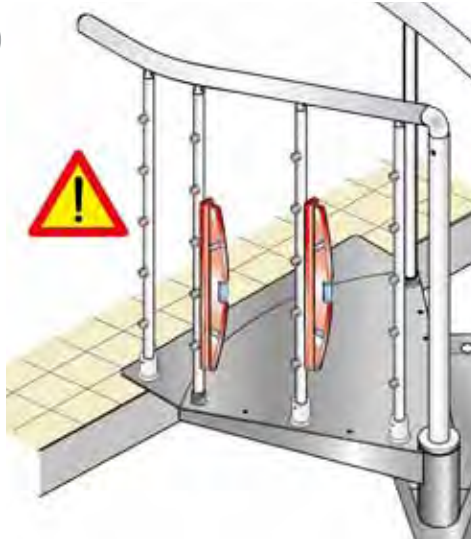


84

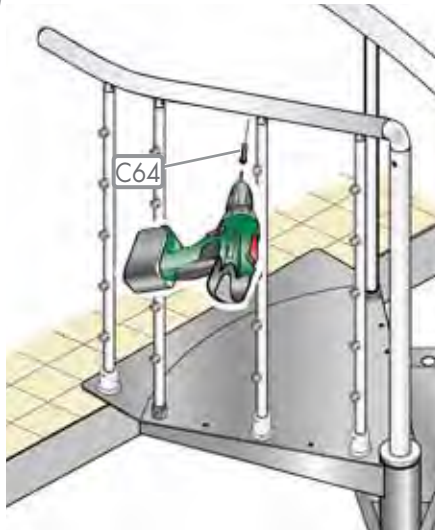
B02



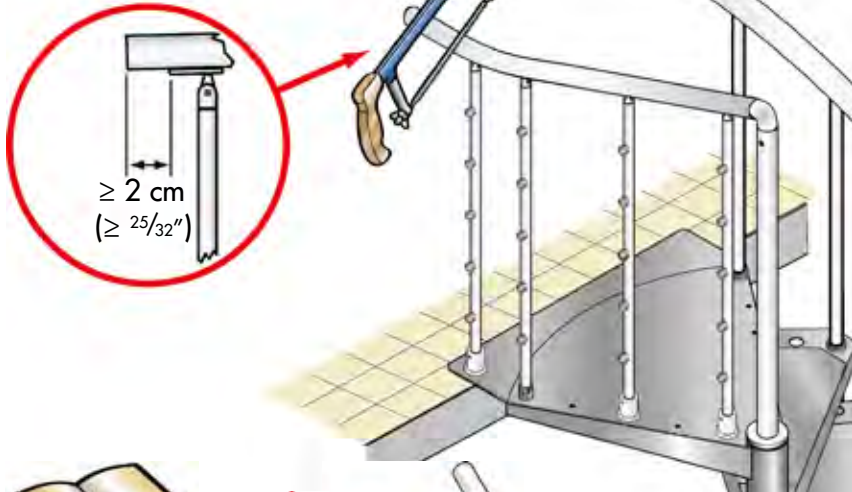
85



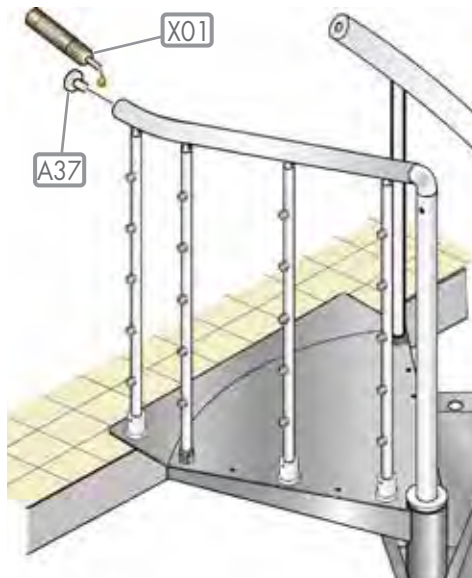
86



87

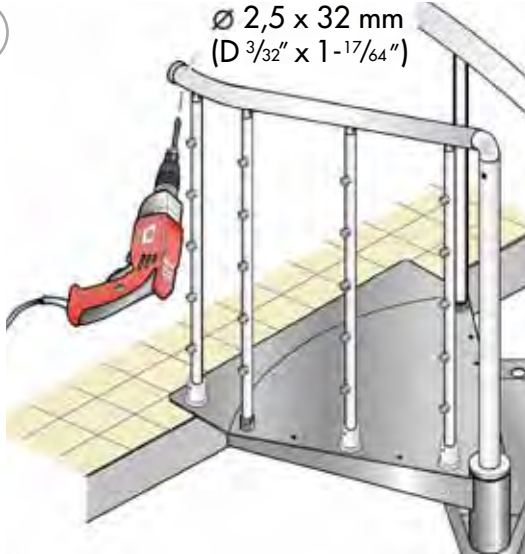


88



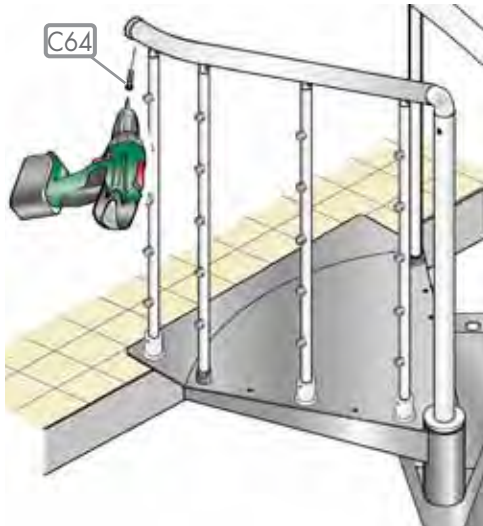
89

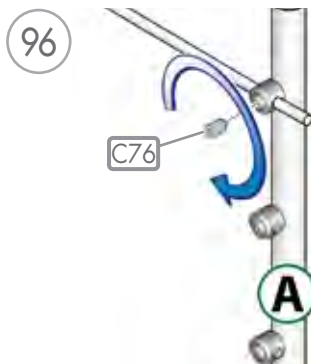
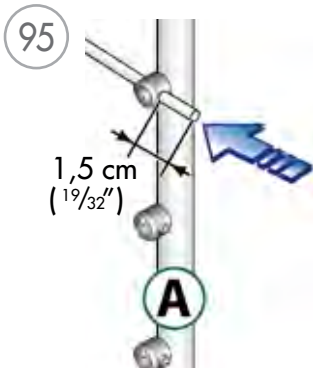
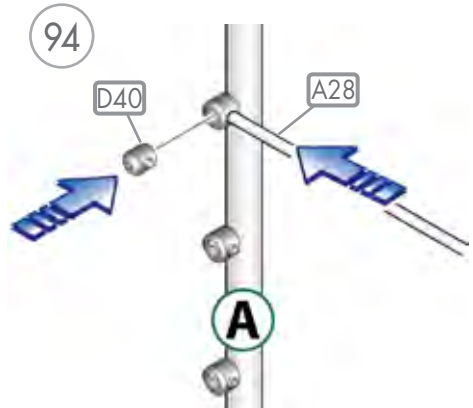
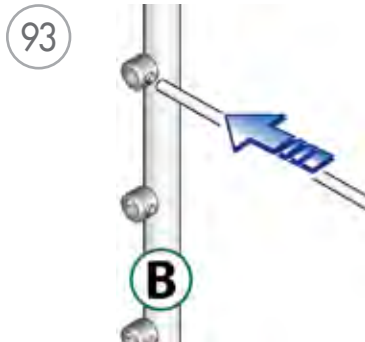
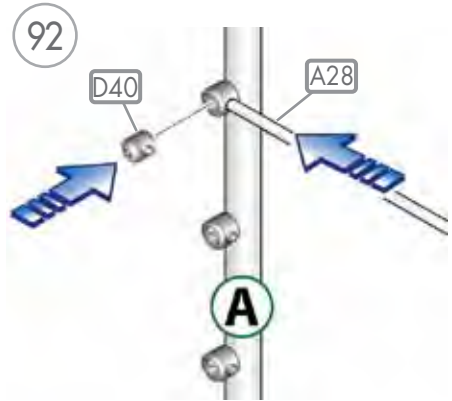
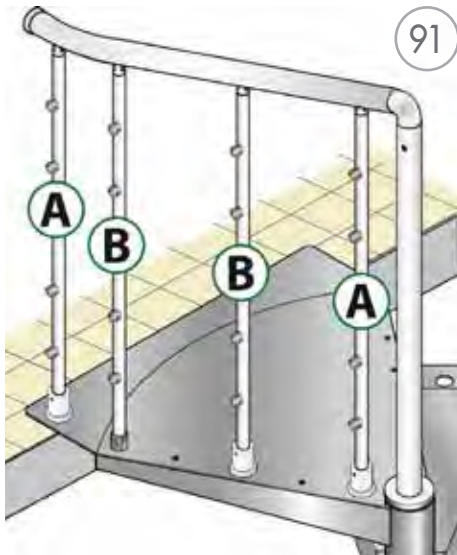
Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")

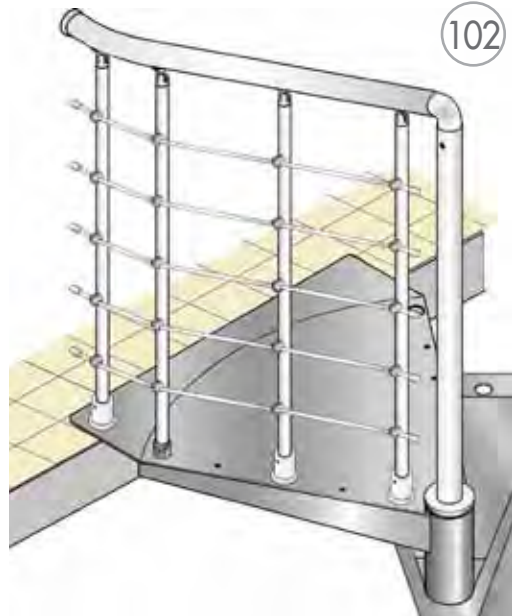
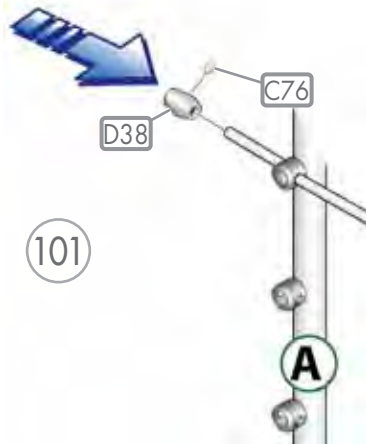
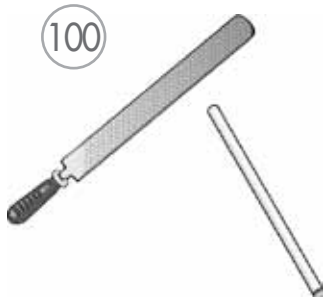
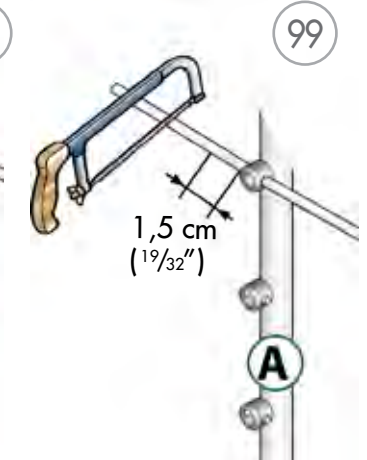
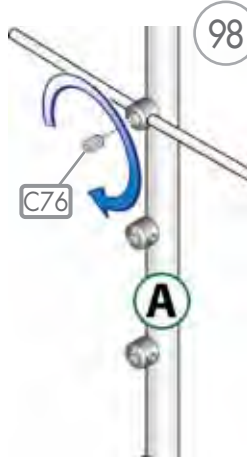
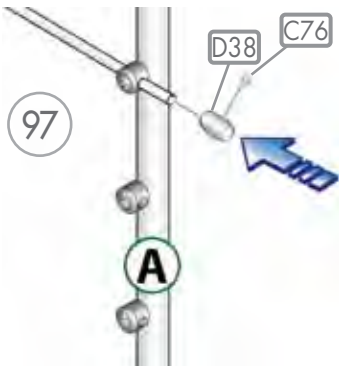


90

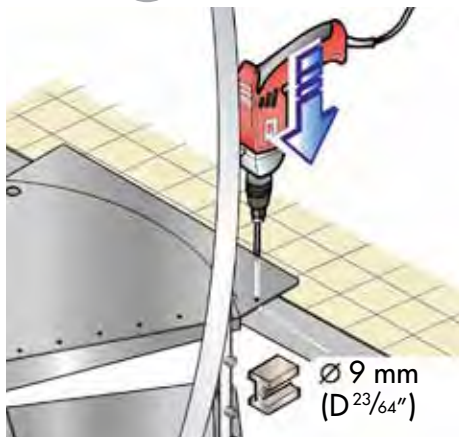
C64



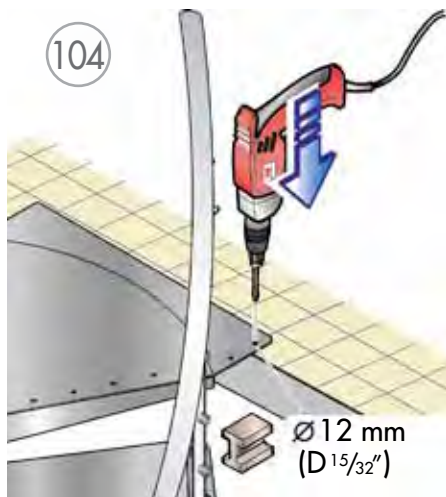




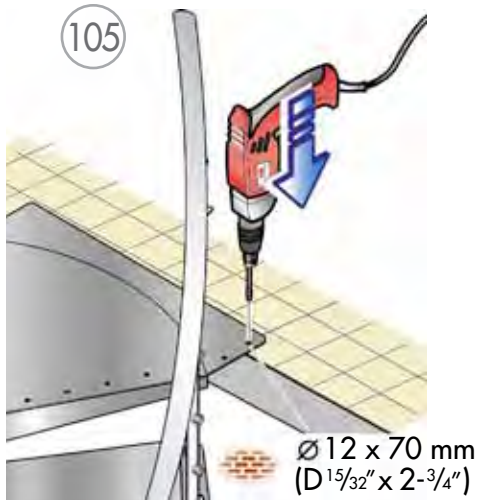
103



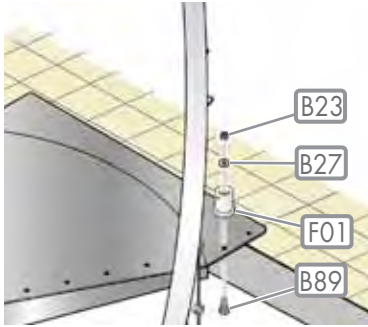
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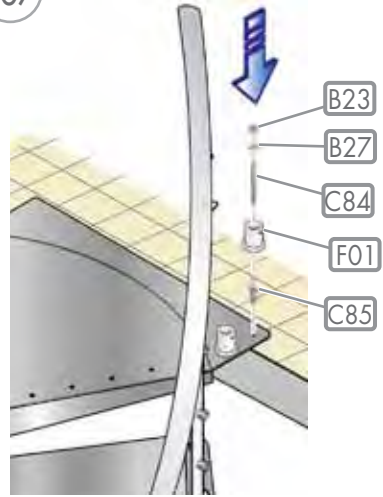
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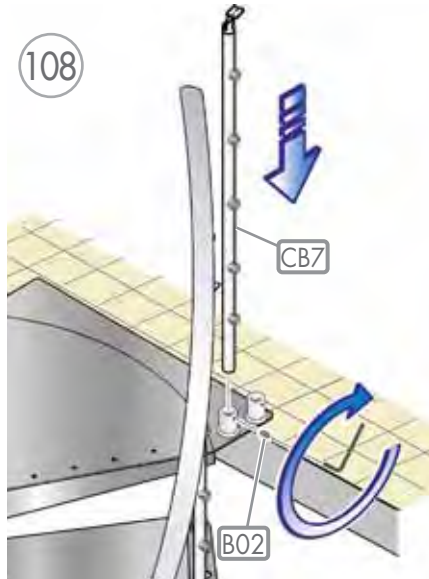
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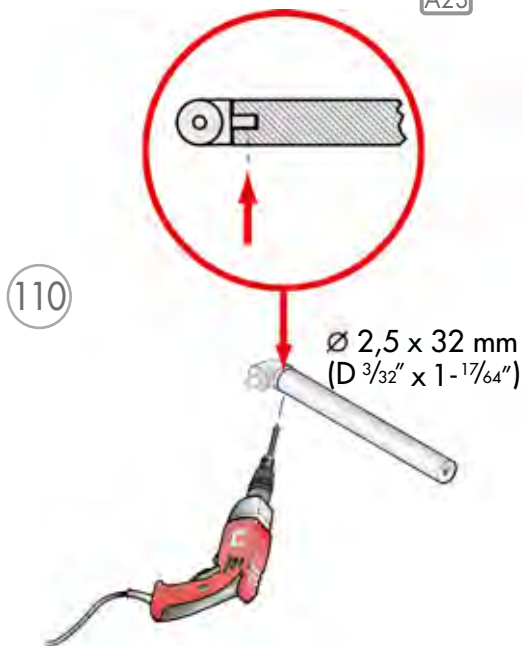
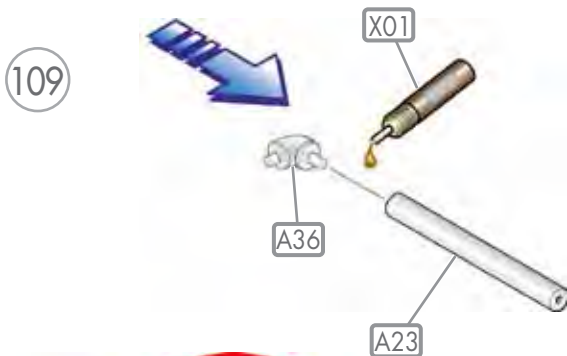


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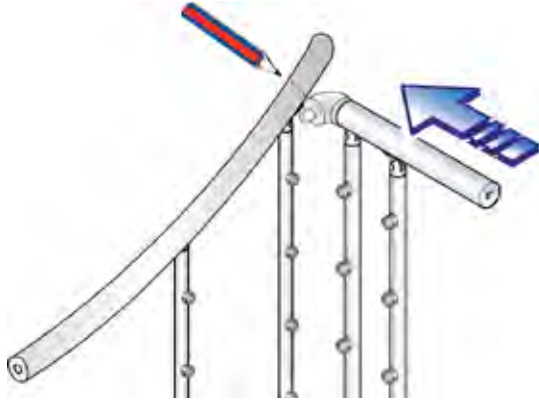


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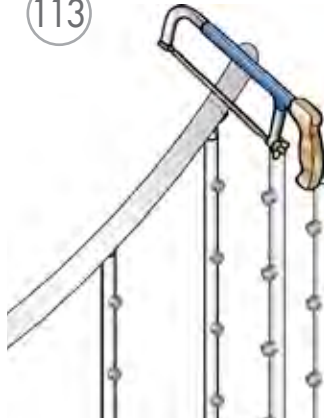




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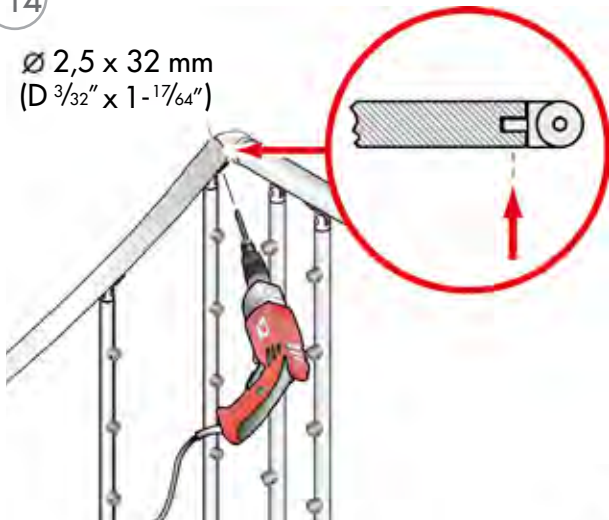


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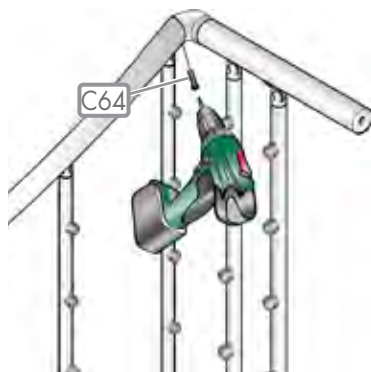


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Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")

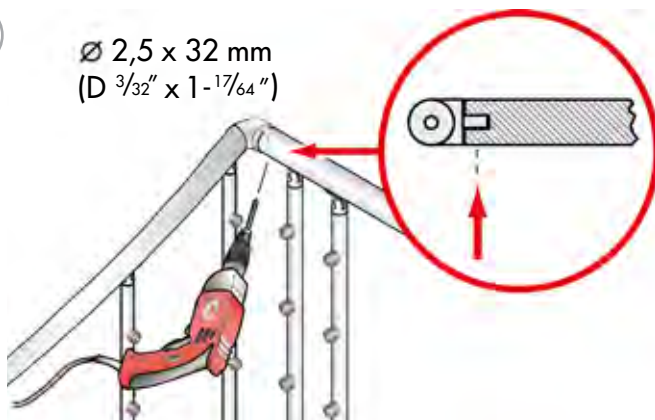


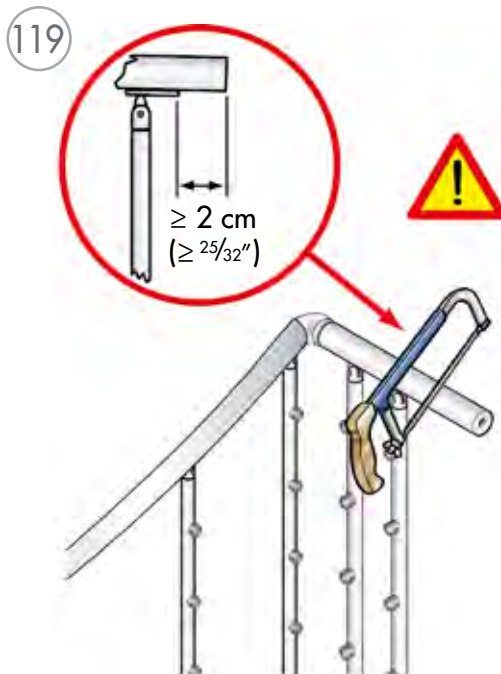
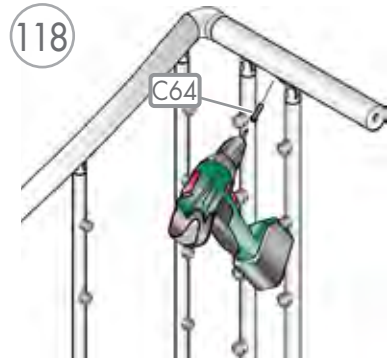
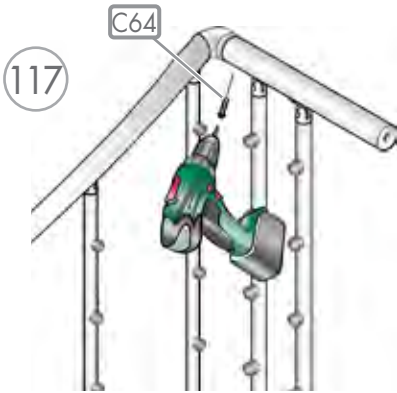
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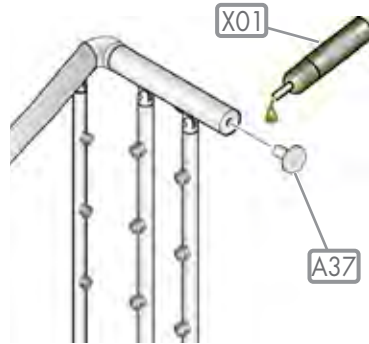
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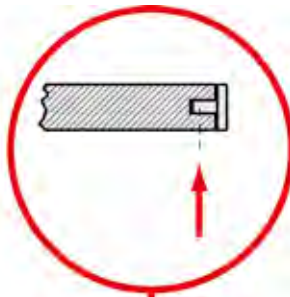




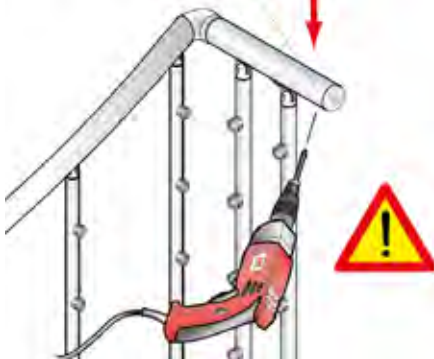
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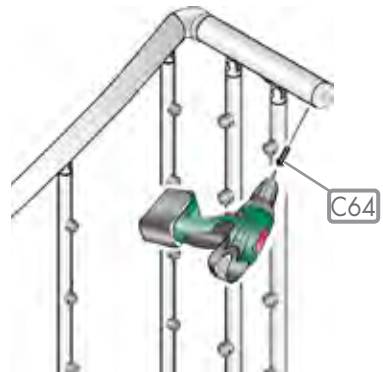
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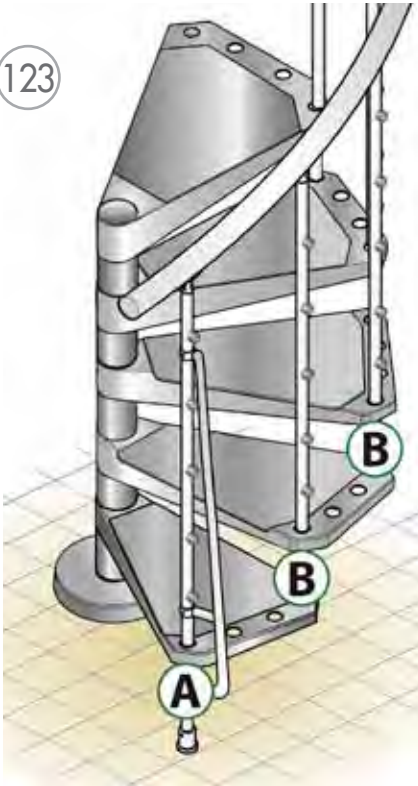
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(D 3/32" x 1-17/64")



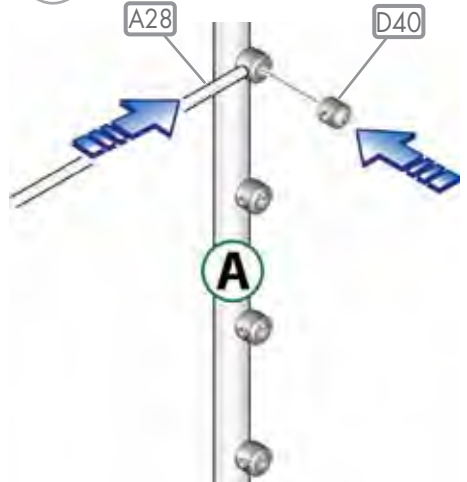
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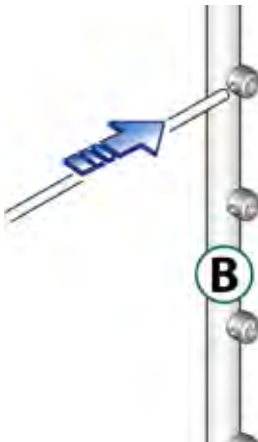
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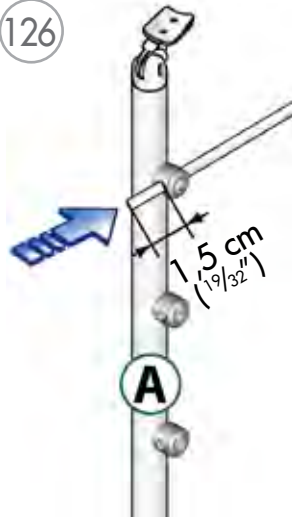
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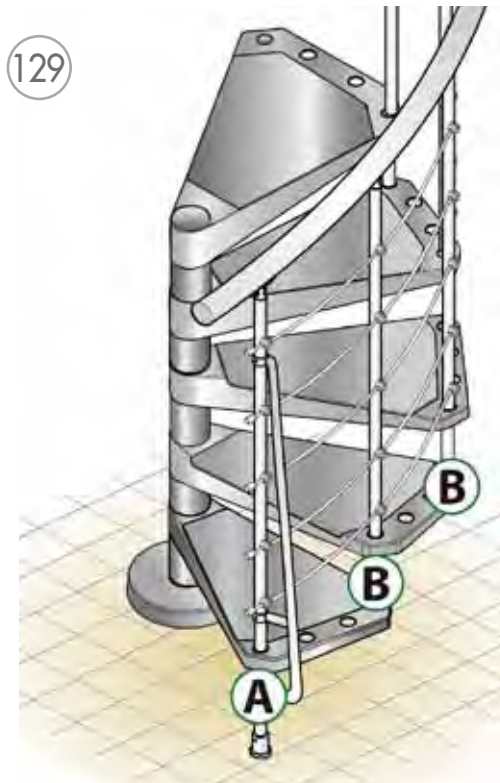
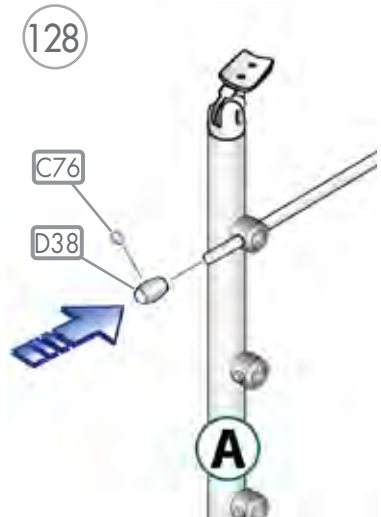
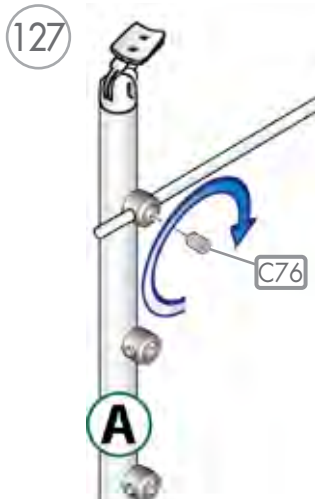


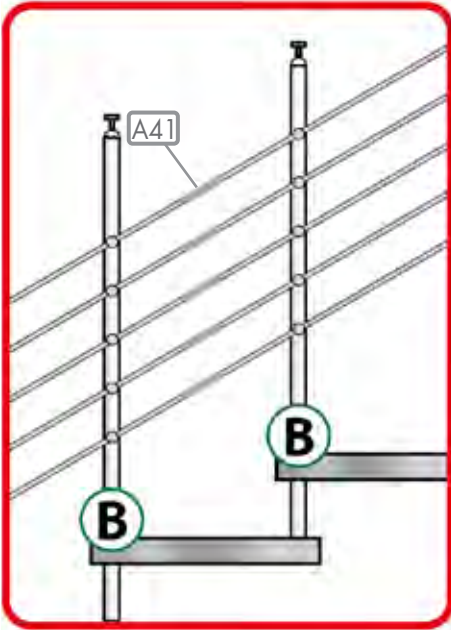
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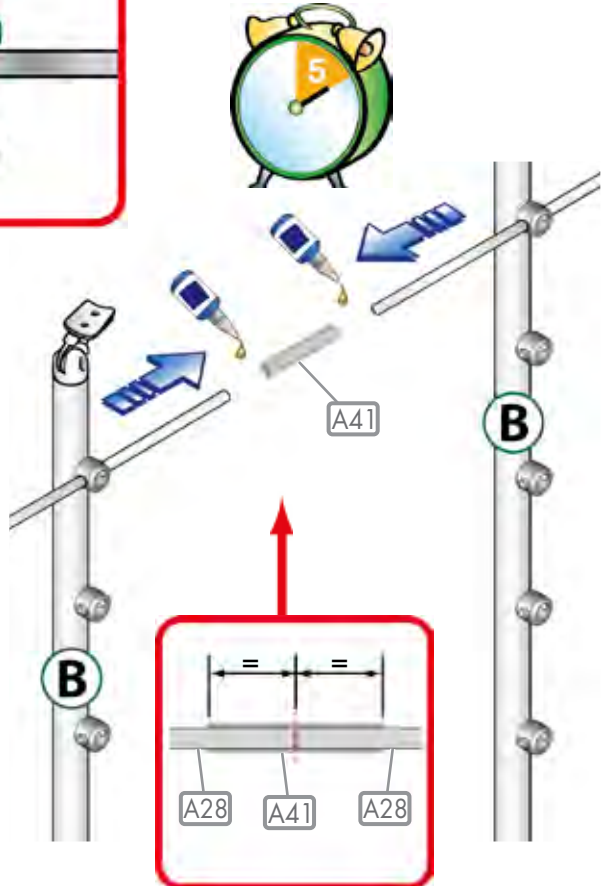
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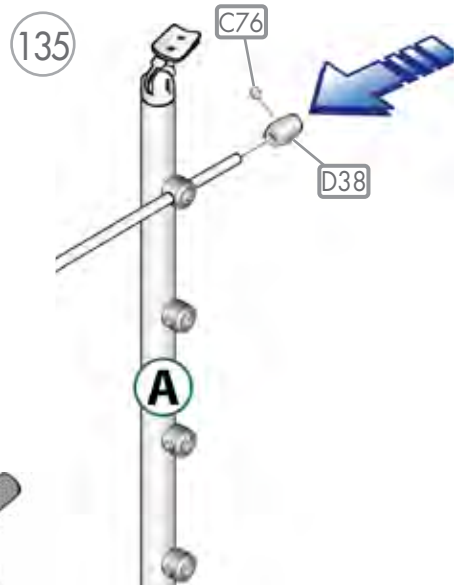
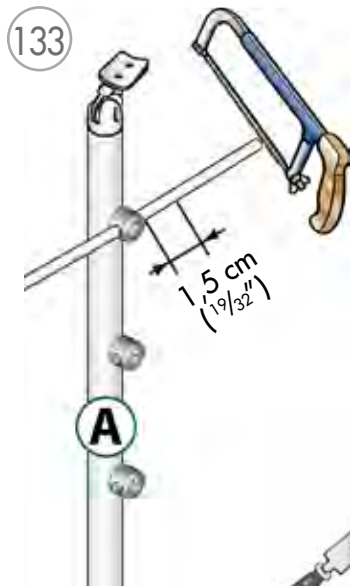
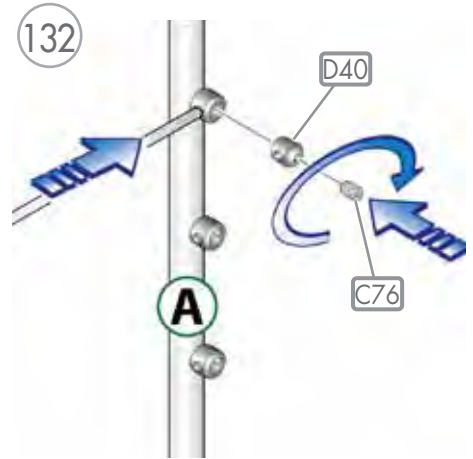
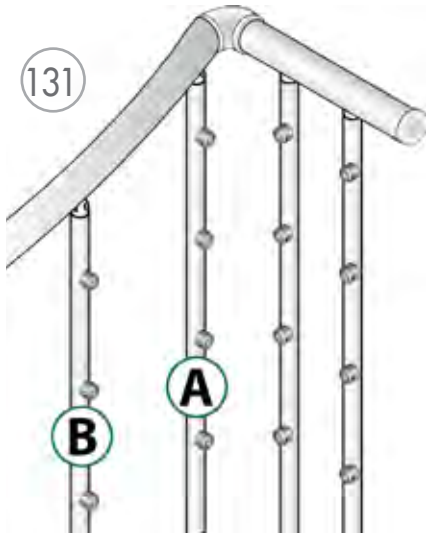




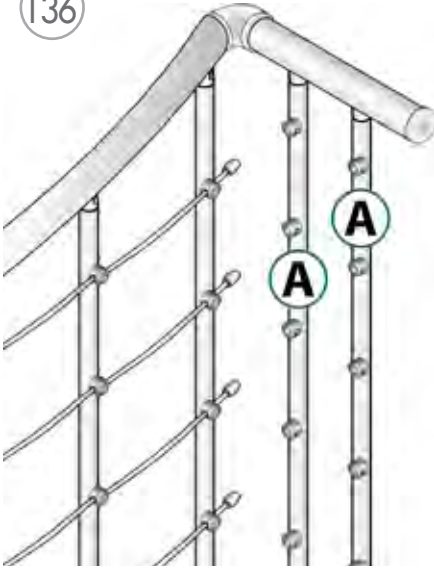


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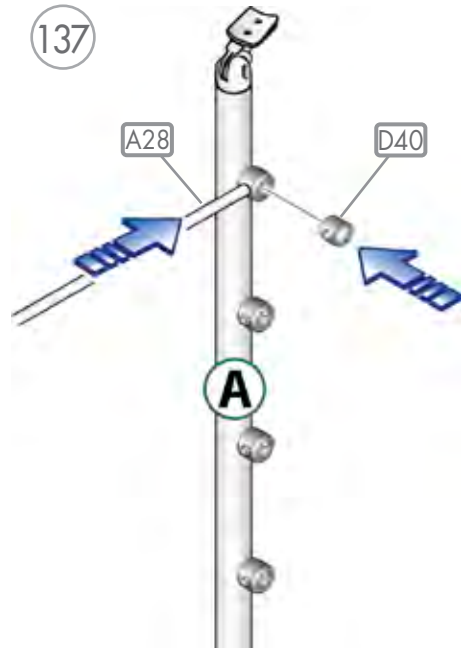




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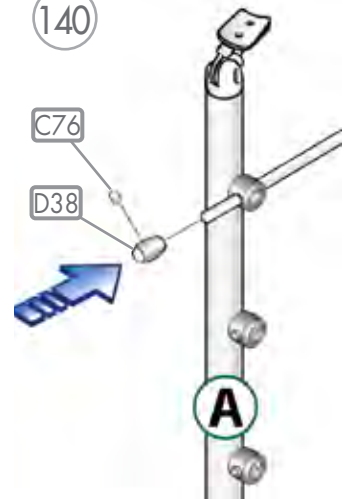
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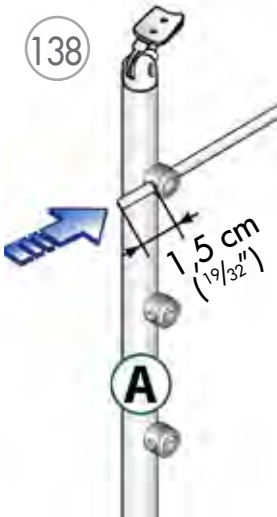
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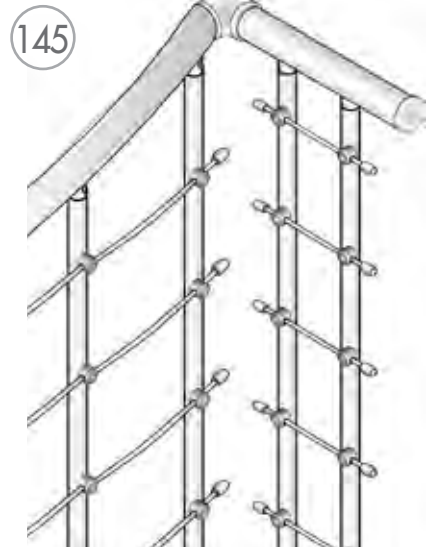
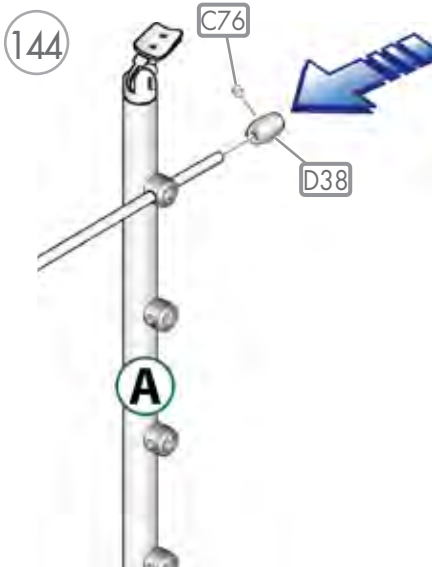
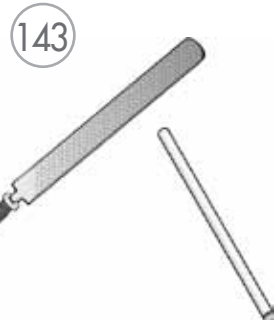
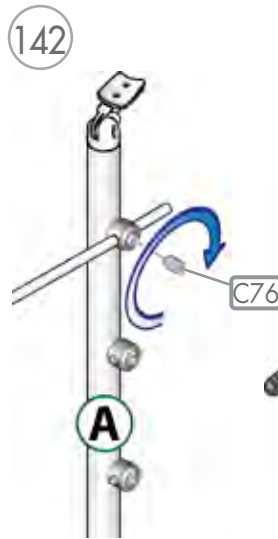
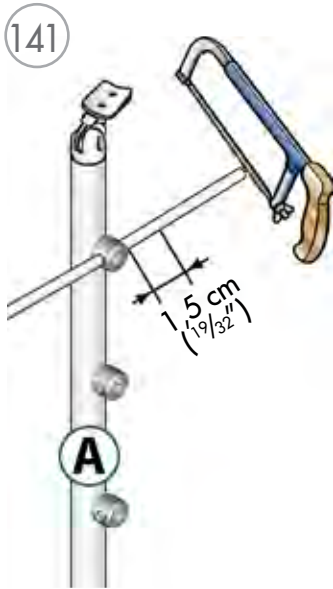


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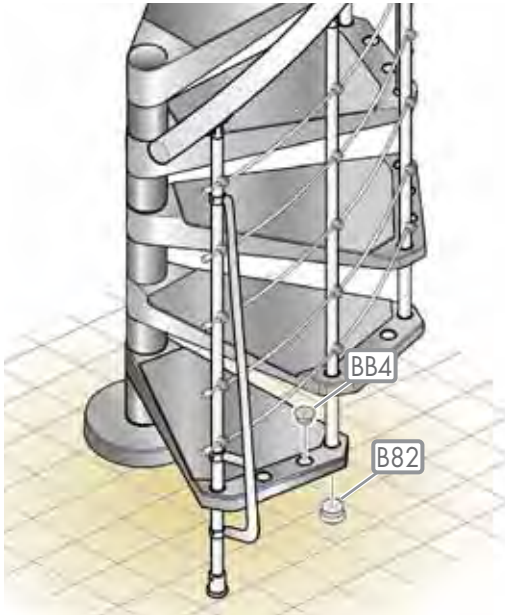


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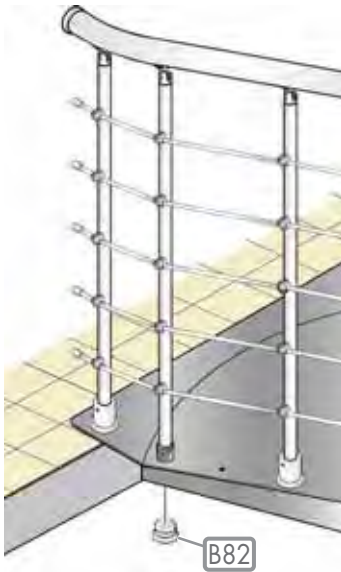




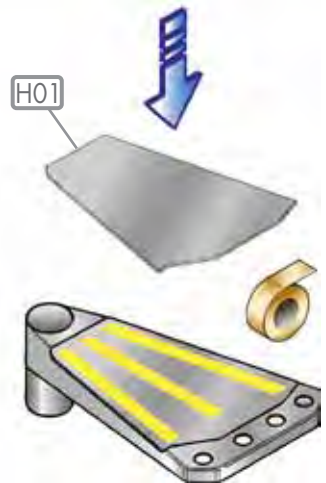
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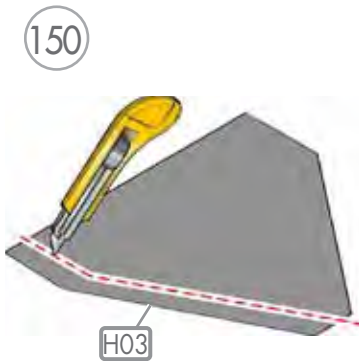
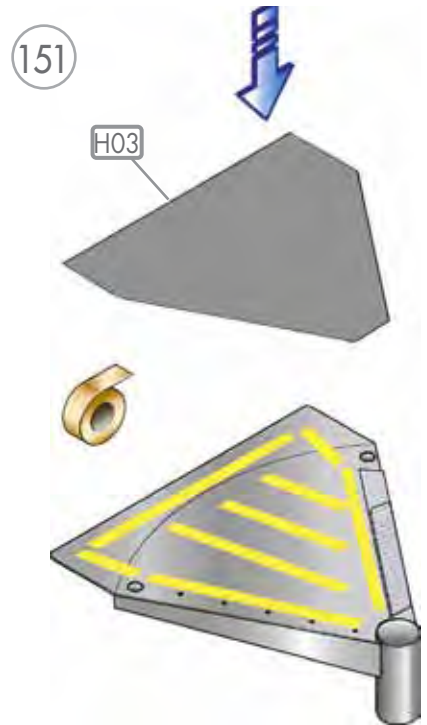
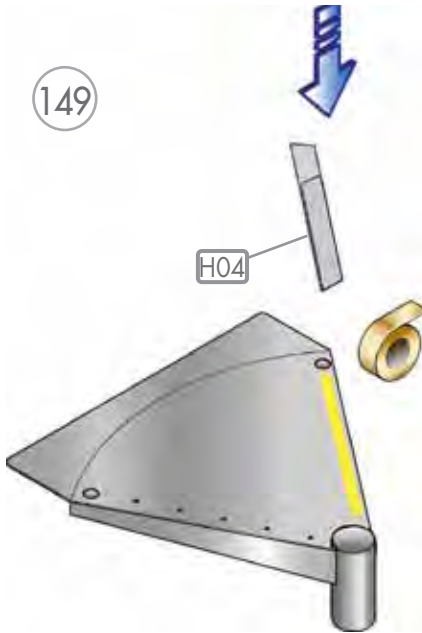


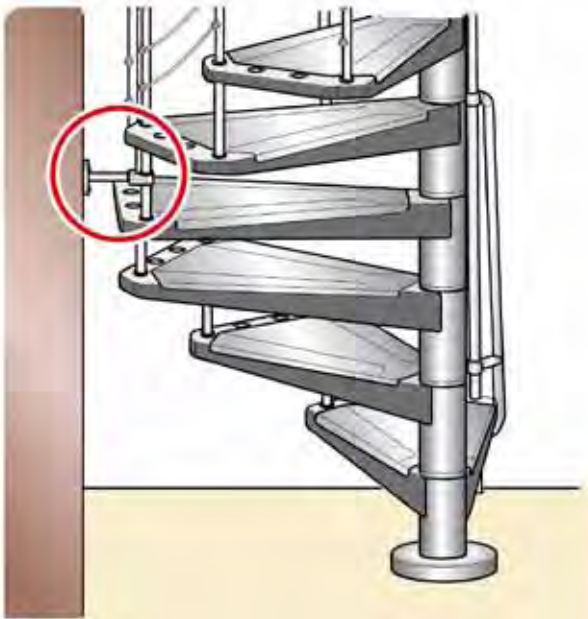
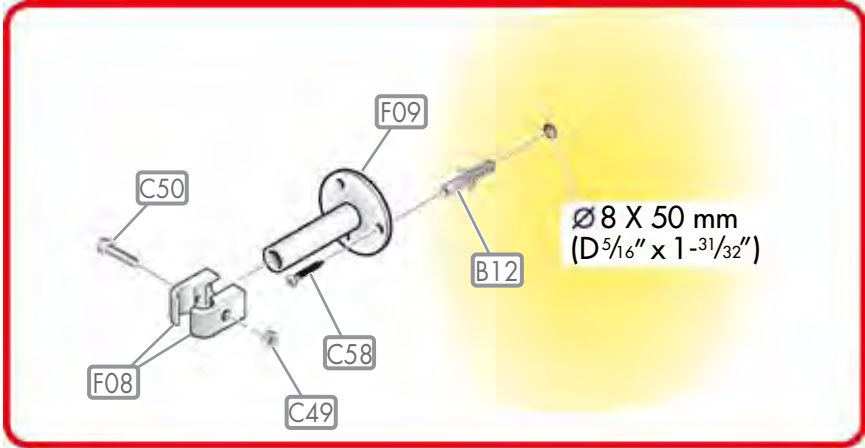
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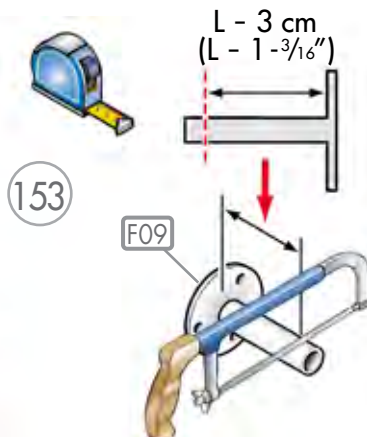
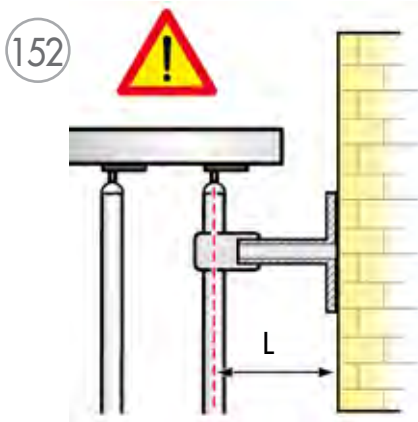
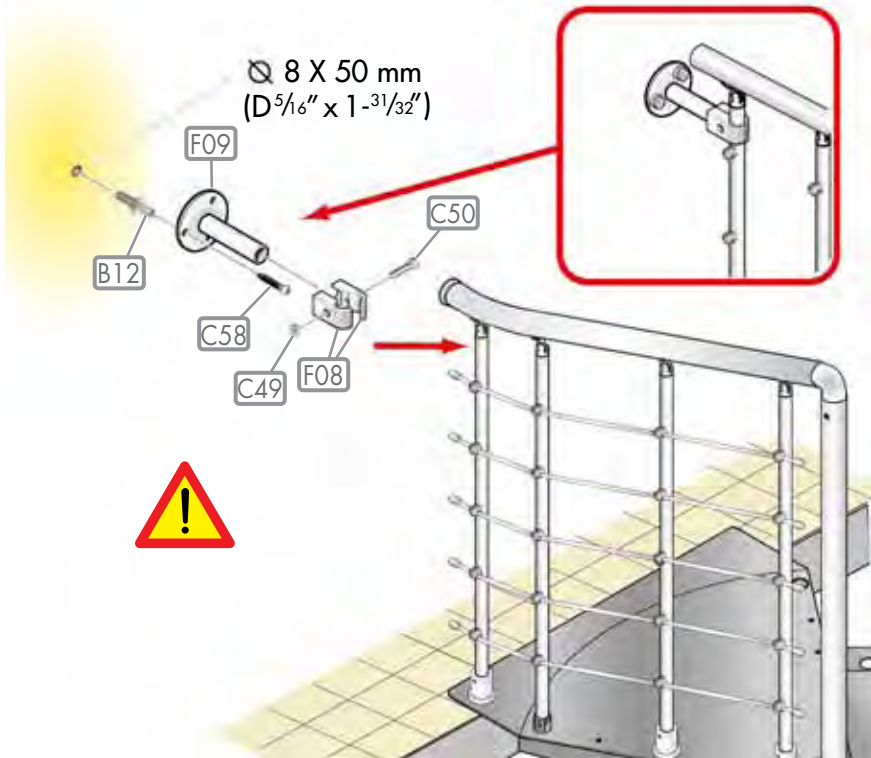


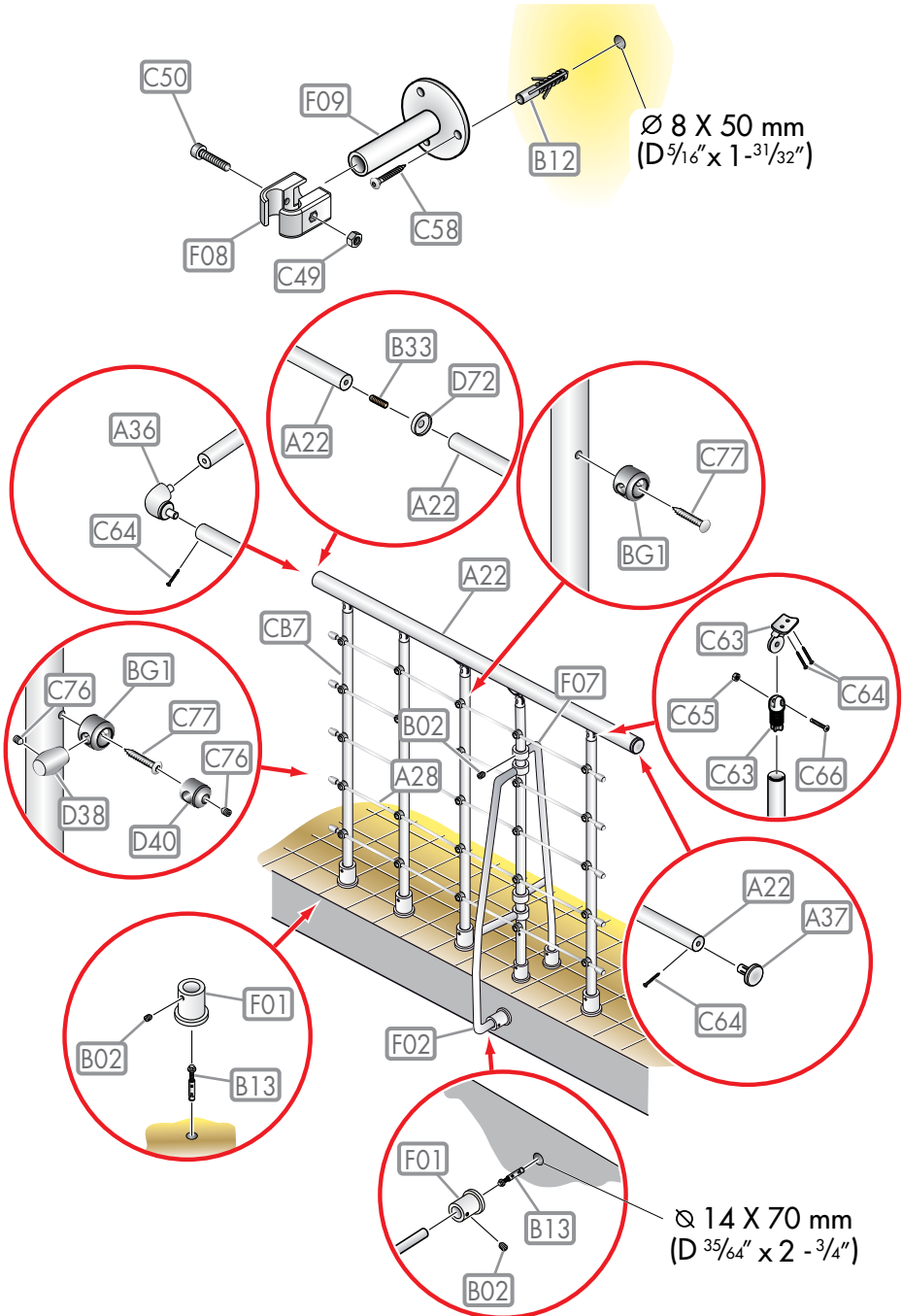
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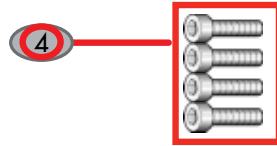


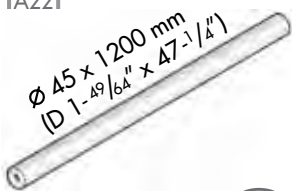




















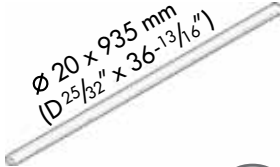








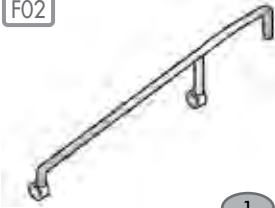




| | | |
|---|--|---|
| <p>A22</p> <p>$\varnothing 45 \times 1200$ mm (D 1-$\frac{49}{64}$" x 47-$\frac{1}{4}$")</p>  <p>1</p> | <p>A28</p>  <p>5</p> | <p>A36</p>  <p>1</p> |
| <p>A37</p>  <p>2</p> | <p>A41</p>  <p>5</p> | <p>B02</p>  <p>8</p> |
| <p>B12</p>  <p>$\varnothing 8$ mm (D $\frac{5}{16}$")</p> <p>3</p> | <p>B13</p>  <p>M8 mm (M $\frac{5}{16}$")</p> <p>6</p> | <p>B33</p>  <p>M14 x 43 mm (M $\frac{35}{64}$" x 1-$\frac{11}{16}$")</p> <p>1</p> |

| | | |
|---|--|---|
| <p>BG1</p>  <p>25</p> | <p>C49</p>  <p>1</p> | <p>C50</p>  <p>1</p> |
| <p>C58</p>  <p>3</p> | <p>C63</p>  <p>5</p> | <p>C64</p>  <p>M3,5 x 38 mm (M^{9/64}" x 1-1/2")</p> <p>14</p> |
| <p>C65</p>  <p>M4 mm (M^{5/32}")</p> <p>5</p> | <p>C66</p>  <p>5</p> | <p>C76</p>  <p>20</p> |
| <p>C77</p>  <p>25</p> | <p>CB7</p>  <p>∅ 20 x 935 mm (D^{25/32}" x 36-13/16")</p> <p>5</p> | <p>D38</p>  <p>10</p> |
| <p>D40</p>  <p>10</p> | <p>D72</p>  <p>1</p> | <p>F01</p>  <p>6</p> |

F02



1

F08



2

F09



1

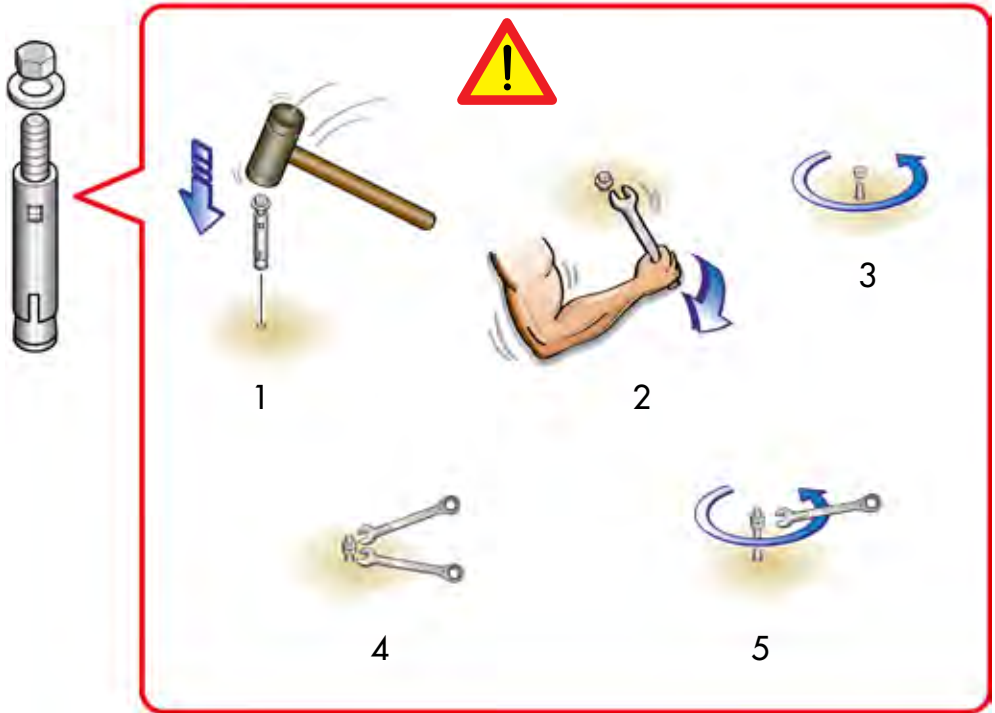
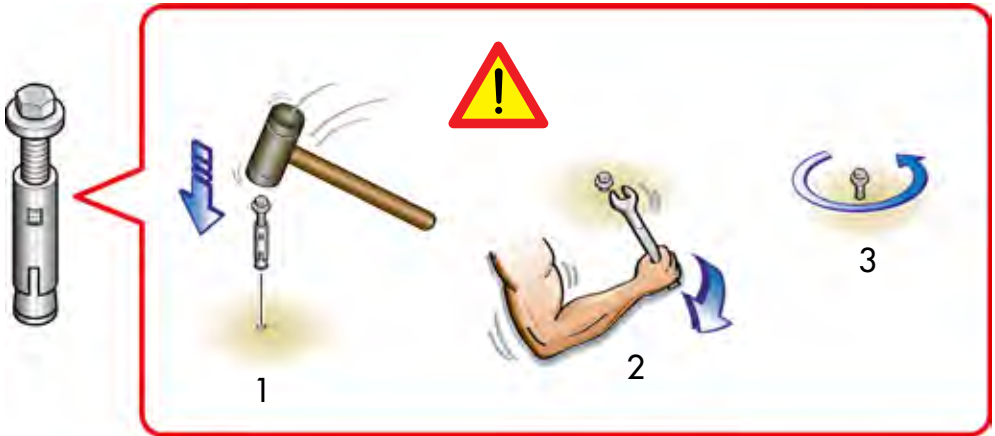
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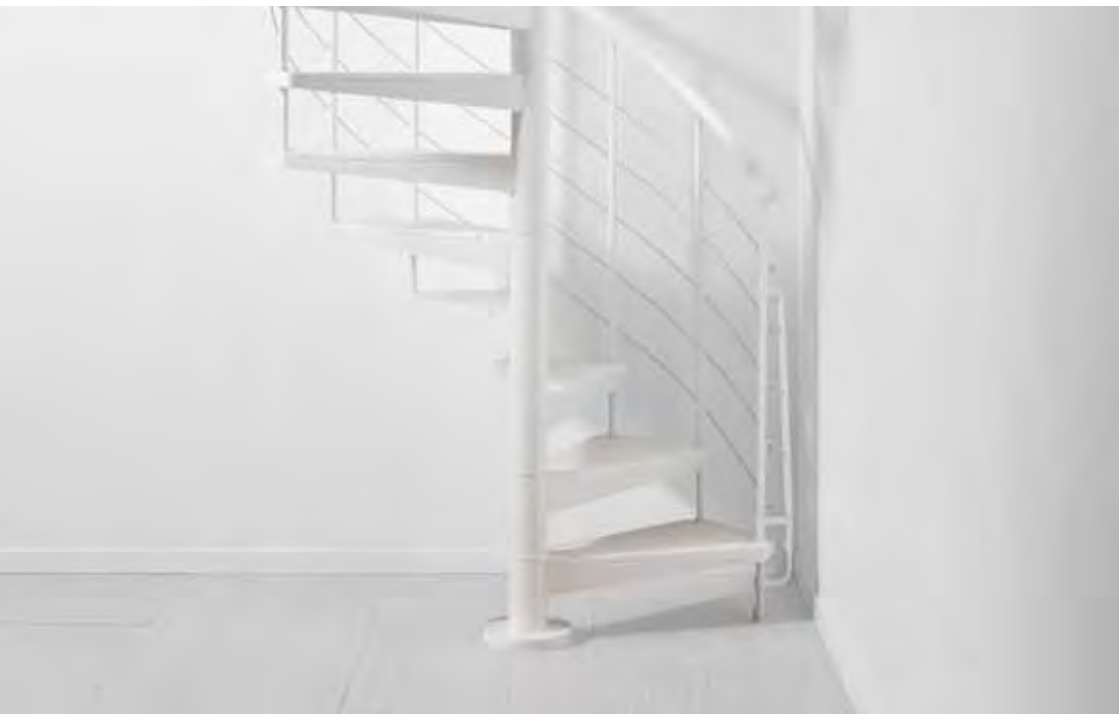
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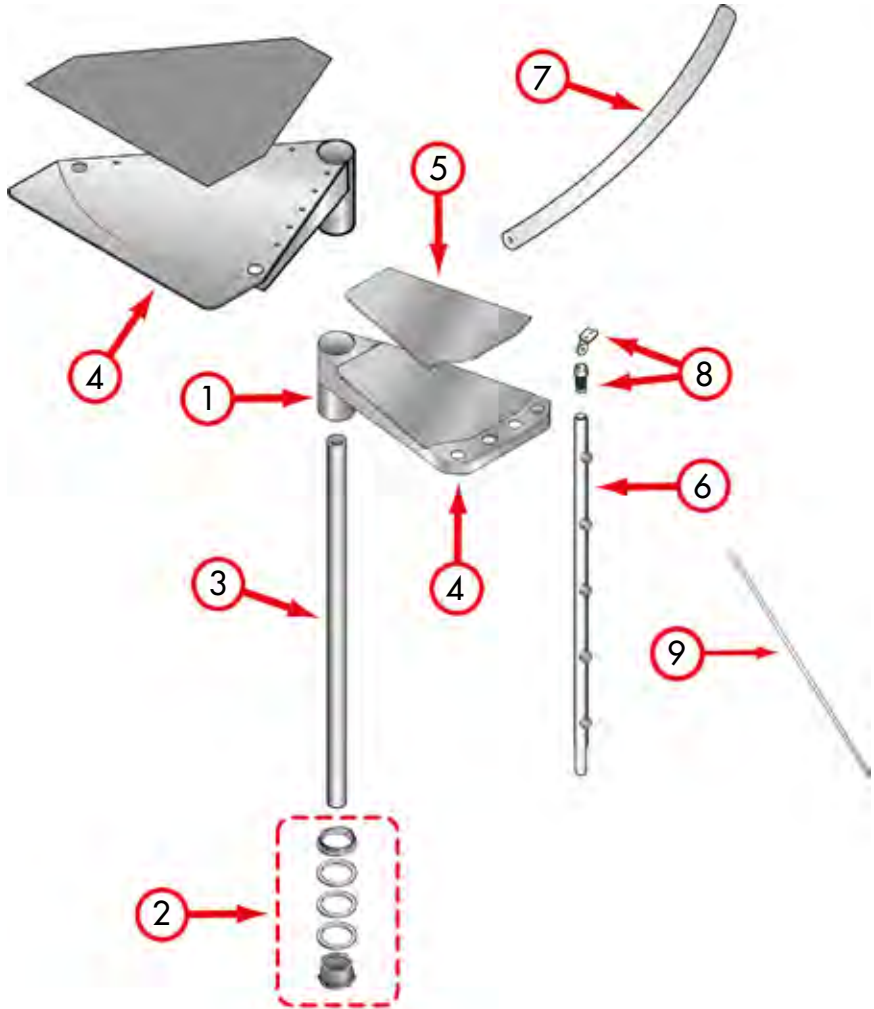




Italiano
Français
English
Español

DATI IDENTIFICATIVI DEL PRODOTTO
DONNÉES D'IDENTIFICATION DU PRODUIT
PRODUCT DETAILS
DATOS DE IDENTIFICACIÓN





(IT)

dati identificativi del prodotto

denominazione commerciale: **MASSALIA 050 INOX**

tipologia: scala a chiocciola a pianta tonda

materiali impiegati

STRUTTURA

descrizione

composta da distanziali (1) in metallo (saldati al gradino) e spessori (2) in plastica impilati e compressi sul palo (3) centrale modulare

materiali

distanziali: Fe 370

spessori: materiale plastico nylon

palo: Fe 370 zincato

finitura

distanziali: verniciatura a forno con polveri epossidiche

GRADINI

descrizione

gradini (4) in metallo circolari impilati sul palo (3) centrale corredati da un pannello (5) antiscivolo ed antiusura

materiali

gradini: lamiera Fe 370 spessore 25/10

pannello antiscivolo: polipropilene

finitura

gradini: verniciatura a forno con polveri epossidiche

RINGHIERA

descrizione

composta da colonnine (6) verticali in metallo fissate ai gradini (4), da tondini in acciaio inox (9) e da un corrimano (7) di PVC

materiali

colonnine: Fe 370

tondini: acciaio inox

corrimano: PVC con anima in alluminio

fissaggi (8): nylon

finitura

colonnine: verniciatura a forno con polveri epossidiche

PULIZIA E MANUTENZIONE OBBLIGATORIA

Eseguire la pulizia della scala alla prima comparsa di macchie di sporco e depositi di polvere e periodicamente almeno ogni 6 mesi con panno morbido inumidito in acqua e detergenti specifici non abrasivi ed aggressivi. NON usare mai pagliette abrasive o in ferro. Pulire ed asciugare accuratamente dopo il lavaggio con un panno in microfibra al fine di eliminare gli aloni del calcare presente nell'acqua. Dopo circa 12 mesi dalla data di installazione, controllare il serraggio della viteria dei vari componenti. Al verificarsi di qualsiasi minimo malfunzionamento è obbligatorio effettuare una manutenzione straordinaria, da eseguire subito e a regola d'arte.

PRECAUZIONI D'USO

Evitare usi impropri e non consoli al prodotto. Eventuali manomissioni o installazioni non rispondenti alle istruzioni del produttore possono inficiare le conformità prestabilite del prodotto.

(FR)

données d'identification du produit

denomination commerciale : **MASSALIA 050 INOX**

typologie: escalier en colimaçon à plan rond

matériaux utilisés

STRUCTURE

description

composée de entretoises (1) en métal (soudées a la marche) et cales (2) en plastique empilées et comprimées sur le pylône (3) modulaire central

matériaux

entretoises : Fe 370

cales : nylon

pylône : Fe 370 galvanisé

finition

cales : vernissage à chaud avec poudres époxy

MARCHES

description

marches (4) en métal circulaires ou en éventail empilées sur le pylône (3) central équipées d'un panneau (5) antidérapant et antiusure

matériaux

marches : tôle Fe 370, épaisseur 25/10

panneau antidérapant: polypropylène

finition

marches : vernissage à chaud avec poudres époxy

GARDE-CORPS

description

composé de colonnettes (6) verticales en metal fixées aux marches (4), de lisses en acier inox (9) et main courante en PVC (7)

matériaux

colonnettes : Fe 370

lisses : acier inox

main courante : PVC avec noyau en aluminium

fixations (8) : nylon

finition

colonnettes : vernissage à chaud avec poudres époxy

NETTOYAGE ET MAINTENANCE OBLIGATOIRE

Nettoyer les marches dès que des taches de saleté ou des dépôts de poussière apparaissent ; effectuer également un nettoyage périodique, tous les 6 mois, à l'aide d'un chiffon doux, humidifié d'eau et de détergents spécifiques que non abrasifs et non agressifs. NE JAMAIS utiliser de la paille de fer abrasive. Après lavage, nettoyer et essuyer soigneusement avec un chiffon en microfibre, afin d'éliminer les auréoles provoquées par le calcare contenu dans l'eau. Environ 12 mois après la date d'installation, contrôler le serrage des vis des différents composants. À la moindre défaillance, il est obligatoire d'effectuer immédiatement une maintenance corrective, dans les règles de l'art.

PRECAUTION D'UTILISATION

Eviter l'utilisation improprie et non conforme au produit. D'éventuelles alterations ou installations non correspondantes aux instructions du producteur peuvent invalider les conformités préétablies du produit.

EN) product details

trade name: **MASSALIA 050 INOX**
type: spiral round staircase

used materials

STRUCTURE

description

composed of metal spacers (1) (welded to the tread) and of plastic spacers (2) stacked and packed on the central modular pole (3)

materials

spacers: Fe 370
plastic spacers: nylon
pole: Fe 370 galvanized

finishing

spacers: oven varnishing with epoxy powders

TREADS

description

circular metal treads (4) stacked on the central pole (3) equipped by an antiskid and antiwear panel (5)

materials

treads: plate Fe 370 thickness 25/10
antiskid panel: polypropylene

finishing

treads: oven varnishing with epoxy powders

RAILING

description

composed of metal vertical balusters (6) fixed to treads (4), of stainless steel bars (9) and of a PVC handrail (7)

materials

balusters: Fe 370
bars: stainless steel
handrail: PVC with aluminium core
fixings (8): nylon

finishing

balusters: oven varnishing with epoxy powders

OBLIGATORY CLEANING AND MAINTENANCE

Clean the treads as soon as dirt spots and dust deposits appear and at least every 6 months using a soft cloth moistened with water and specific non-abrasive and non-aggressive detergents. NEVER use abrasive scourers. After cleaning, thoroughly dry the surfaces with a microfibre cloth to remove the haloes that form because of the limestone in the water. Approximately 12 months from the date of installation, check tightness of the screws of the various components. Should even the smallest malfunction occur, it is obligatory to immediately and professionally carry out extraordinary maintenance.

USE PRECAUTION

Avoid any improper use that is not in accordance with the product. Possible violations or installations which don't comply with the providers instructions can invalidate the agreed product conformities.

ES)

datos de identificación del producto

denominación comercial: **MASSALIA 050 INOX**
tipo: escalera de caracol de planta redonda

materiales empleados

ESTRUCTURA

descripción

compuesta por distanciadores (1) de metal (soldados al escalón) y espaciadores (2) de plástico enfilados y comprimidos en la columna (3) central modular.

materiales

distanciadores: Fe 370
espaciadores: nylon
columna central: Fe 370 galvanizado

acabado

distanciadores: barnizado en horno con polvos epoxídicos

PELDAÑOS

descripción

peldaños (4) de metal circulares enfilados en la columna (3) central y dotados de un panel (5) antideslizante y antidesgaste

materiales

peldaños: chapa Fe 370, grosor 25/10
panel antideslizante: polipropileno

acabado

peldaños: barnizado en horno con polvos epoxídicos

BARANDILLA

descripción

compuesta por barrotes (6) verticales de metal fijados a los peldaños (4), por barras de acero inoxidable (9) y por un pasamanos (7) de PVC

materiales

barrotes: Fe 370
barras: acero inoxidable
pasamanos: PVC con alma de aluminio
fijaciones (8): nylon

acabado

barrotes: barnizado en horno con polvos epoxídicos

LIMPIEZA Y MANTENIMIENTO OBLIGATORIO

Realizar la limpieza de la escalera en cuanto aparezcan manchas de suciedad y depósitos de polvo, y periódicamente al menos cada 6 meses, con un paño suave humedecido en agua y detergentes específicos no abrasivos ni agresivos. NO utilizar nunca lanas abrasivas o de hierro. Limpiar y secar bien después del lavado utilizando un paño de microfibra para eliminar las aureolas de cal dejadas por el agua. Transcurridos unos 12 meses desde la fecha de instalación, comprobar que los tornillos que fijan las distintas partes sigan bien apretados. Ante el menor defecto de funcionamiento, es obligatorio realizar un mantenimiento extraordinario según las reglas del arte.

PRECAUCIONES DE USO

Evitar usos impropios y no conformes con el producto. Eventuales manipulaciones o instalaciones que no cumplan con las instrucciones del fabricante pueden menoscabar las cualidades certificadas en las pruebas de conformidad a las que previamente fue sometido el producto.



MAS
050-INOX
D.U.M.
11/2017



447 rue Henri Farman , Parc Marcel Dassault
34430 ST JEAN DE VEDAS - FRANCE

Tél : 0033 (0)4 67 27 36 55
Fax : 0033 (0)4 67 07 50 05

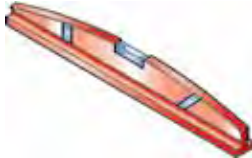
email : info@echelle-europeenne.com
www.echelle-europeenne.com
www.escaliers-echelle-europeenne.com



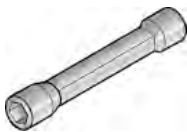
L'ECHELLE
EUROPEENNE



MASSALIA 050 PVC



PH 2



12 mm ($15/32''$)
13 mm ($33/64''$)



2,5 mm ($3/32''$)
3 mm ($1/8''$)
5 mm ($13/64''$)
6 mm ($15/64''$)
12 mm ($15/32''$)



Ø 8 x 120 mm
(D $5/16''$ x 4- $23/32''$)
Ø 12 x 120 mm
(D $15/32''$ x 4- $23/32''$)
Ø 14 x 150 mm
(D $35/64''$ x 5- $29/32''$)

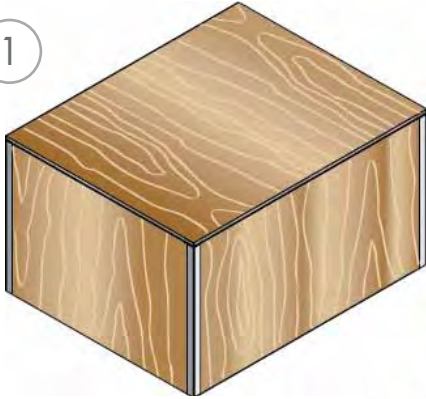


13 mm ($33/64''$)
17 mm ($43/64''$)
19 mm ($3/4''$)
30 mm ($1-3/16''$)

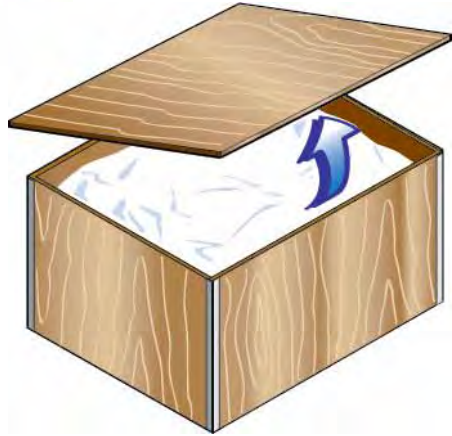


Ø 2,5 mm (D $3/32''$)
Ø 3,5 mm (D $9/64''$)
Ø 4,5 mm (D $11/64''$)
Ø 9 mm (D $23/64''$)
Ø 12 mm (D $15/32''$)

1



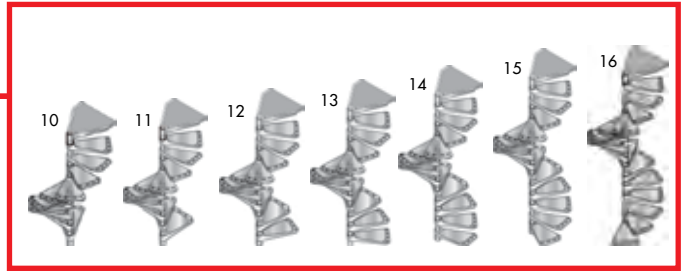
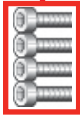
2



3



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 2 | 2 | 4 | 5 | 6 | |



Ø 120 cm
(D 47-¹/₄")



"A"

Ø 140 cm
(D 55-¹/₈")



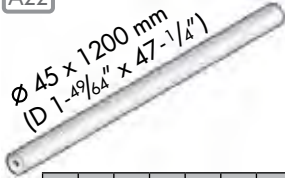
"B"

Ø 160 cm
(D 63")



"C"

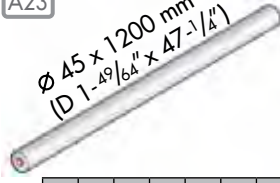
A22



Ø 45 x 1200 mm
(D 1-⁴⁹/₆₄" x 47-¹/₄")

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 5 | 5 | 6 | 6 | 6 |

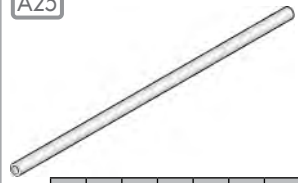
A23



Ø 45 x 1200 mm
(D 1-⁴⁹/₆₄" x 47-¹/₄")

| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

A25



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

A26



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

A36



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

A37



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 |

B02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 31 | 33 | 35 | 37 | 39 | 41 | 43 |
| B | 30 | 32 | 34 | 36 | 38 | 40 | 42 |
| C | 31 | 33 | 35 | 37 | 39 | 41 | 43 |

B03



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B04



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B05



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B12



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

B13



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

B17



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B23



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

B27



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

B33



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 3 | 3 | 4 | 4 | 5 | 5 | 5 |

B46



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B47



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 |

B74



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B76



| | | | | | | | |
|--|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B82



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| B | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

B89



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

BA2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BA6



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

BA9



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

BB1



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

BB2



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |

BB4



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 18 | 20 | 22 | 24 | 26 | 28 | 30 |

BB7



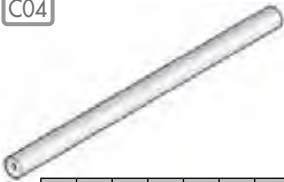
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 64 | 68 | 72 | 76 | 80 | 84 | 88 |

BT9



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 64 | 68 | 72 | 76 | 80 | 84 | 88 |

C04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

C13



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

C49



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

C50



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

C58



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| C | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

C63



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C64



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 38 | 40 | 42 | 44 | 46 | 48 | 50 |

C65



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C66



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

C77



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 64 | 68 | 72 | 76 | 80 | 84 | 88 |

C84



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

C85



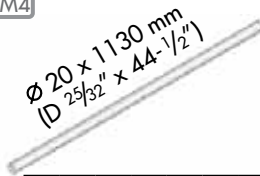
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

CA3



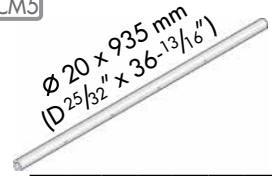
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 24 | 24 | 24 | 24 | 24 | 24 | 24 |

CM4



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

CM5



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |

D01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 4 | 3 | 3 | 3 | 3 |

D02



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

D03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 50 | 55 | 60 | 65 | 70 | 75 | 80 |

D04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

D05



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 1 | 1 | 1 | 1 | 1 | 1 |
| B | 1 | 1 | 1 | 1 | 1 | 1 |
| C | 0 | 0 | 0 | 0 | 0 | 0 |

D12



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 1 | 1 | 1 | 1 | 1 | 1 |

D14



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

D32



| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

D33



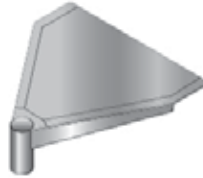
| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| B | 19 | 21 | 23 | 25 | 27 | 29 | 31 |
| C | 20 | 22 | 24 | 26 | 28 | 30 | 32 |

D72



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3 | 3 | 4 | 4 | 5 | 5 | 5 |

E03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 |

F07



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F08



| | | | | | | | |
|----|----|----|----|----|----|----|---|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| B | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| C | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

F09



| | | | | | | | |
|----|----|----|----|----|----|----|---|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| A | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| C | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

G01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

G02



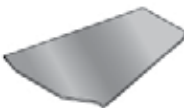
| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 |

G03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H01



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

H03



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

H04



| | | | | | | |
|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |

L02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

L02



| | | | | | | | |
|---|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| C | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

B96



C36



X01



IT) ATTENZIONE!

Leggere e seguire scrupolosamente queste istruzioni e tenere per future consultazioni.

Eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR) ATTENTION !

Lire et respecter scrupuleusement les présentes instructions ; les conserver pour toute autre consultation.

Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

EN) WARNING!

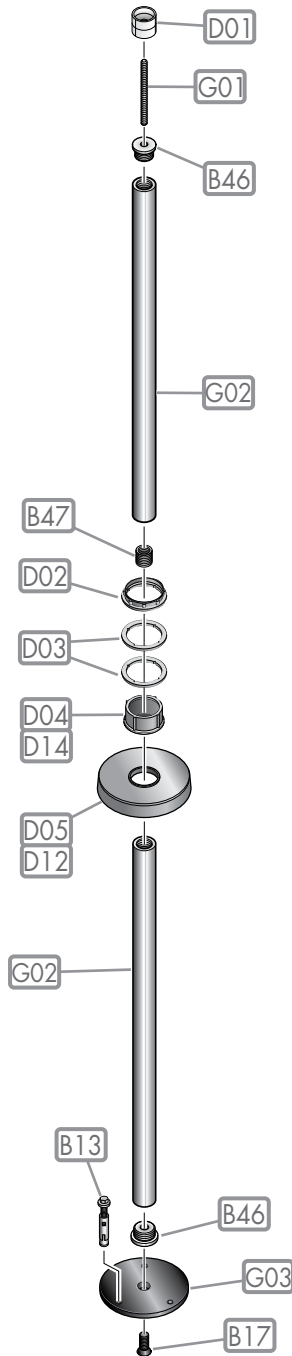
Carefully read and strictly follow these instruction and keep them for future consultation.

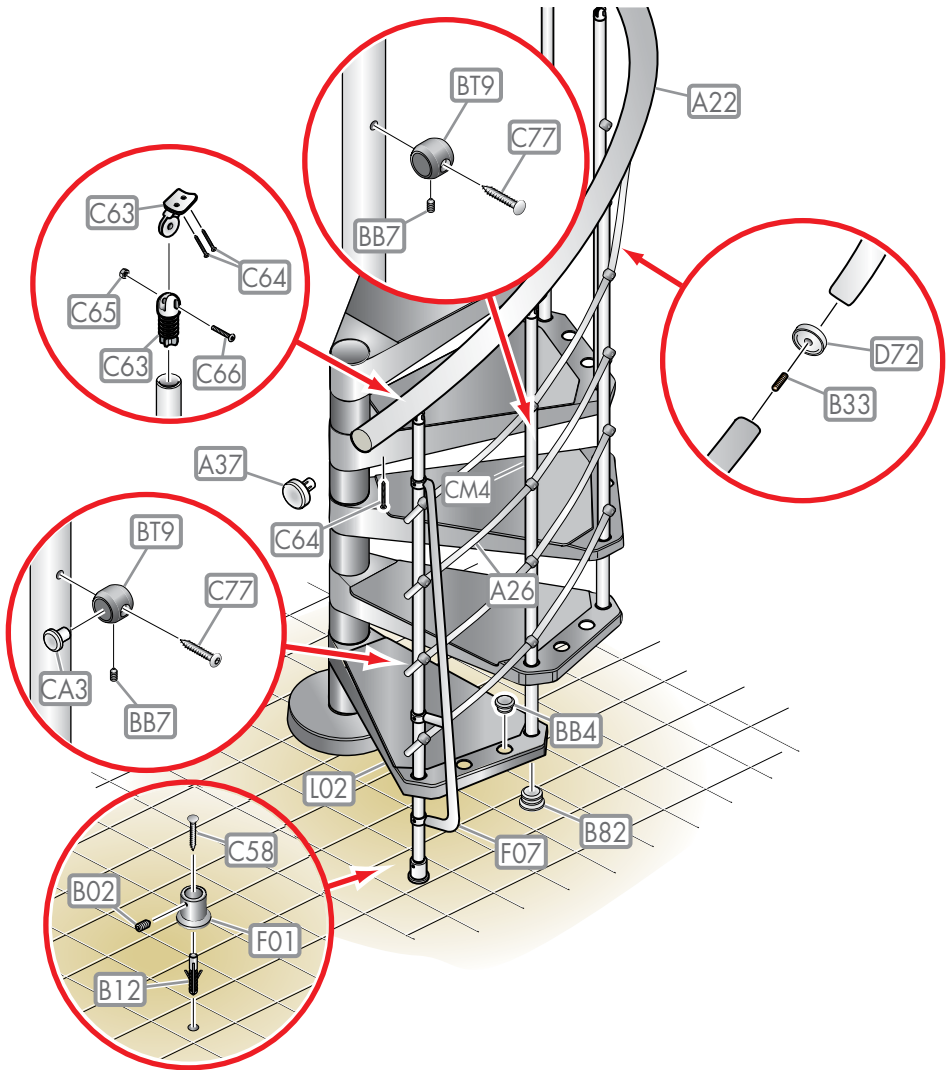
Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public...).

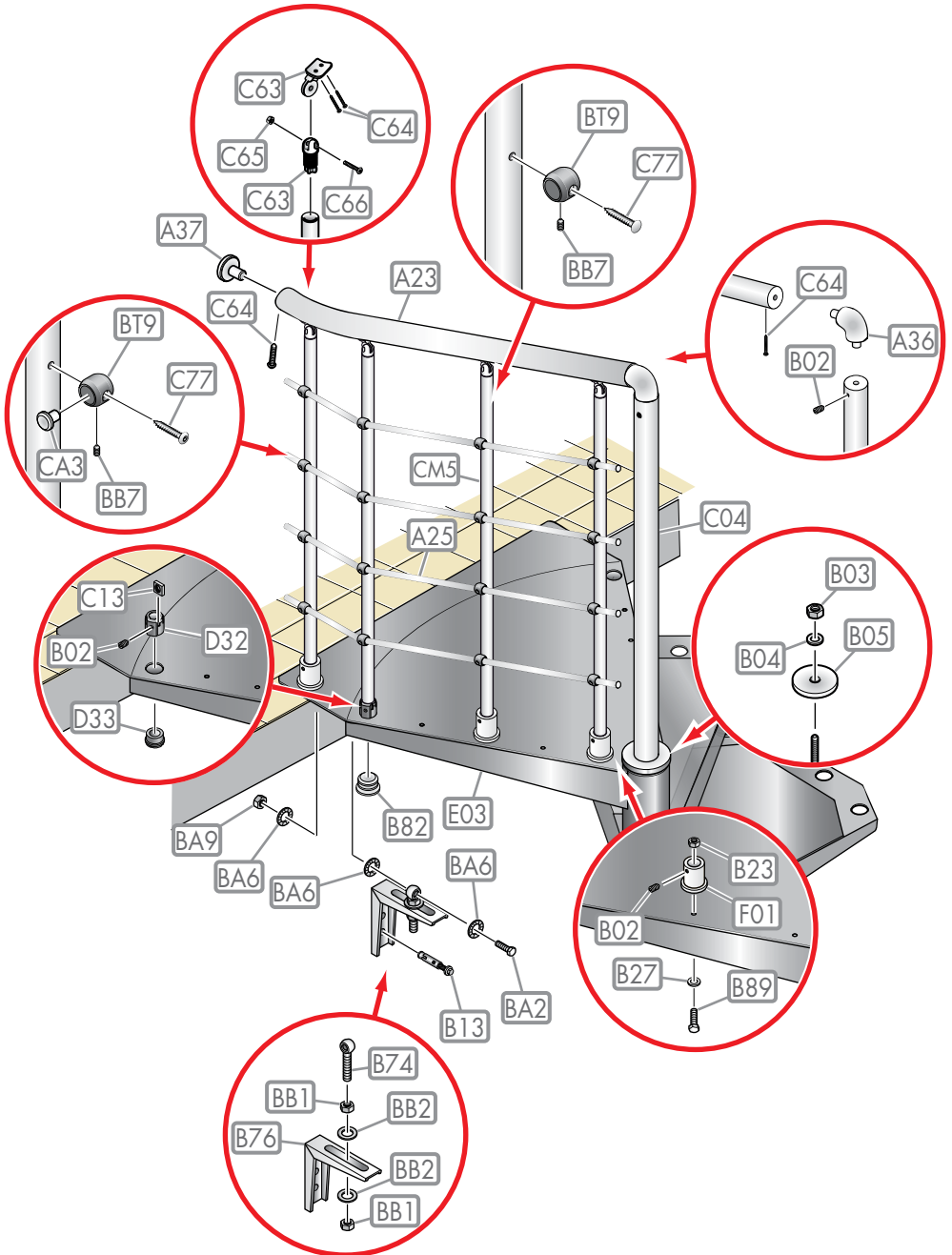
ES) ¡ATENCIÓN!

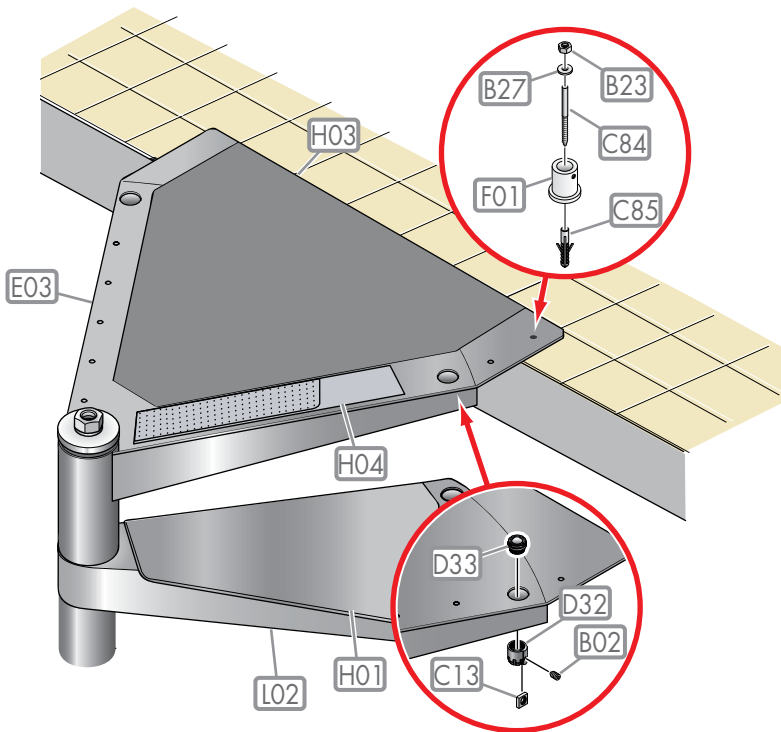
Leer y seguir estrictamente estas instrucciones y conservarlas para consultas futuras.

Realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).









IT)



**IMPORTANTE!
LEGGERE E SEGUIRE SCRUPolosAMENTE QUESTE ISTRUZIONI
E TENERE PER FUTURE CONSULTAZIONI**

ATTENZIONE: eseguire l'installazione "a regola d'arte", utilizzando attrezzi idonei; seguire scrupolosamente le istruzioni di montaggio. Informarsi prima dell'installazione, sui regolamenti locali e nazionali da rispettare, in funzione della destinazione d'uso (privato principale, secondario, uffici, negozi,...).

FR)



**IMPORTANT !
LIRE ET RESPECTER SCRUPULEUSEMENT LES PRÉSENTES
INSTRUCTIONS ; LES CONSERVER POUR TOUTE AUTRE
CONSULTATION**

ATTENTION : Effectuer l'installation dans les règles de l'art en utilisant des outils appropriés ; suivre scrupuleusement les instructions de montage. Pour réaliser un montage conforme aux normes en vigueur, il faut s'informer avant l'installation quant aux réglementations locales et nationales à respecter, en fonction du domaine d'utilisation (résidence privée principale, secondaire, bureaux, magasins,...).

EN)



**IMPORTANT!
CAREFULLY READ AND STRICTLY FOLLOW THESE INSTRUCTIONS
AND KEEP THEM FOR FUTURE CONSULTATION**

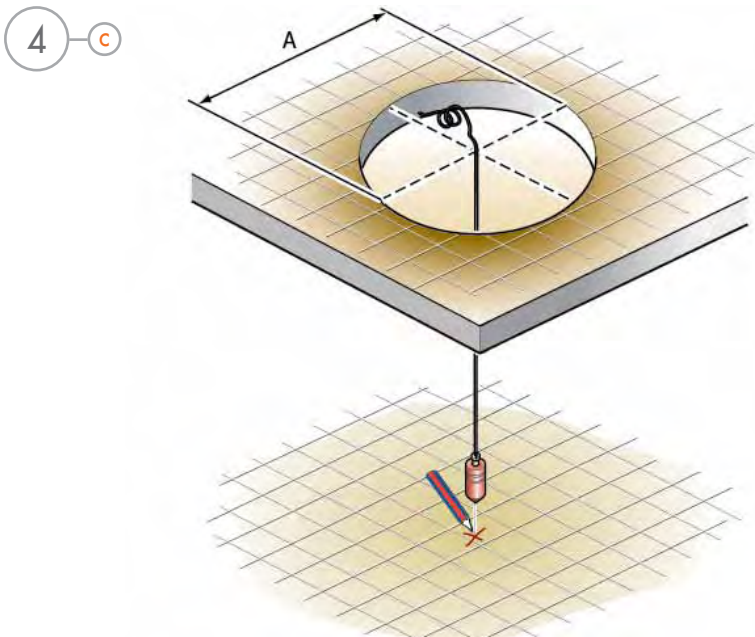
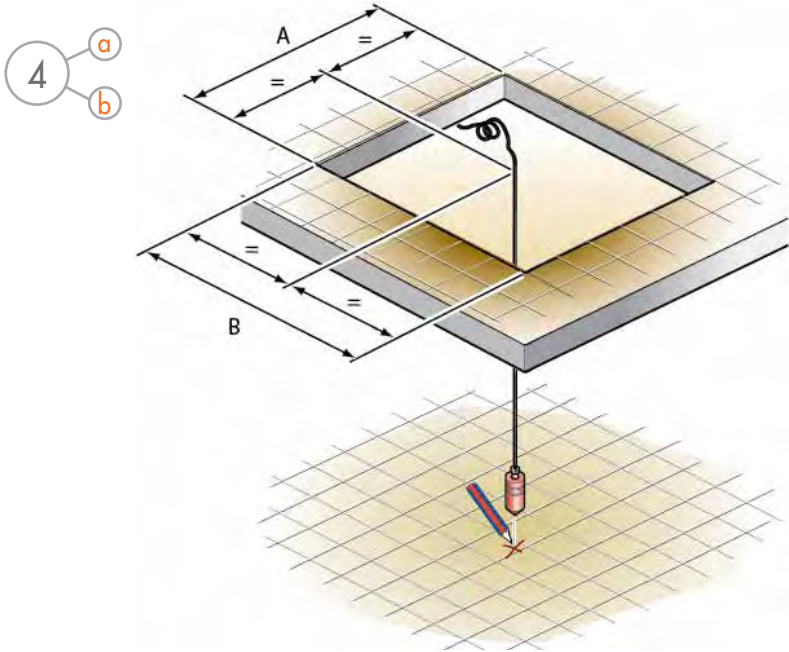
WARNING: Carry out the installation in a "workmanlike" manner, strictly following the installation instructions and using suitable tools. Always consult your local building department for code requirements that must be respected depending on its destination of use (private, secondary, public,...)

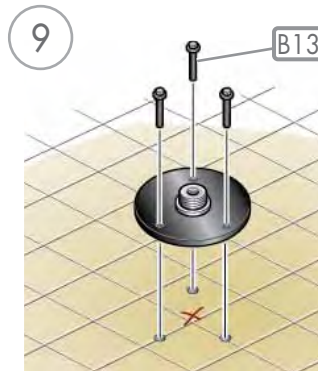
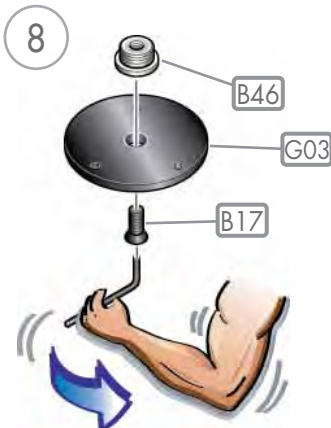
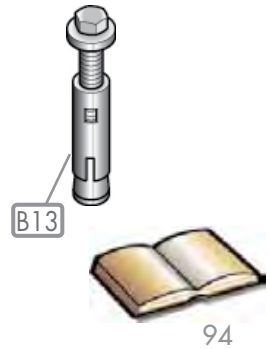
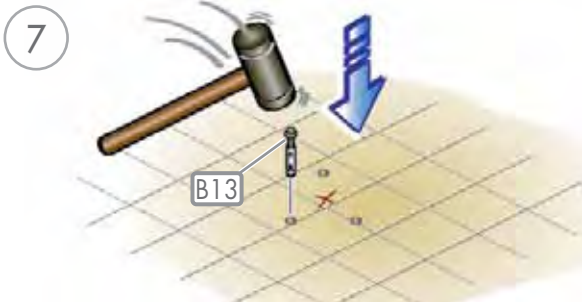
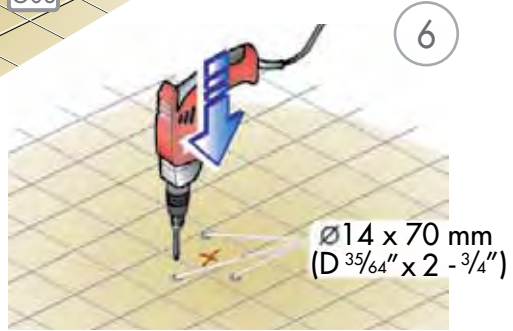
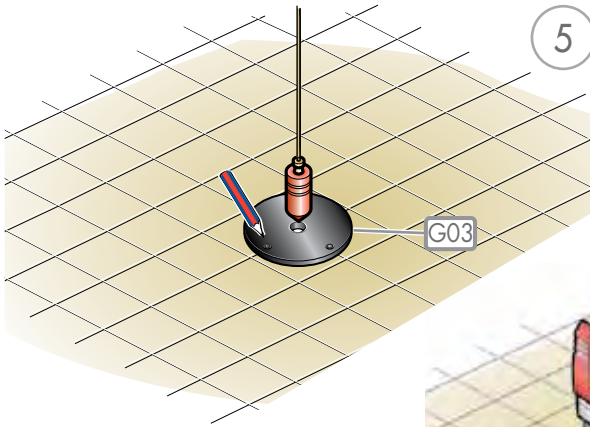
ES)



**¡IMPORTANTE!
LEER Y SEGUIR EstrictAMENTE ESTAS INSTRUCCIONES Y
CONSERVARLAS PARA CONSULTAS FUTURAS**

ATENCIÓN: realizar la instalación "según las reglas del arte", utilizando herramientas adecuadas; seguir estrictamente las instrucciones de montaje. Informarse antes de la instalación sobre los reglamentos locales y nacionales a respetar, en función del destino de uso (privado principal, secundario, oficinas, tiendas,...).

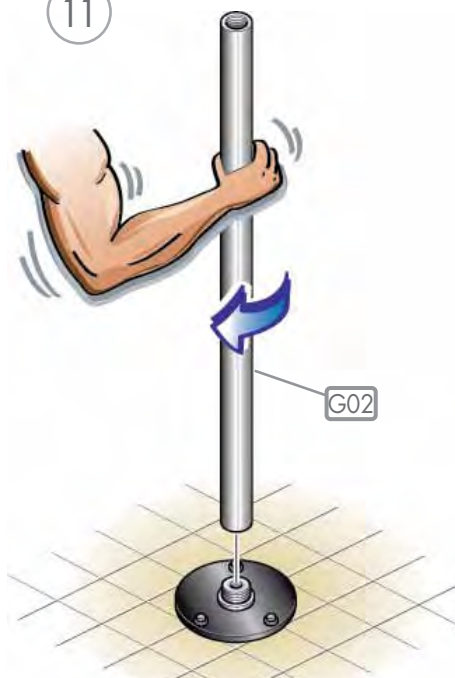




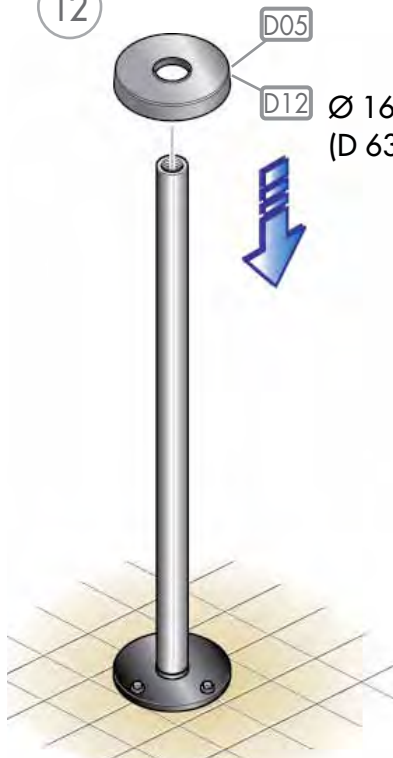
10



11



12



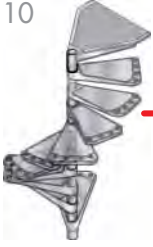
Ø 120 cm
(D 47- 1/4")
Ø 140 cm
(D 55- 1/8")

D05

D12

Ø 160 cm
(D 63")

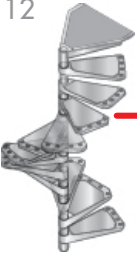
10



11



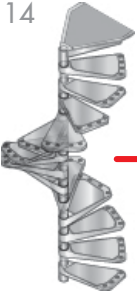
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13



14

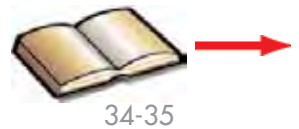
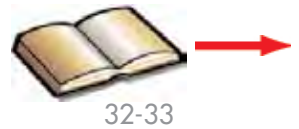
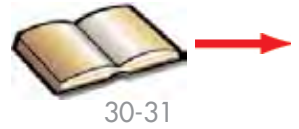
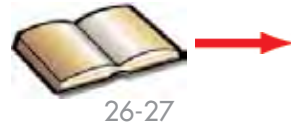
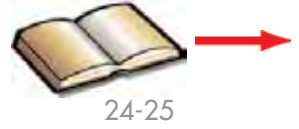
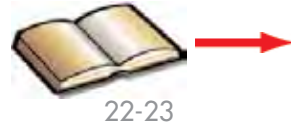


15

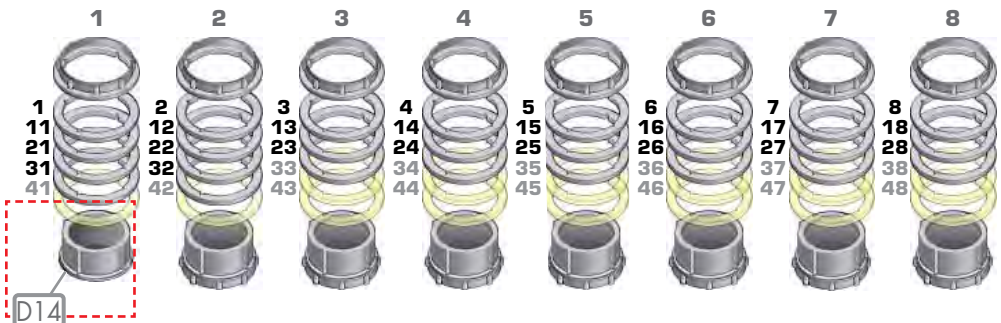
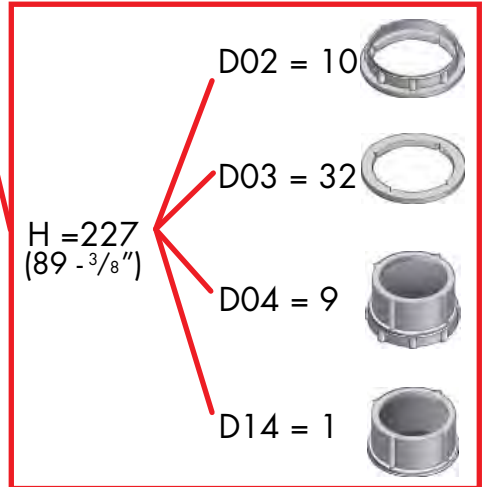
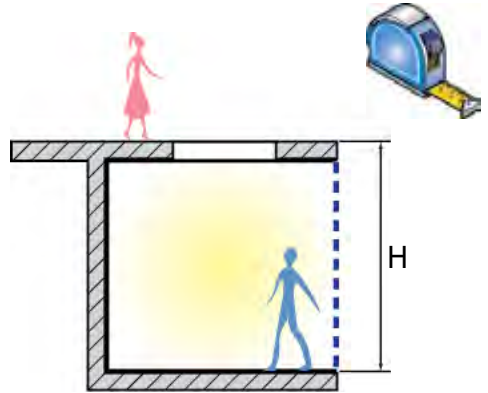


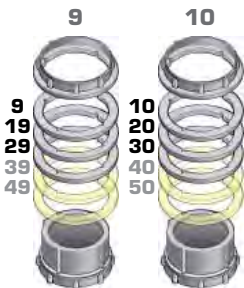
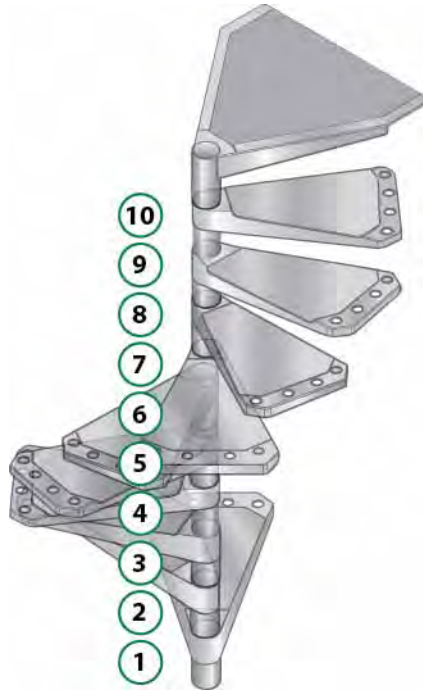
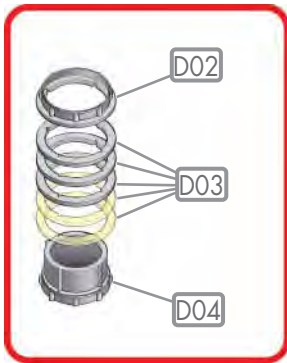
16



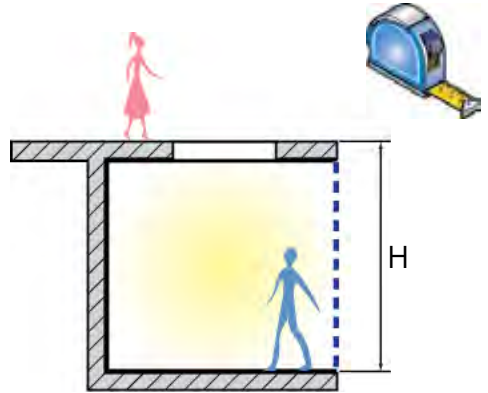






| H cm | H inch | D02 | D03 | D04 | D14 |
|------|-----------|-----|-----|-----|-----|
| 211 | 83 1/16" | 10 | 0 | 9 | 1 |
| 212 | 83 7/16" | 10 | 2 | 9 | 1 |
| 213 | 83 7/8" | 10 | 4 | 9 | 1 |
| 214 | 84 1/4" | 10 | 6 | 9 | 1 |
| 215 | 84 5/8" | 10 | 8 | 9 | 1 |
| 216 | 85 1/16" | 10 | 10 | 9 | 1 |
| 217 | 85 7/16" | 10 | 12 | 9 | 1 |
| 218 | 85 13/16" | 10 | 14 | 9 | 1 |
| 219 | 86 1/4" | 10 | 16 | 9 | 1 |
| 220 | 86 5/8" | 10 | 18 | 9 | 1 |
| 221 | 87" | 10 | 20 | 9 | 1 |
| 222 | 87 3/8" | 10 | 22 | 9 | 1 |
| 223 | 87 13/16" | 10 | 24 | 9 | 1 |
| 224 | 88 3/16" | 10 | 26 | 9 | 1 |
| 225 | 88 9/16" | 10 | 28 | 9 | 1 |
| 226 | 89" | 10 | 30 | 9 | 1 |
| 227 | 89 3/8" | 10 | 32 | 9 | 1 |
| 228 | 89 3/4" | 10 | 34 | 9 | 1 |
| 229 | 90 3/16" | 10 | 36 | 9 | 1 |
| 230 | 90 9/16" | 10 | 38 | 9 | 1 |
| 231 | 90 15/16" | 10 | 40 | 9 | 1 |
| 232 | 91 5/16" | 10 | 42 | 9 | 1 |
| 233 | 91 3/4" | 10 | 44 | 9 | 1 |
| 234 | 92 1/8" | 10 | 46 | 9 | 1 |
| 235 | 92 1/2" | 10 | 48 | 9 | 1 |
| 236 | 92 15/16" | 10 | 50 | 9 | 1 |



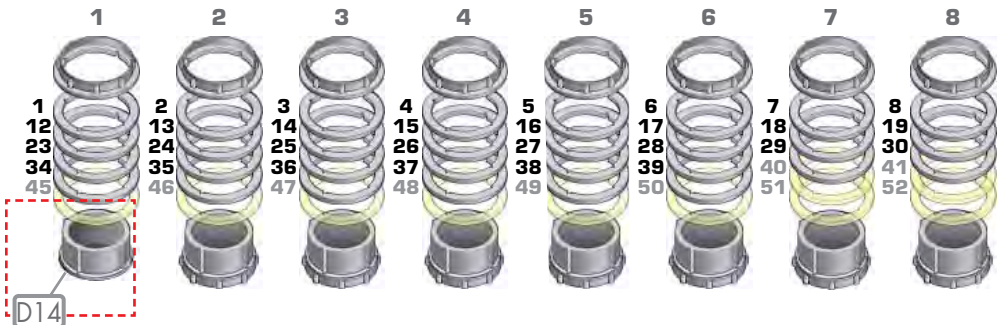


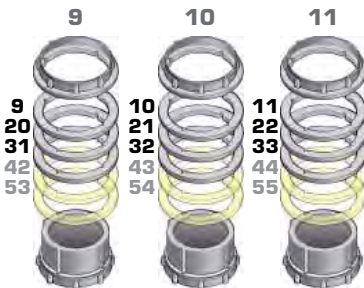
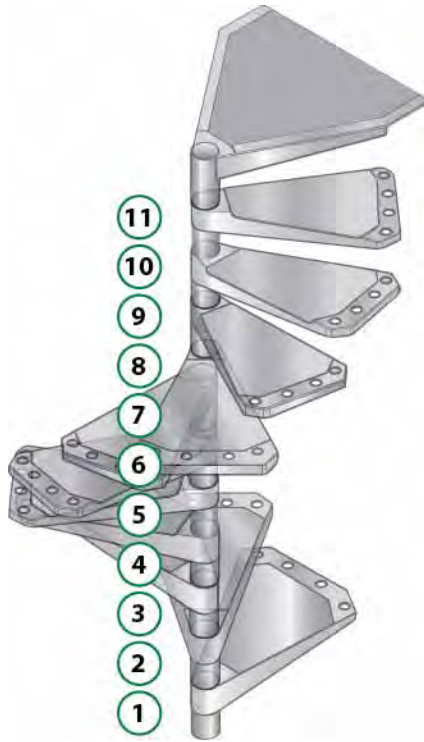
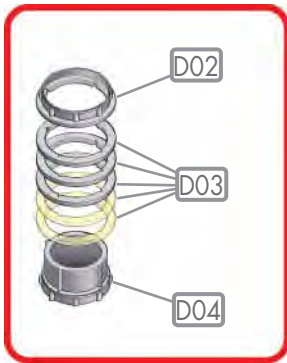
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 232 | 91 5/16" | 11 | 1 | 10 | 1 |
| 233 | 91 3/4" | 11 | 3 | 10 | 1 |
| 234 | 92 1/8" | 11 | 5 | 10 | 1 |
| 235 | 92 1/2" | 11 | 7 | 10 | 1 |
| 236 | 92 15/16" | 11 | 9 | 10 | 1 |
| 237 | 93 5/16" | 11 | 11 | 10 | 1 |
| 238 | 93 11/16" | 11 | 13 | 10 | 1 |
| 239 | 94 1/8" | 11 | 15 | 10 | 1 |
| 240 | 94 1/2" | 11 | 17 | 10 | 1 |
| 241 | 94 7/8" | 11 | 19 | 10 | 1 |
| 242 | 95 1/4" | 11 | 21 | 10 | 1 |
| 243 | 95 11/16" | 11 | 23 | 10 | 1 |
| 244 | 96 1/16" | 11 | 25 | 10 | 1 |
| 245 | 96 7/16" | 11 | 27 | 10 | 1 |
| 246 | 96 7/8" | 11 | 29 | 10 | 1 |
| 247 | 97 1/4" | 11 | 31 | 10 | 1 |
| 248 | 97 5/8" | 11 | 33 | 10 | 1 |
| 249 | 98 1/16" | 11 | 35 | 10 | 1 |
| 250 | 98 7/16" | 11 | 37 | 10 | 1 |
| 251 | 98 13/16" | 11 | 39 | 10 | 1 |
| 252 | 99 3/16" | 11 | 41 | 10 | 1 |
| 253 | 99 5/8" | 11 | 43 | 10 | 1 |
| 254 | 100" | 11 | 45 | 10 | 1 |
| 255 | 100 3/8" | 11 | 47 | 10 | 1 |
| 256 | 100 13/16" | 11 | 49 | 10 | 1 |
| 257 | 101 3/16" | 11 | 51 | 10 | 1 |
| 258 | 101 9/16" | 11 | 53 | 10 | 1 |
| 259 | 101 15/16" | 11 | 55 | 10 | 1 |



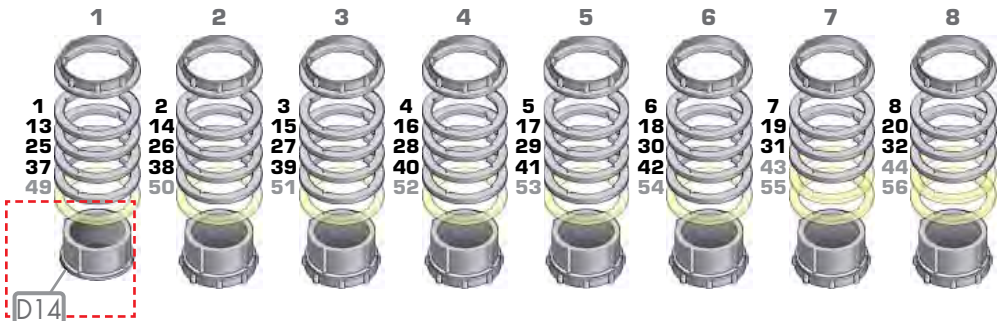
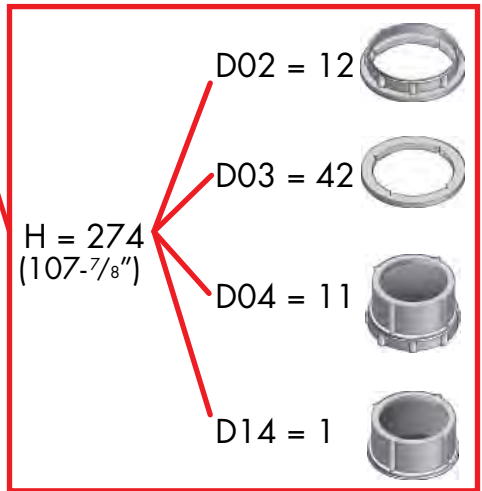
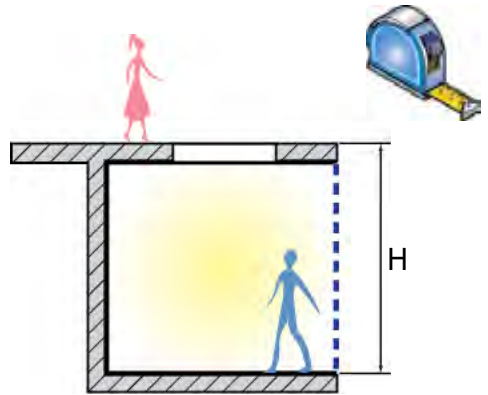
D02 = 11 
D03 = 39 
D04 = 10 
D14 = 1 

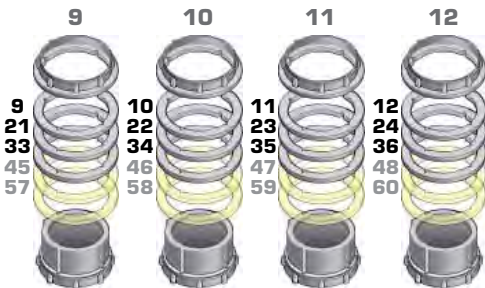
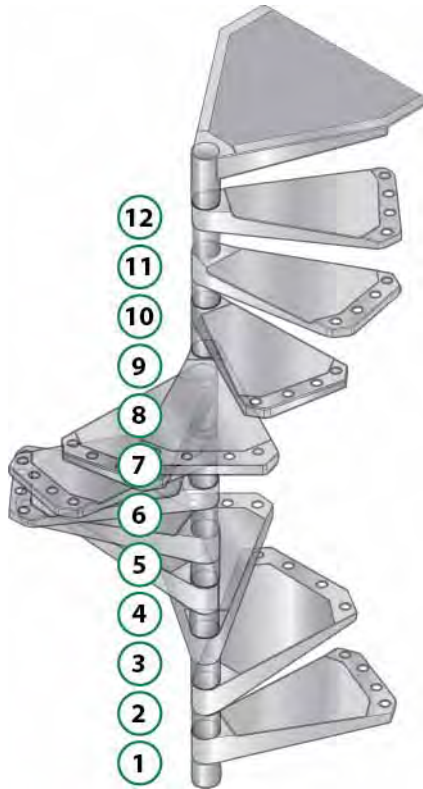
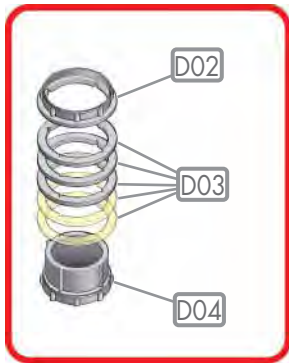
H = 251
(98 -13/16")



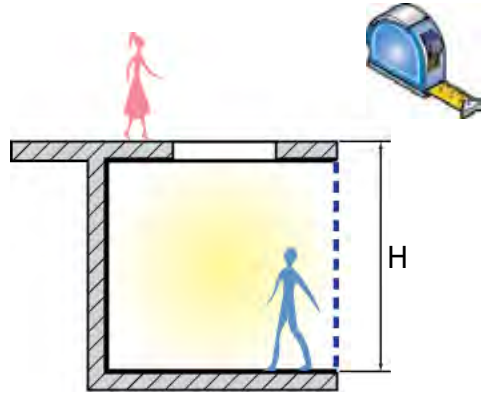


| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 253 | 99 5/8" | 12 | 0 | 11 | 1 |
| 254 | 100" | 12 | 2 | 11 | 1 |
| 255 | 100 3/8" | 12 | 4 | 11 | 1 |
| 256 | 100 13/16" | 12 | 6 | 11 | 1 |
| 257 | 101 3/16" | 12 | 8 | 11 | 1 |
| 258 | 101 9/16" | 12 | 10 | 11 | 1 |
| 259 | 101 15/16" | 12 | 12 | 11 | 1 |
| 260 | 102 3/8" | 12 | 14 | 11 | 1 |
| 261 | 102 3/4" | 12 | 16 | 11 | 1 |
| 262 | 103 1/8" | 12 | 18 | 11 | 1 |
| 263 | 103 9/16" | 12 | 20 | 11 | 1 |
| 264 | 103 15/16" | 12 | 22 | 11 | 1 |
| 265 | 104 5/16" | 12 | 24 | 11 | 1 |
| 266 | 104 3/4" | 12 | 26 | 11 | 1 |
| 267 | 105 1/8" | 12 | 28 | 11 | 1 |
| 268 | 105 1/2" | 12 | 30 | 11 | 1 |
| 269 | 105 7/8" | 12 | 32 | 11 | 1 |
| 270 | 106 5/16" | 12 | 34 | 11 | 1 |
| 271 | 106 11/16" | 12 | 36 | 11 | 1 |
| 272 | 107 1/16" | 12 | 38 | 11 | 1 |
| 273 | 107 1/2" | 12 | 40 | 11 | 1 |
| 274 | 107 7/8" | 12 | 42 | 11 | 1 |
| 275 | 108 1/4" | 12 | 44 | 11 | 1 |
| 276 | 108 11/16" | 12 | 46 | 11 | 1 |
| 277 | 109 1/16" | 12 | 48 | 11 | 1 |
| 278 | 109 7/16" | 12 | 50 | 11 | 1 |
| 279 | 109 13/16" | 12 | 52 | 11 | 1 |
| 280 | 110 1/4" | 12 | 54 | 11 | 1 |
| 281 | 110 5/8" | 12 | 56 | 11 | 1 |
| 282 | 111" | 12 | 58 | 11 | 1 |
| 283 | 111 7/16" | 12 | 60 | 11 | 1 |







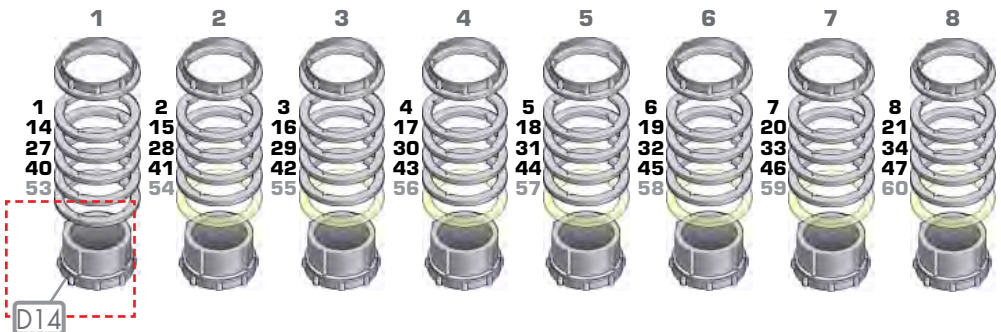


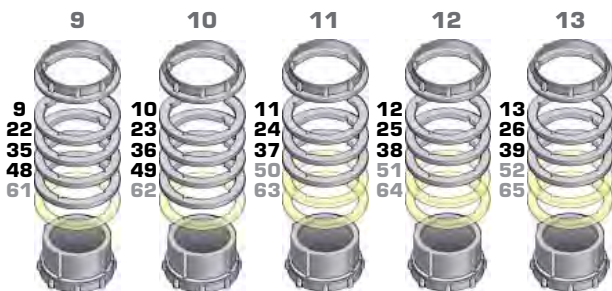
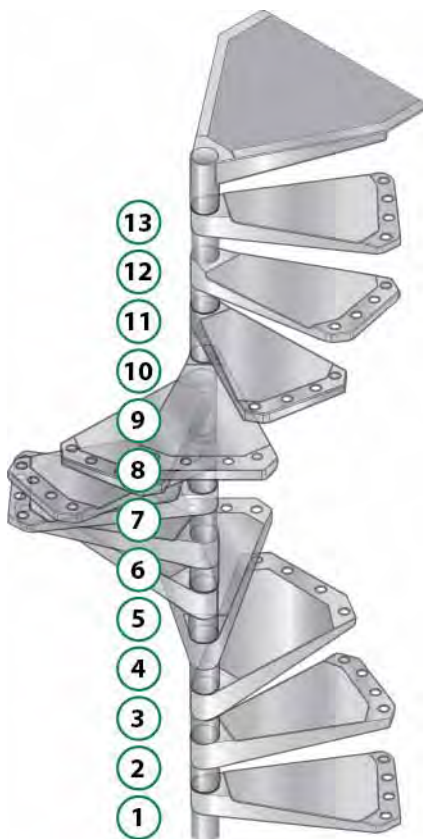
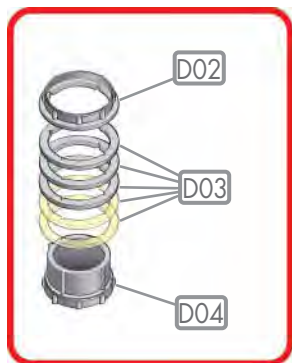
| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 274 | 107 7/8" | 13 | 1 | 12 | 1 |
| 275 | 108 1/4" | 13 | 3 | 12 | 1 |
| 276 | 108 11/16" | 13 | 5 | 12 | 1 |
| 277 | 109 1/16" | 13 | 7 | 12 | 1 |
| 278 | 109 7/16" | 13 | 9 | 12 | 1 |
| 279 | 109 13/16" | 13 | 11 | 12 | 1 |
| 280 | 110 1/4" | 13 | 13 | 12 | 1 |
| 281 | 110 5/8" | 13 | 15 | 12 | 1 |
| 282 | 111" | 13 | 17 | 12 | 1 |
| 283 | 111 7/16" | 13 | 19 | 12 | 1 |
| 284 | 111 13/16" | 13 | 21 | 12 | 1 |
| 285 | 112 3/16" | 13 | 23 | 12 | 1 |
| 286 | 112 5/8" | 13 | 25 | 12 | 1 |
| 287 | 113" | 13 | 27 | 12 | 1 |
| 288 | 113 3/8" | 13 | 29 | 12 | 1 |
| 289 | 113 3/4" | 13 | 31 | 12 | 1 |
| 290 | 114 3/16" | 13 | 33 | 12 | 1 |
| 291 | 114 6/16" | 13 | 35 | 12 | 1 |
| 292 | 114 15/16" | 13 | 37 | 12 | 1 |
| 293 | 115 3/8" | 13 | 39 | 12 | 1 |
| 294 | 115 3/4" | 13 | 41 | 12 | 1 |
| 295 | 116 1/8" | 13 | 43 | 12 | 1 |
| 296 | 116 9/16" | 13 | 45 | 12 | 1 |
| 297 | 116 15/16" | 13 | 47 | 12 | 1 |
| 298 | 117 5/16" | 13 | 49 | 12 | 1 |
| 299 | 117 11/16" | 13 | 51 | 12 | 1 |
| 300 | 118 1/8" | 13 | 53 | 12 | 1 |
| 301 | 118 1/2" | 13 | 55 | 12 | 1 |
| 302 | 118 7/8" | 13 | 57 | 12 | 1 |
| 303 | 119 5/16" | 13 | 59 | 12 | 1 |
| 304 | 119 11/16" | 13 | 61 | 12 | 1 |
| 305 | 120 1/16" | 13 | 63 | 12 | 1 |
| 306 | 120 1/2" | 13 | 65 | 12 | 1 |



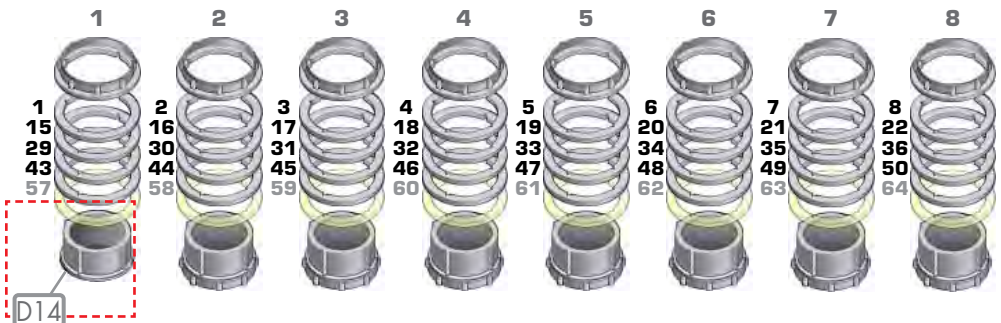
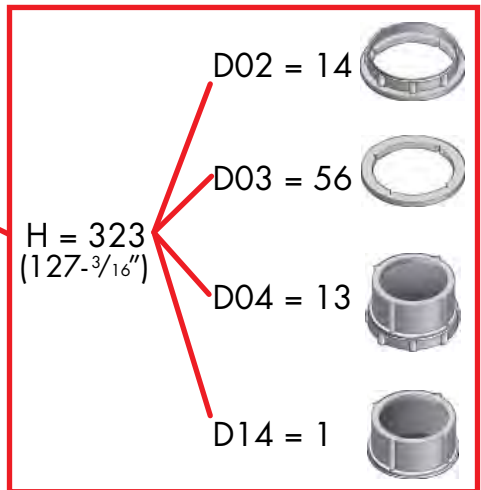
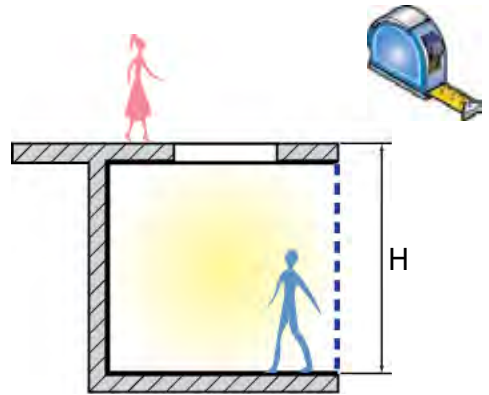
H = 298
(117-5/16")

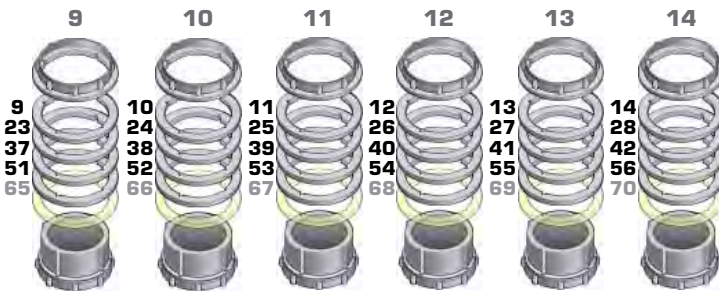
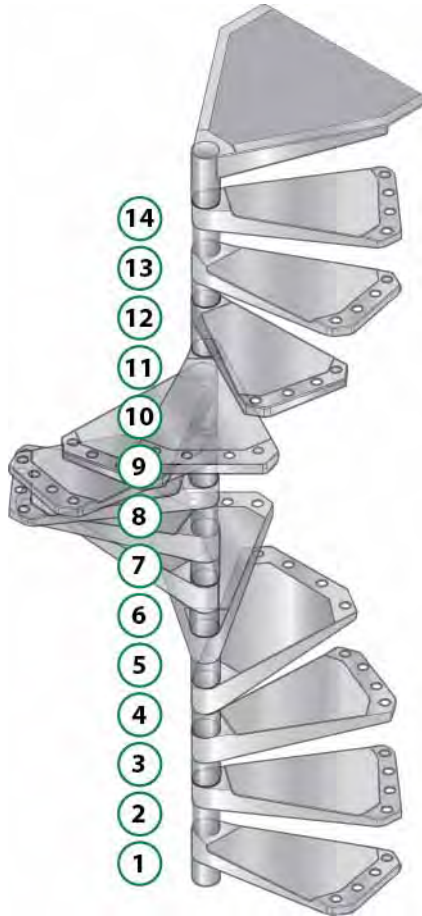
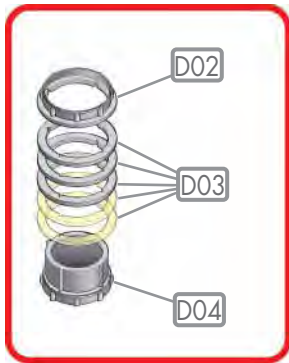
- D02 = 13 
- D03 = 49 
- D04 = 12 
- D14 = 1 



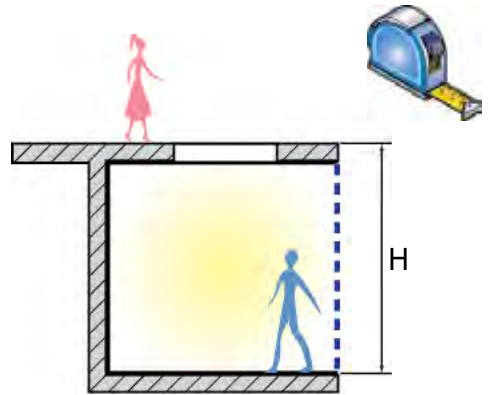






| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 295 | 116 1/8" | 4 | 0 | 13 | 1 |
| 296 | 116 9/16" | 14 | 2 | 13 | 1 |
| 297 | 116 15/16" | 14 | 4 | 13 | 1 |
| 298 | 117 5/16" | 14 | 6 | 13 | 1 |
| 299 | 117 11/16" | 14 | 8 | 13 | 1 |
| 300 | 118 1/8" | 14 | 10 | 13 | 1 |
| 301 | 118 1/2" | 14 | 12 | 13 | 1 |
| 302 | 118 7/8" | 14 | 14 | 13 | 1 |
| 303 | 119 5/16" | 14 | 16 | 13 | 1 |
| 304 | 119 11/16" | 14 | 18 | 13 | 1 |
| 305 | 120 1/16" | 14 | 20 | 13 | 1 |
| 306 | 120 1/2" | 14 | 22 | 13 | 1 |
| 307 | 120 7/8" | 14 | 24 | 13 | 1 |
| 308 | 121 1/4" | 14 | 26 | 13 | 1 |
| 309 | 121 5/8" | 14 | 28 | 13 | 1 |
| 310 | 122 1/16" | 14 | 30 | 13 | 1 |
| 311 | 122 7/16" | 14 | 32 | 13 | 1 |
| 312 | 122 13/16" | 14 | 34 | 13 | 1 |
| 313 | 123 1/4" | 14 | 36 | 13 | 1 |
| 314 | 123 5/8" | 14 | 38 | 13 | 1 |
| 315 | 124" | 14 | 40 | 13 | 1 |
| 316 | 124 7/16" | 14 | 42 | 13 | 1 |
| 317 | 124 13/16" | 14 | 44 | 13 | 1 |
| 318 | 125 3/16" | 14 | 46 | 13 | 1 |
| 319 | 125 9/16" | 14 | 48 | 13 | 1 |
| 320 | 126" | 14 | 50 | 13 | 1 |
| 321 | 126 3/8" | 14 | 52 | 13 | 1 |
| 322 | 126 3/4" | 14 | 54 | 13 | 1 |
| 323 | 127 3/16" | 14 | 56 | 13 | 1 |
| 324 | 127 9/16" | 14 | 58 | 13 | 1 |
| 325 | 127 15/16" | 14 | 60 | 13 | 1 |
| 326 | 128 3/8" | 14 | 62 | 13 | 1 |
| 327 | 128 3/4" | 14 | 64 | 13 | 1 |
| 328 | 129 1/8" | 14 | 66 | 13 | 1 |
| 329 | 129 1/2" | 14 | 68 | 13 | 1 |
| 330 | 129 15/16" | 14 | 70 | 13 | 1 |

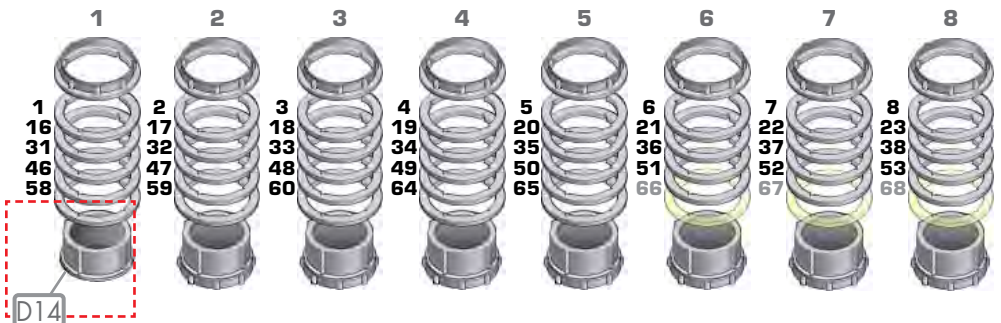


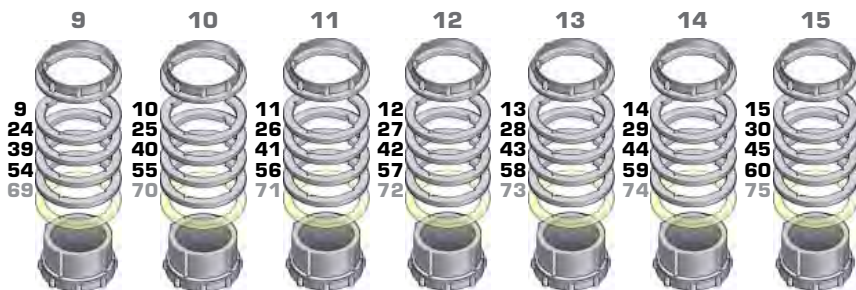
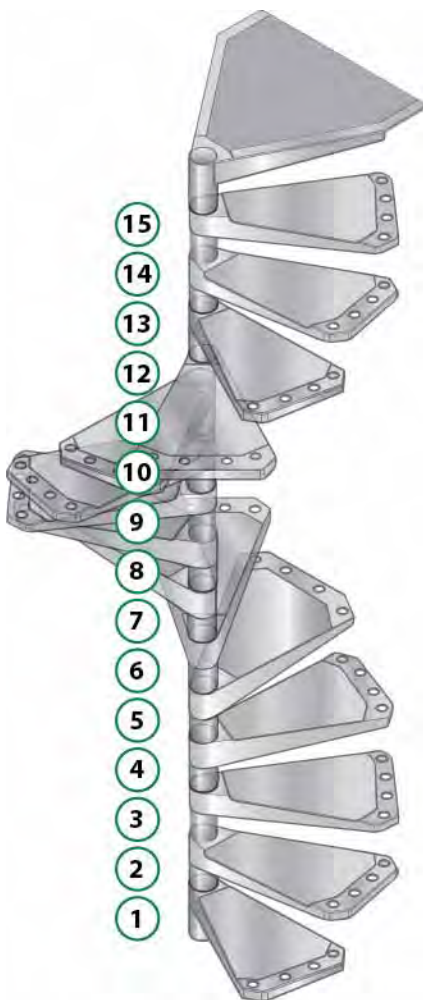
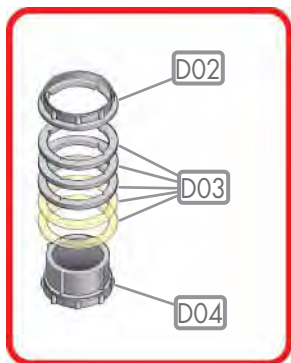


| H cm | H inch | D02 | D03 | D04 | D14 |
|---------|------------|-----|-----|-----|-----|
| 316 | 124 7/16" | 15 | 1 | 14 | 1 |
| 317 | 124 13/16" | 15 | 3 | 14 | 1 |
| 318 | 125 3/16" | 15 | 5 | 14 | 1 |
| 319 | 125 9/16" | 15 | 7 | 14 | 1 |
| 320 | 126" | 15 | 9 | 14 | 1 |
| 321 | 126 3/8" | 15 | 11 | 14 | 1 |
| 322 | 126 3/4" | 15 | 13 | 14 | 1 |
| 323 | 127 3/16" | 15 | 15 | 14 | 1 |
| 324 | 127 9/16" | 15 | 17 | 14 | 1 |
| 325 | 127 15/16" | 15 | 19 | 14 | 1 |
| 326 | 128 3/8" | 15 | 21 | 14 | 1 |
| 327 | 128 3/4" | 15 | 23 | 14 | 1 |
| 328 | 129 1/8" | 15 | 25 | 14 | 1 |
| 329 | 129 1/2" | 15 | 27 | 14 | 1 |
| 330 | 129 15/16" | 15 | 29 | 14 | 1 |
| 331 | 130 5/16" | 15 | 31 | 14 | 1 |
| 332 | 130 11/16" | 15 | 33 | 14 | 1 |
| 333 | 131 1/8" | 15 | 35 | 14 | 1 |
| 334 | 131 1/2" | 15 | 37 | 14 | 1 |
| 335 | 131 7/8" | 15 | 39 | 14 | 1 |
| 336 | 132 5/16" | 15 | 41 | 14 | 1 |
| 337 | 132 11/16" | 15 | 43 | 14 | 1 |
| 338 | 133 1/16" | 15 | 45 | 14 | 1 |
| 339 | 133 7/16" | 15 | 47 | 14 | 1 |
| 340 | 133 7/8" | 15 | 49 | 14 | 1 |
| 341 | 134 1/4" | 15 | 51 | 14 | 1 |
| 342 | 134 5/8" | 15 | 53 | 14 | 1 |
| 343 | 135 10/16" | 15 | 55 | 14 | 1 |
| 344 | 135 7/16" | 15 | 57 | 14 | 1 |
| 345 | 135 13/16" | 15 | 59 | 14 | 1 |
| 346 | 136 1/4" | 15 | 61 | 14 | 1 |
| 347 | 136 5/8" | 15 | 63 | 14 | 1 |
| 348 | 137" | 15 | 65 | 14 | 1 |
| 349 | 137 3/8" | 15 | 67 | 14 | 1 |
| 350 | 137 13/16" | 15 | 69 | 14 | 1 |
| 351 | 138 3/16" | 15 | 71 | 14 | 1 |
| 352 | 138 9/16" | 15 | 73 | 14 | 1 |
| 353 | 139" | 15 | 75 | 14 | 1 |

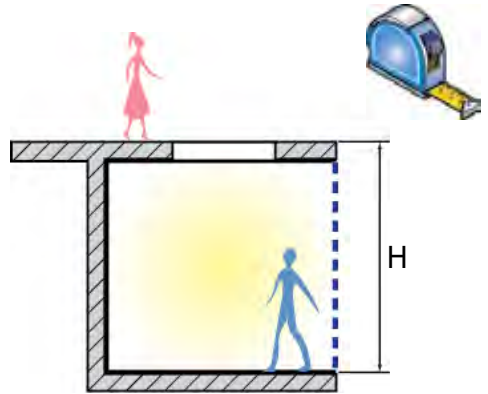


D02 = 15 
 D03 = 65 
 H = 348 (137")
 D04 = 14 
 D14 = 1 



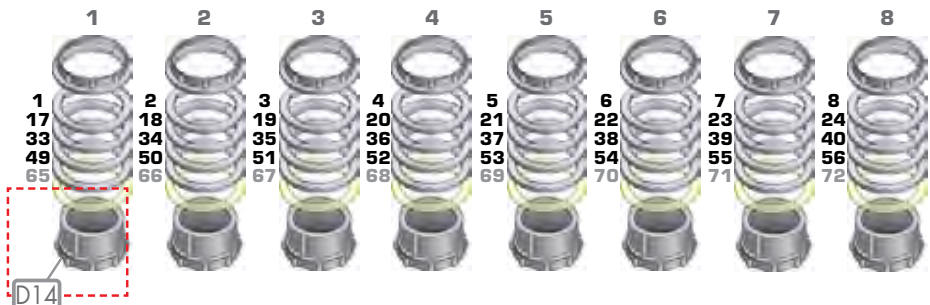


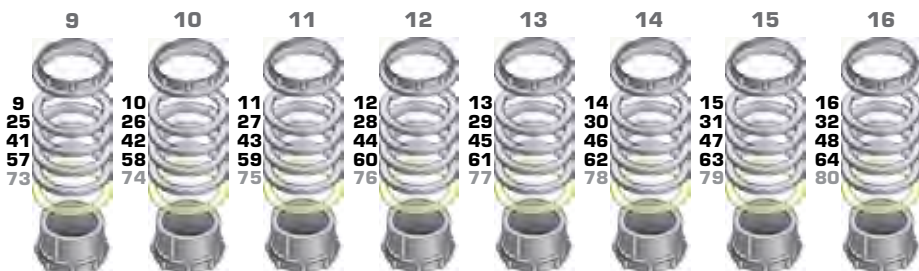
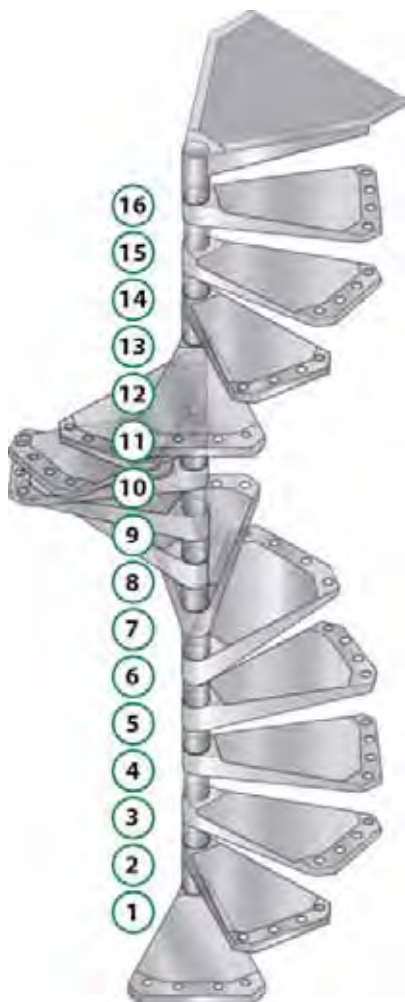
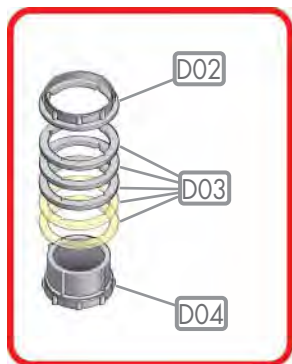
| H cm | H inch | D02 | D03 | D04 | D14 |
|------|------------|-----|-----|-----|-----|
| 337 | 132 11/16" | 16 | 0 | 15 | 1 |
| 338 | 133 1/16" | 16 | 2 | 15 | 1 |
| 339 | 133 7/16" | 16 | 4 | 15 | 1 |
| 340 | 133 7/8" | 16 | 6 | 15 | 1 |
| 341 | 134 1/4" | 16 | 8 | 15 | 1 |
| 342 | 134 5/8" | 16 | 10 | 15 | 1 |
| 343 | 135 1/16" | 16 | 12 | 15 | 1 |
| 344 | 135 7/16" | 16 | 14 | 15 | 1 |
| 345 | 135 13/16" | 16 | 16 | 15 | 1 |
| 346 | 136 1/4" | 16 | 18 | 15 | 1 |
| 347 | 136 5/8" | 16 | 20 | 15 | 1 |
| 348 | 137" | 16 | 22 | 15 | 1 |
| 349 | 137 3/8" | 16 | 24 | 15 | 1 |
| 350 | 137 13/16" | 16 | 26 | 15 | 1 |
| 351 | 138 3/16" | 16 | 28 | 15 | 1 |
| 352 | 138 9/16" | 16 | 30 | 15 | 1 |
| 353 | 139" | 16 | 32 | 15 | 1 |
| 354 | 139 3/8" | 16 | 34 | 15 | 1 |
| 355 | 139 3/4" | 16 | 36 | 15 | 1 |
| 356 | 140 3/16" | 16 | 38 | 15 | 1 |
| 357 | 140 9/16" | 16 | 40 | 15 | 1 |
| 358 | 140 15/16" | 16 | 42 | 15 | 1 |
| 359 | 141 5/16" | 16 | 44 | 15 | 1 |
| 360 | 141 3/4" | 16 | 46 | 15 | 1 |
| 361 | 142 1/8" | 16 | 48 | 15 | 1 |
| 362 | 142 1/2" | 16 | 50 | 15 | 1 |
| 363 | 142 15/16" | 16 | 52 | 15 | 1 |
| 364 | 143 5/16" | 16 | 54 | 15 | 1 |
| 365 | 143 11/16" | 16 | 56 | 15 | 1 |
| 366 | 144 1/8" | 16 | 58 | 15 | 1 |
| 367 | 144 1/2" | 16 | 60 | 15 | 1 |
| 368 | 144 7/8" | 16 | 62 | 15 | 1 |
| 369 | 145 1/4" | 16 | 64 | 15 | 1 |
| 370 | 145 11/16" | 16 | 66 | 15 | 1 |
| 371 | 146 1/16" | 16 | 68 | 15 | 1 |
| 372 | 146 7/16" | 16 | 70 | 15 | 1 |
| 373 | 146 7/8" | 16 | 72 | 15 | 1 |
| 374 | 147 1/4" | 16 | 74 | 15 | 1 |
| 375 | 147 5/8" | 16 | 76 | 15 | 1 |
| 376 | 148 1/16" | 16 | 78 | 15 | 1 |
| 377 | 148 7/16" | 16 | 80 | 15 | 1 |

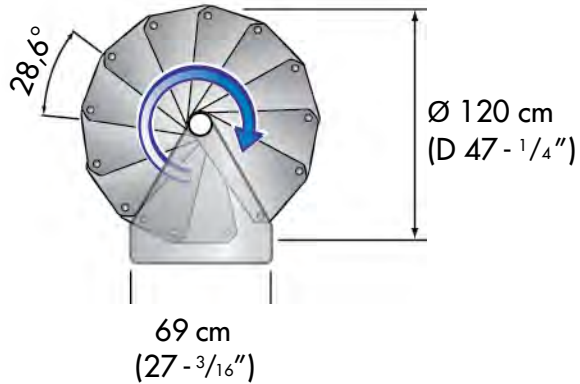
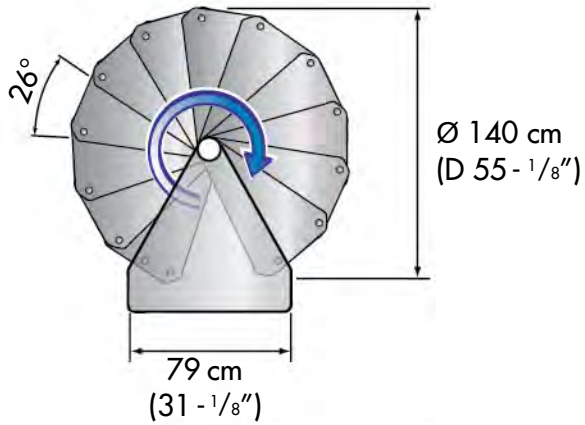
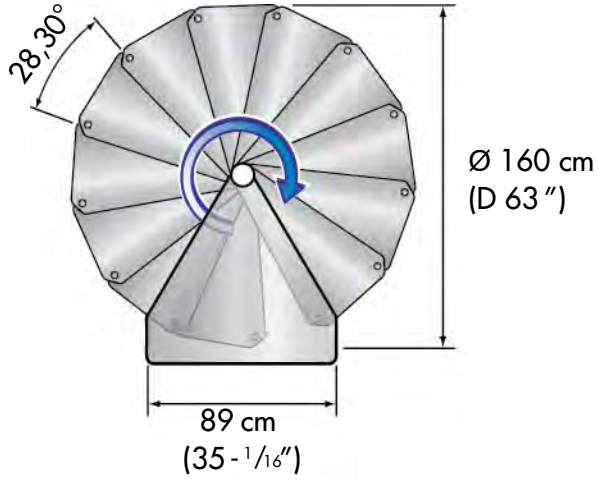


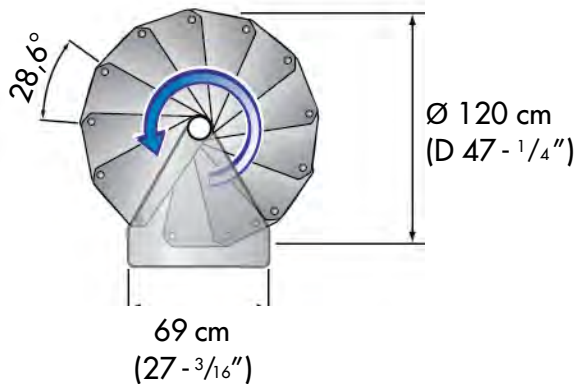
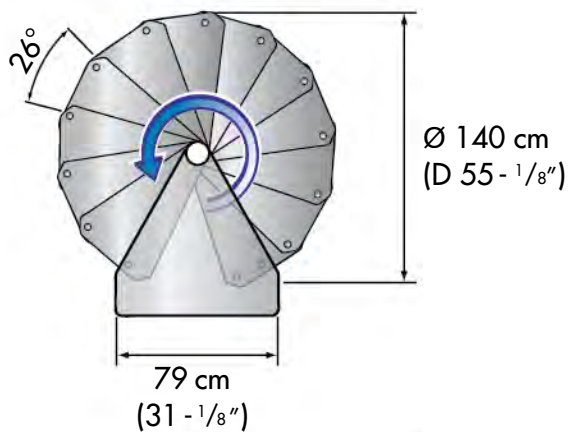
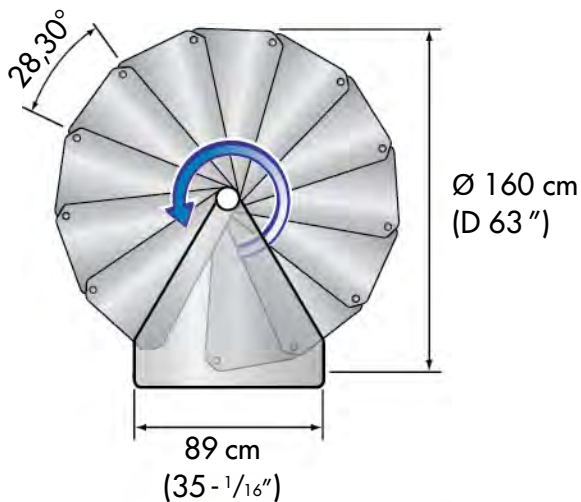
$H = 369$
 $(145 - 1/4")$

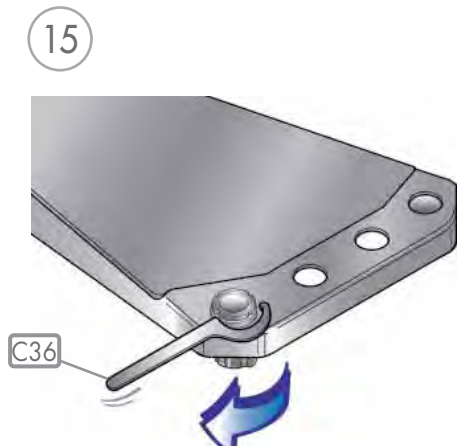
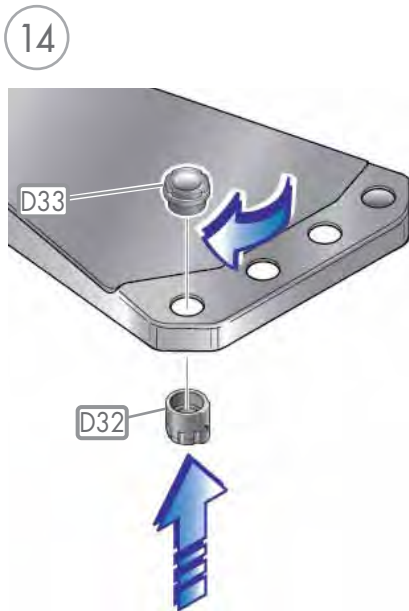
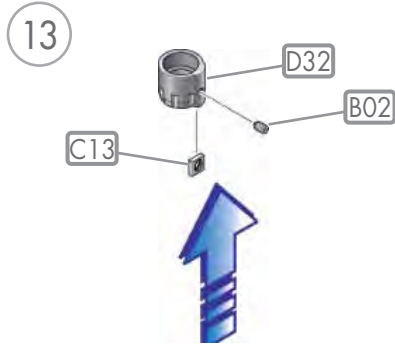
- D02 = 16
- D03 = 64
- D04 = 15
- D14 = 1

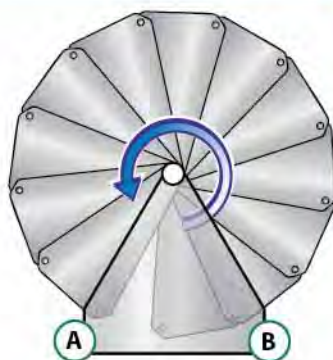
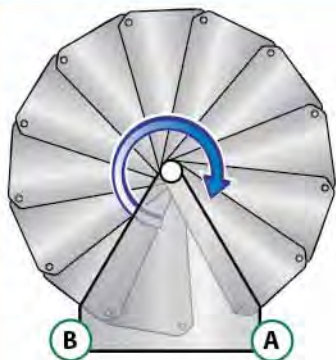






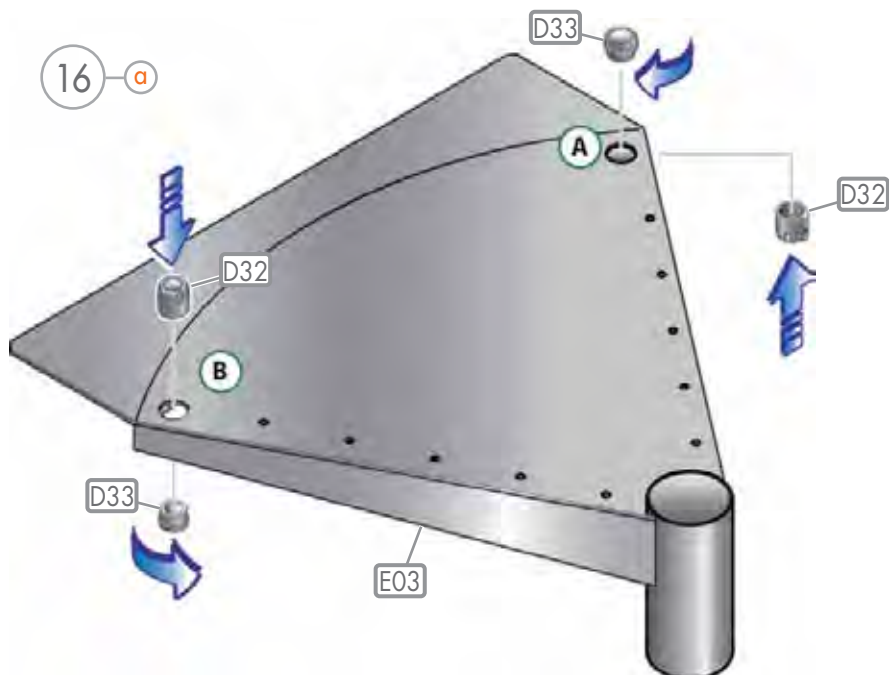


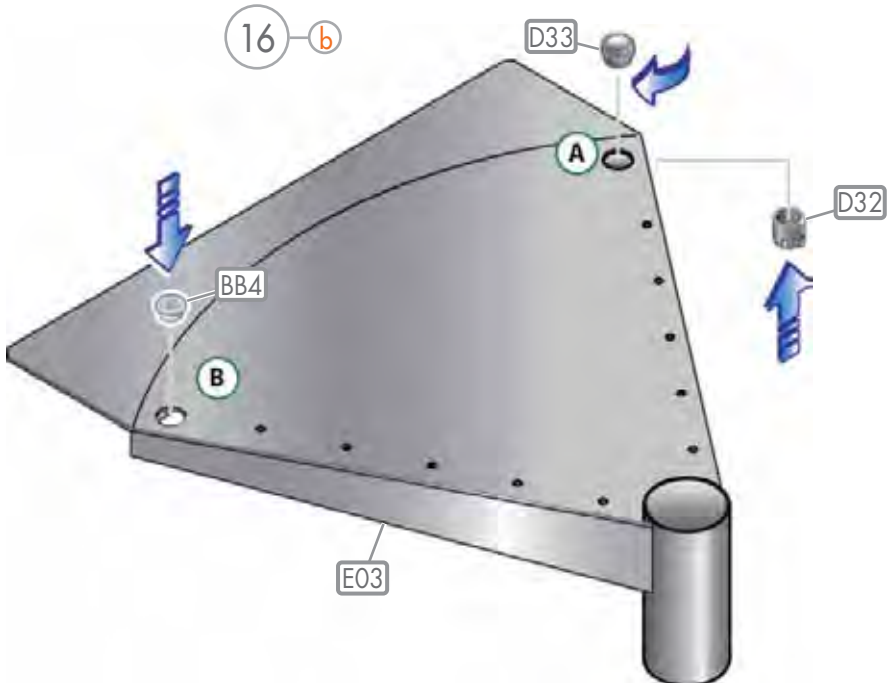
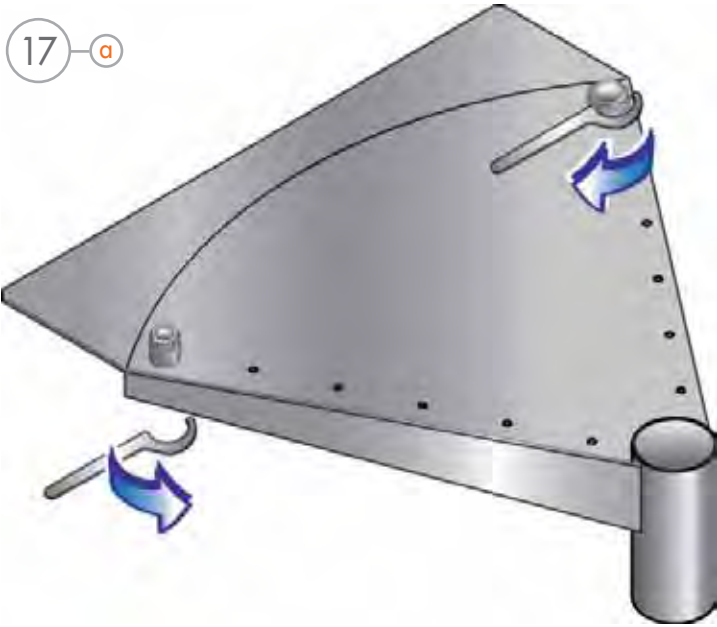


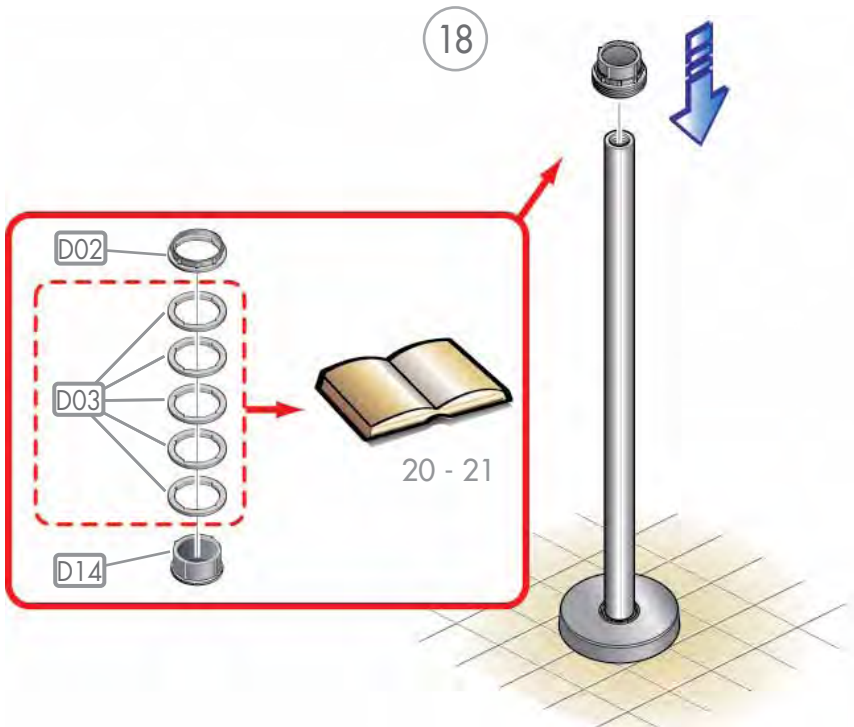
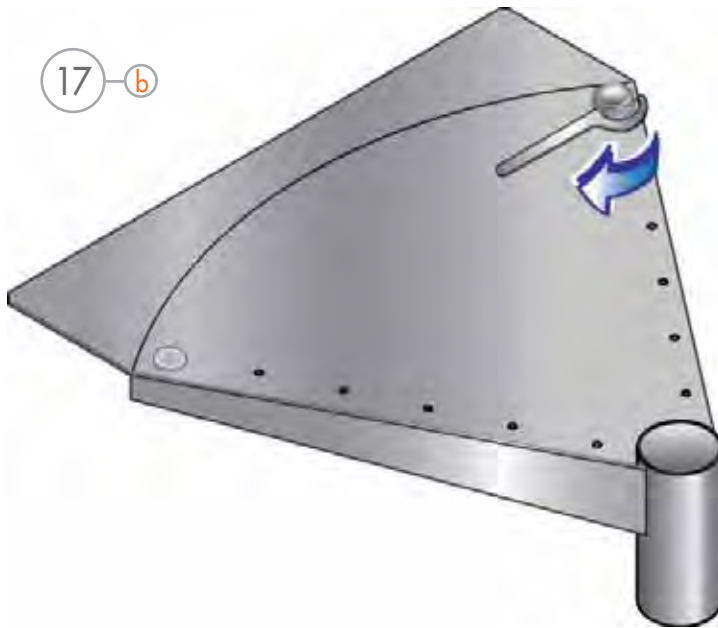


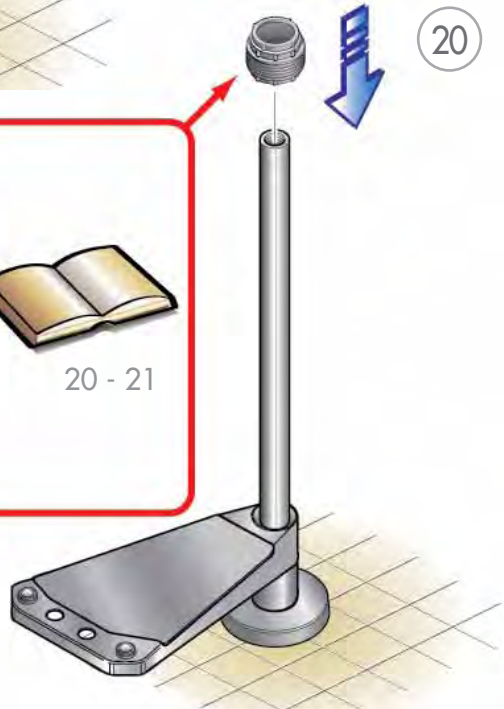
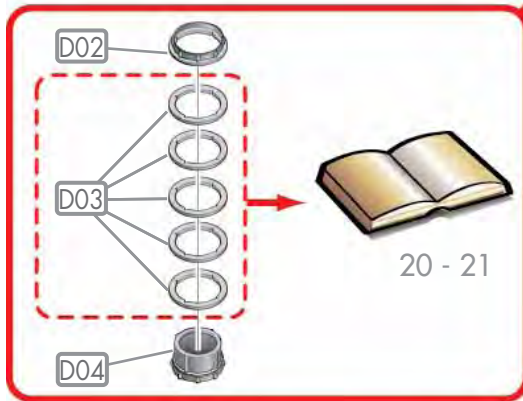
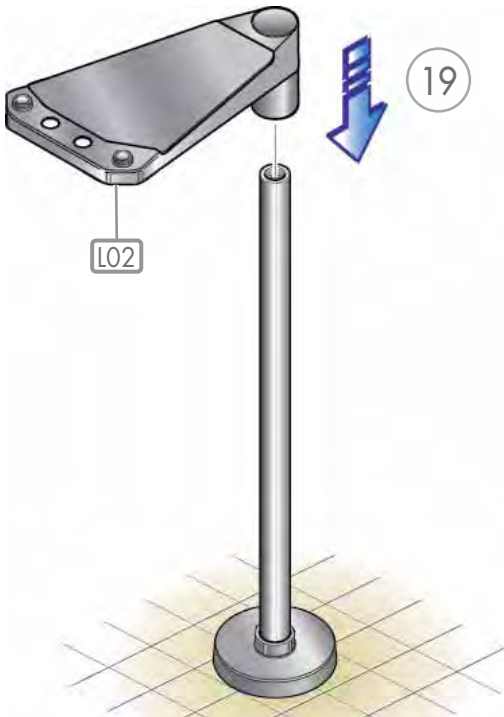
a Ø 120 cm
(D 47-1/4")
Ø 160 cm
(D 63")

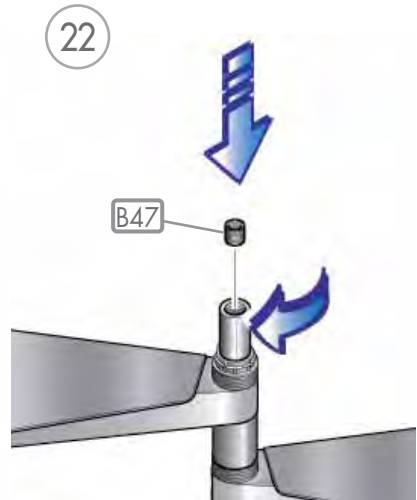
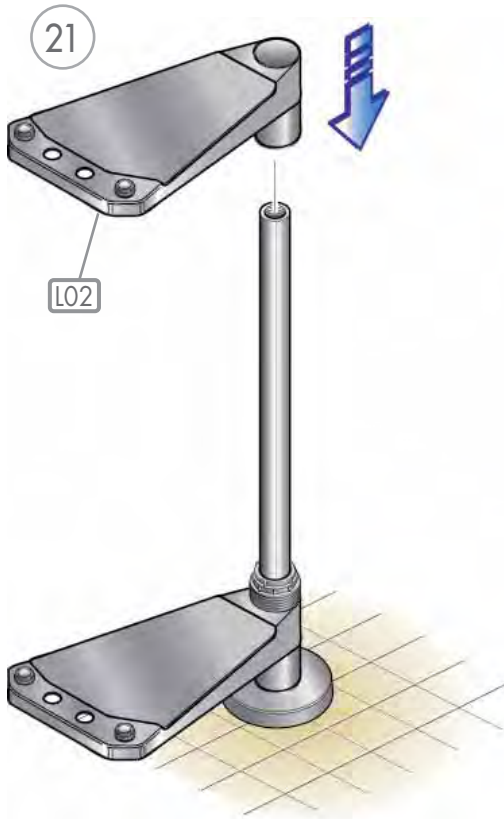
b Ø 140 cm
(D 55-1/4")



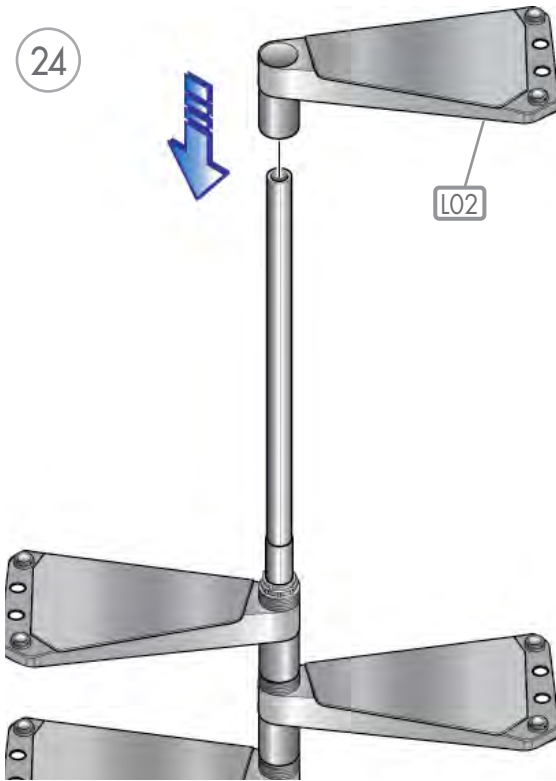




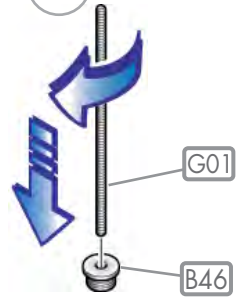




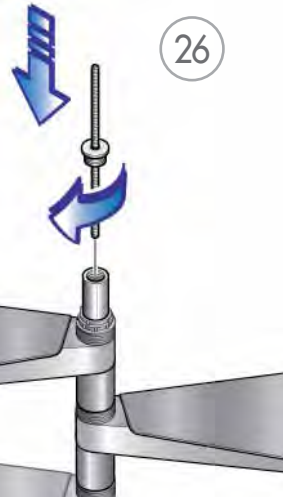
24



25

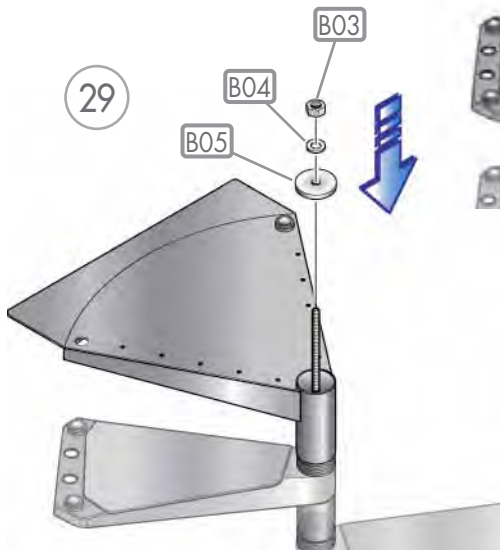
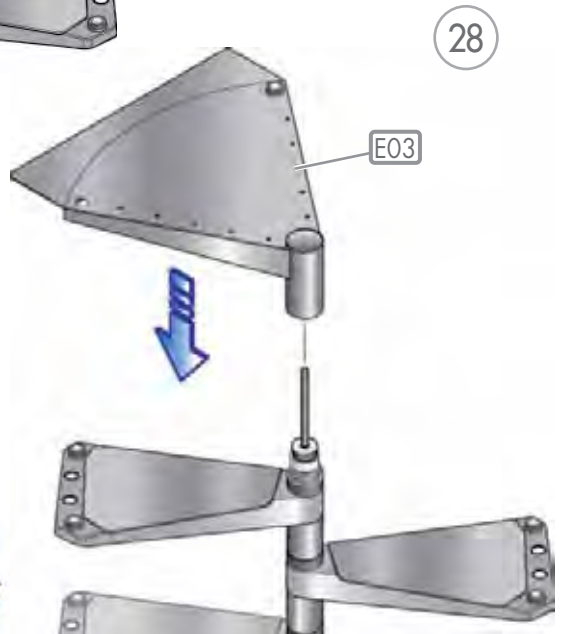
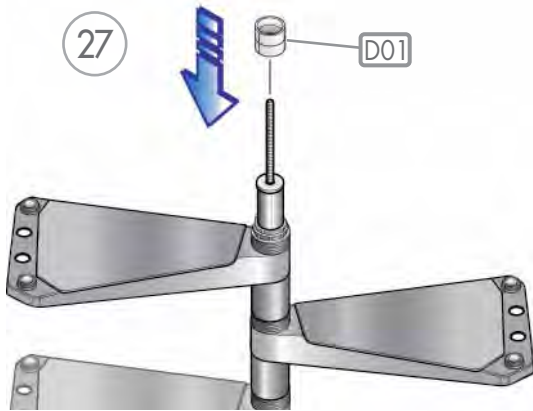


26

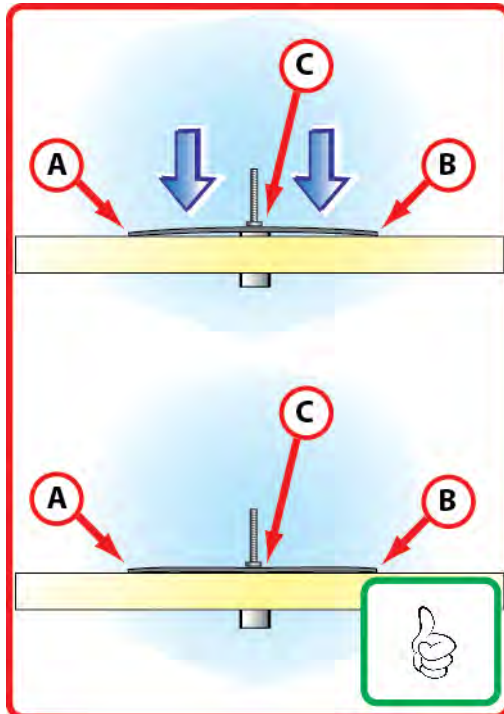
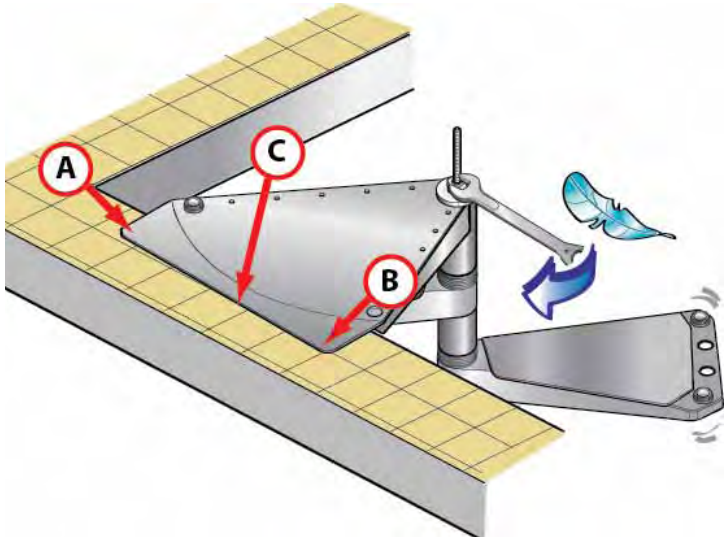


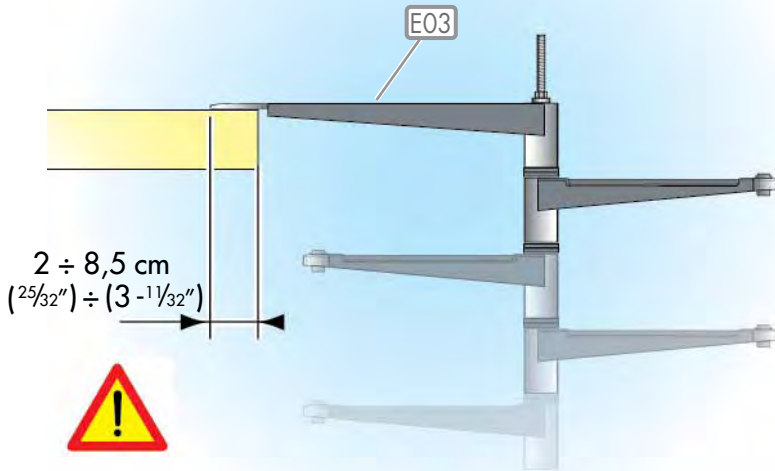
15 cm
(5 - 29/32")

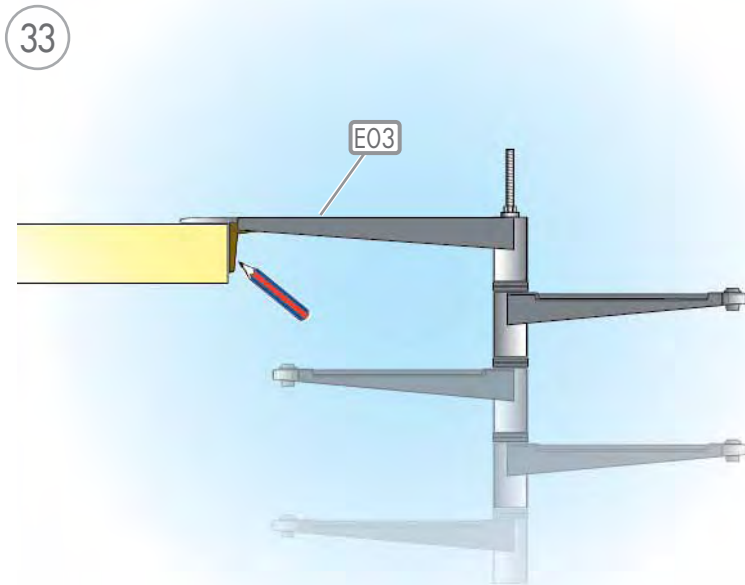
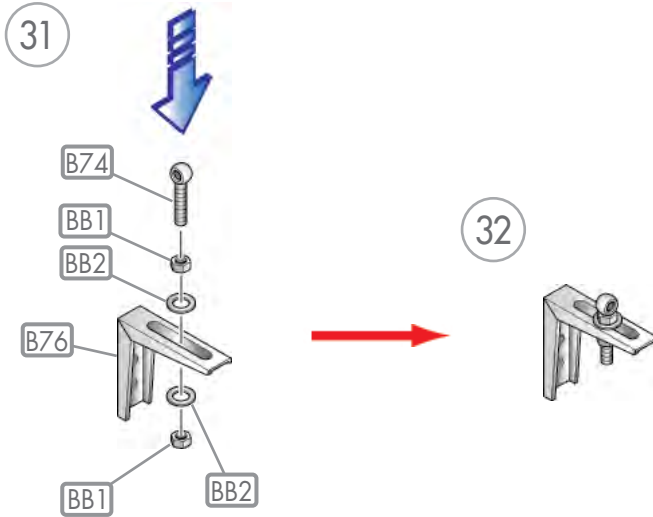




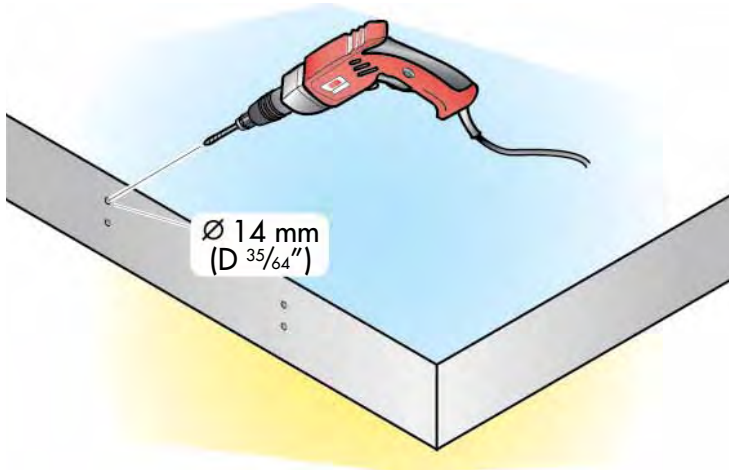
30



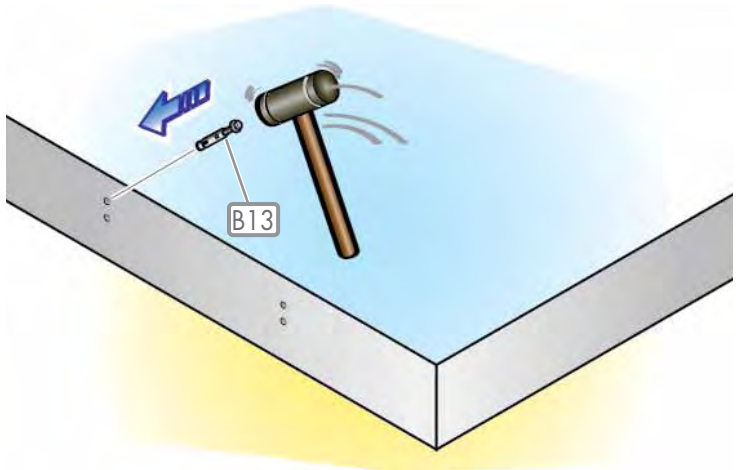


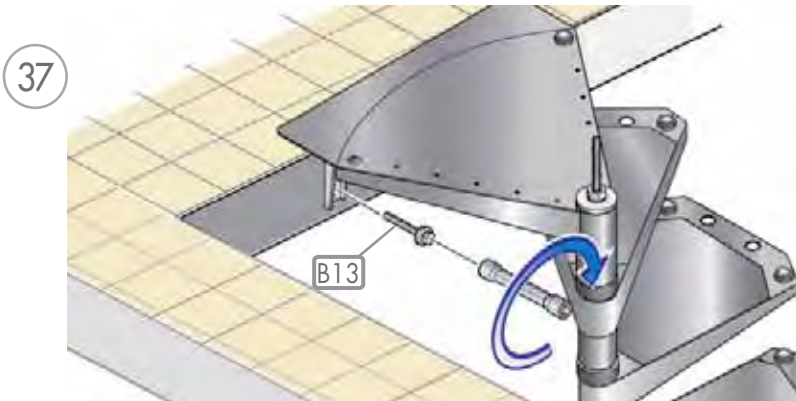
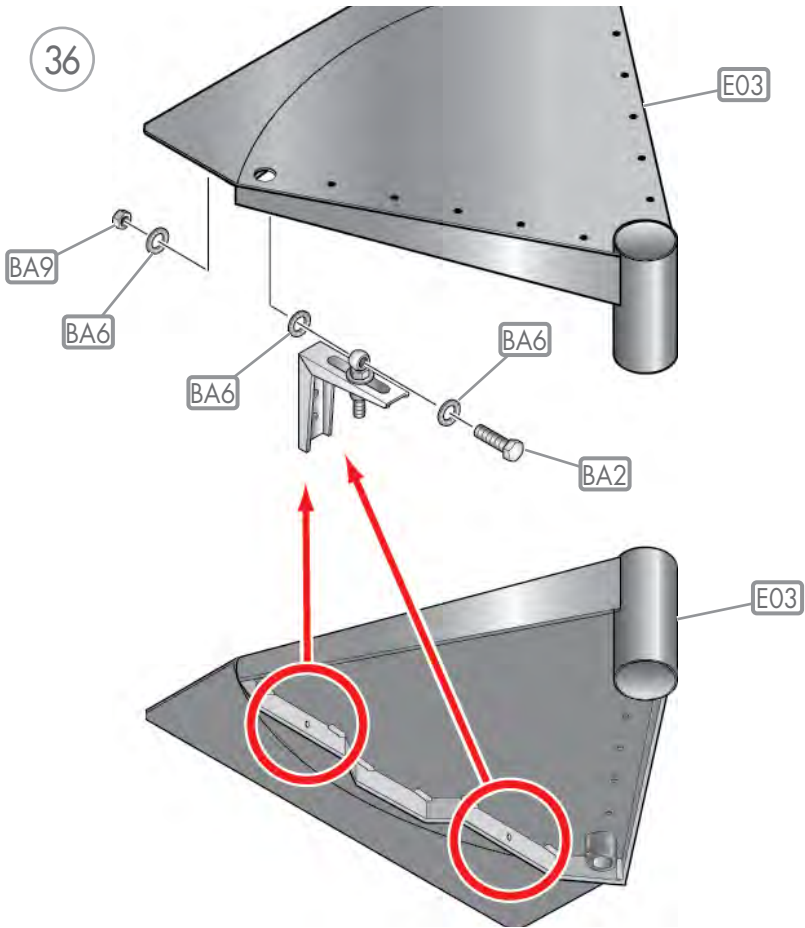


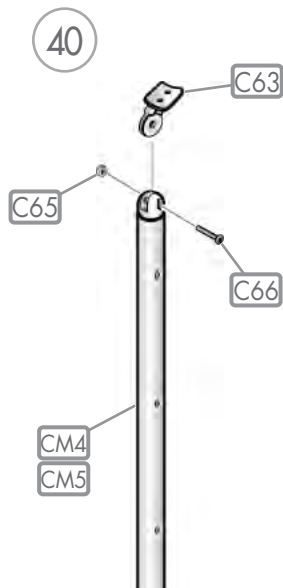
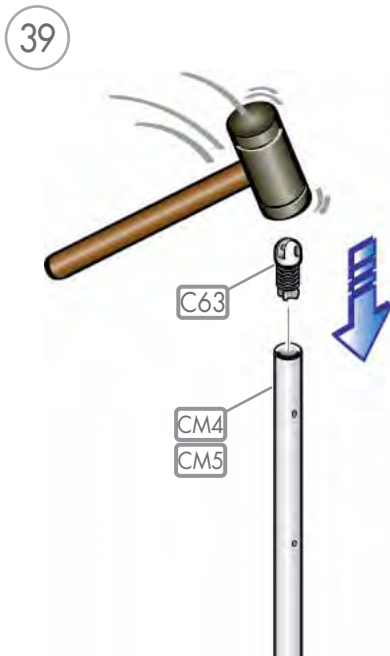
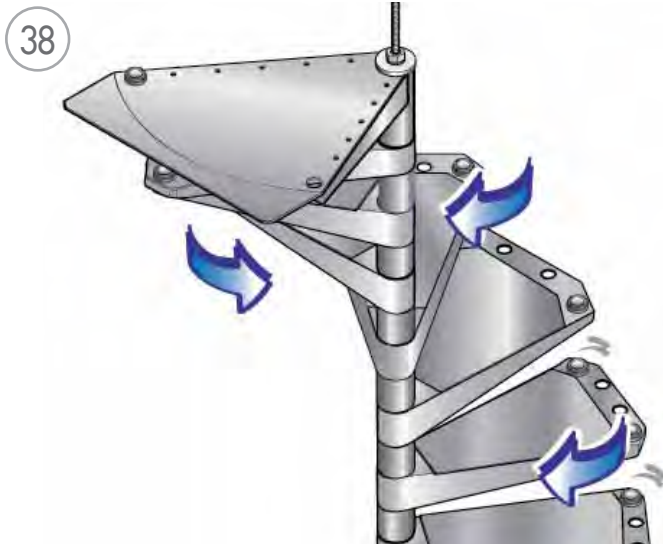
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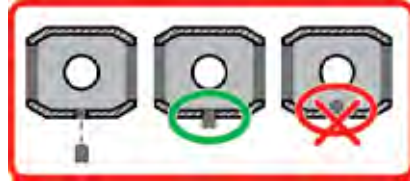
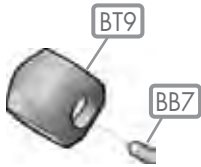
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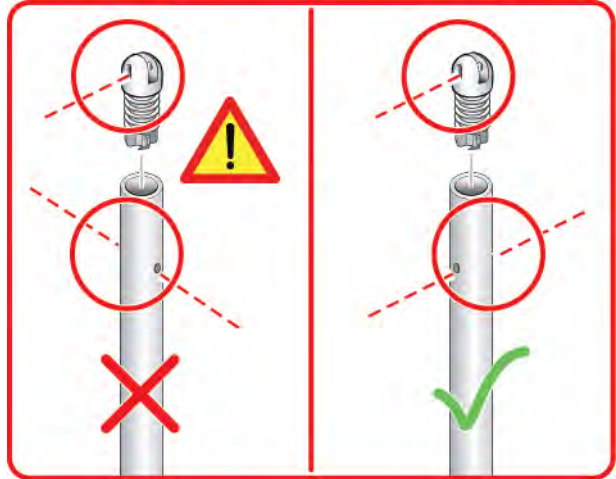




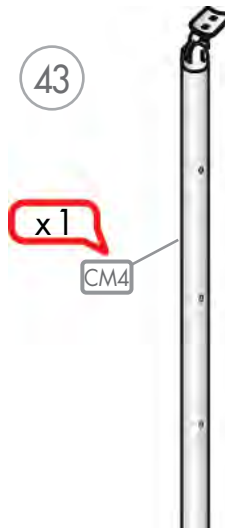
41



42

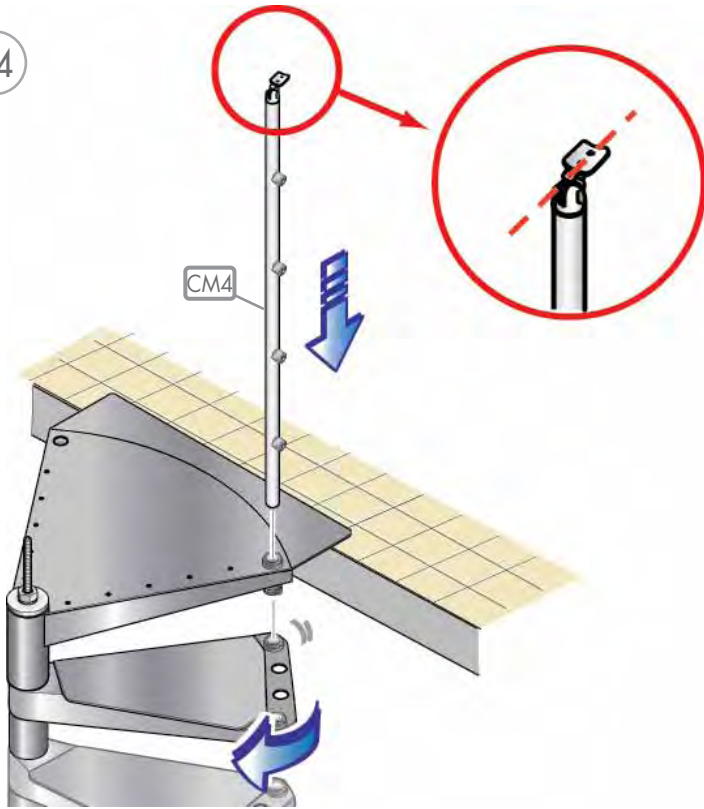


43

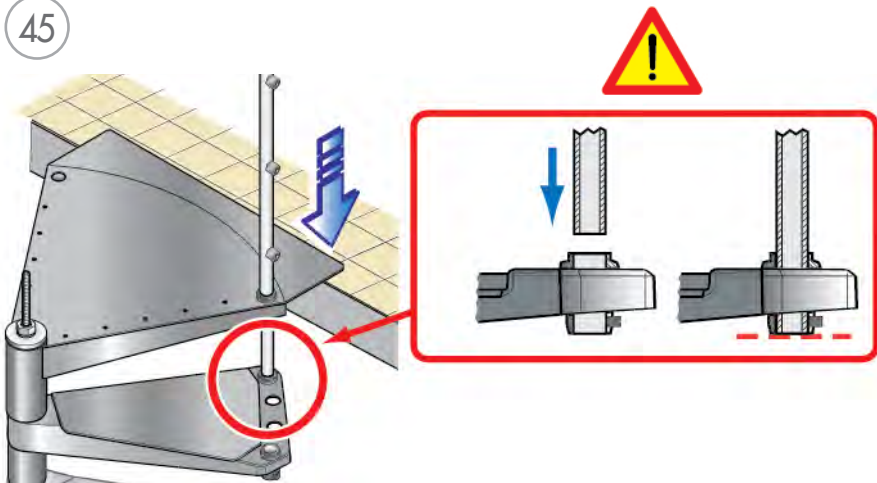


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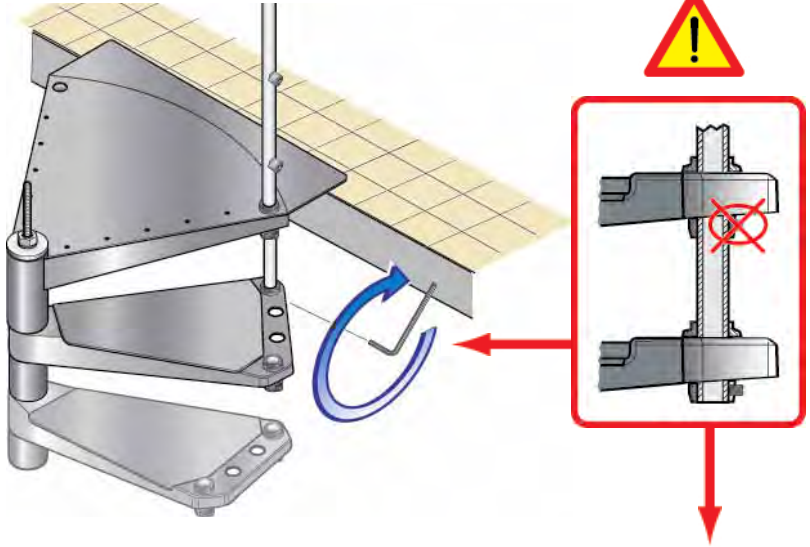
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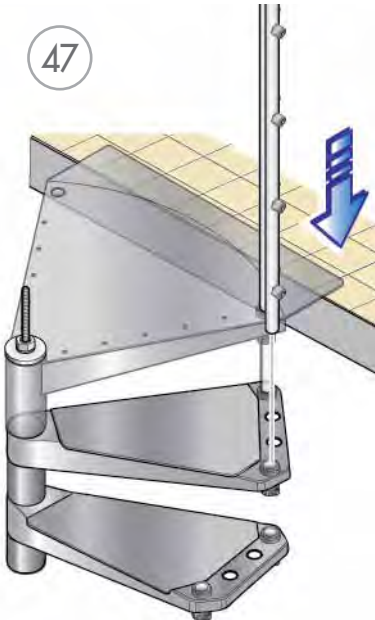
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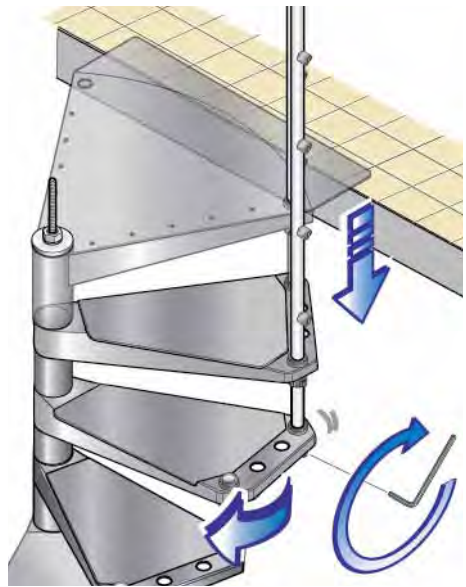
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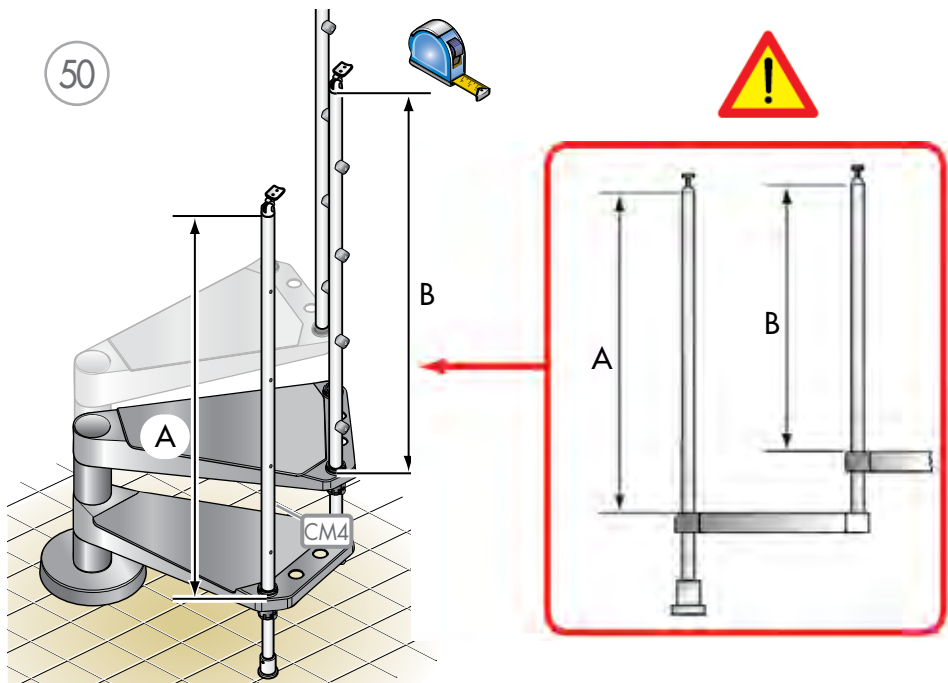
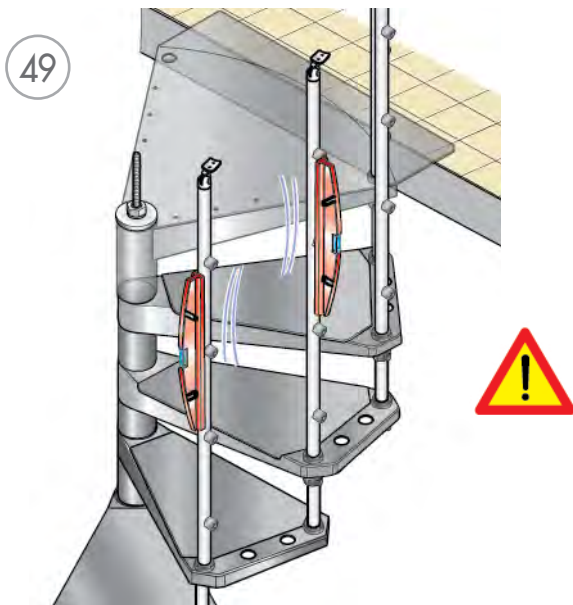


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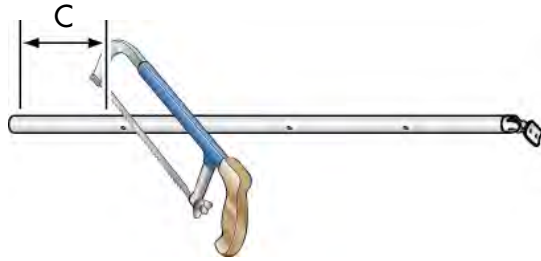
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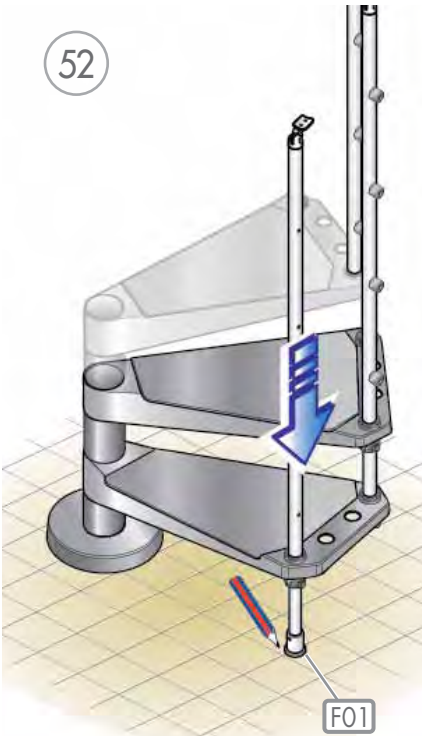


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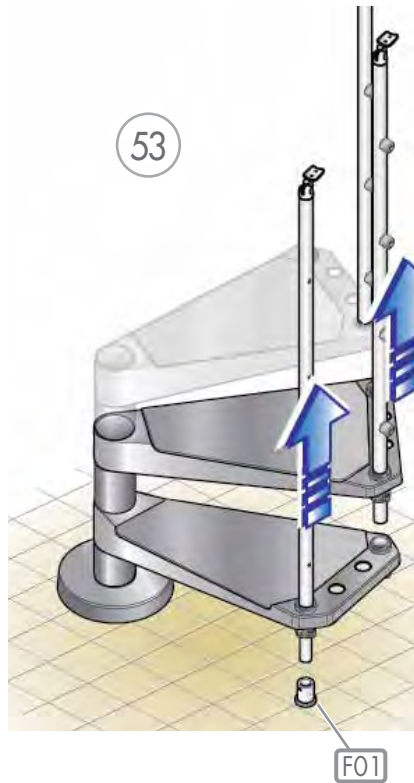
$$C = A - B$$



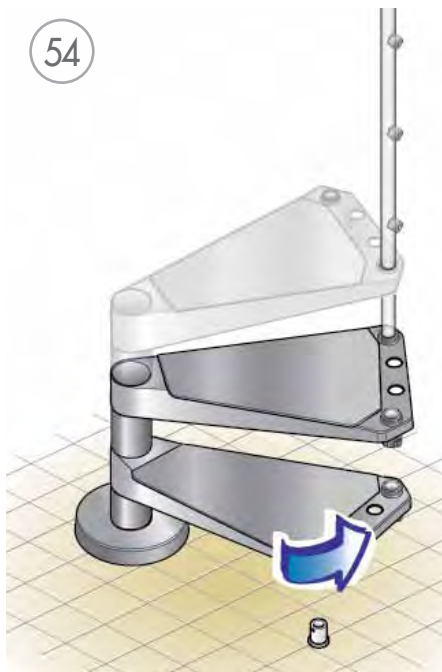
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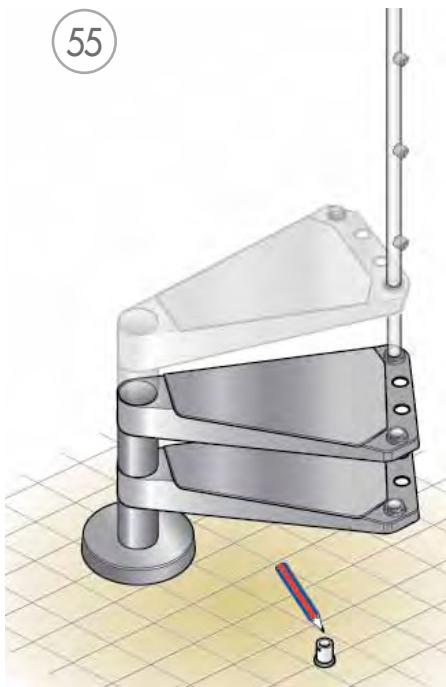
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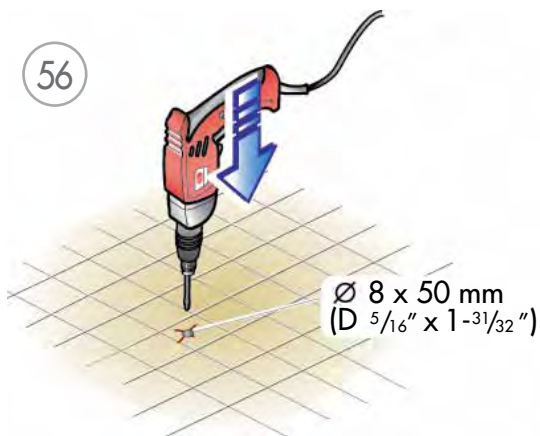
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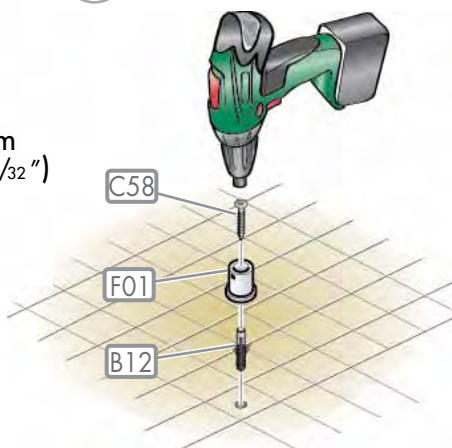
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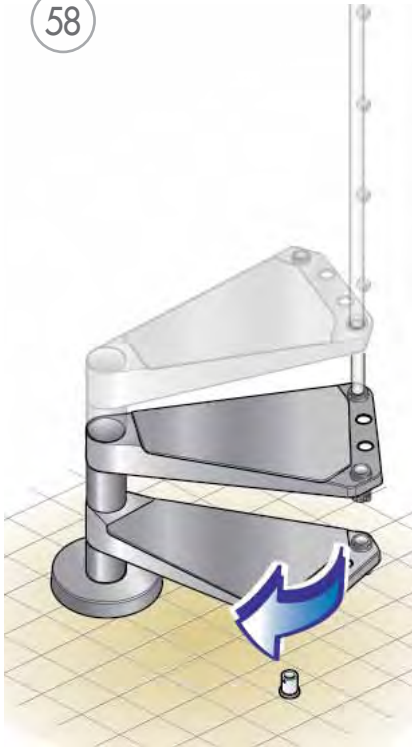
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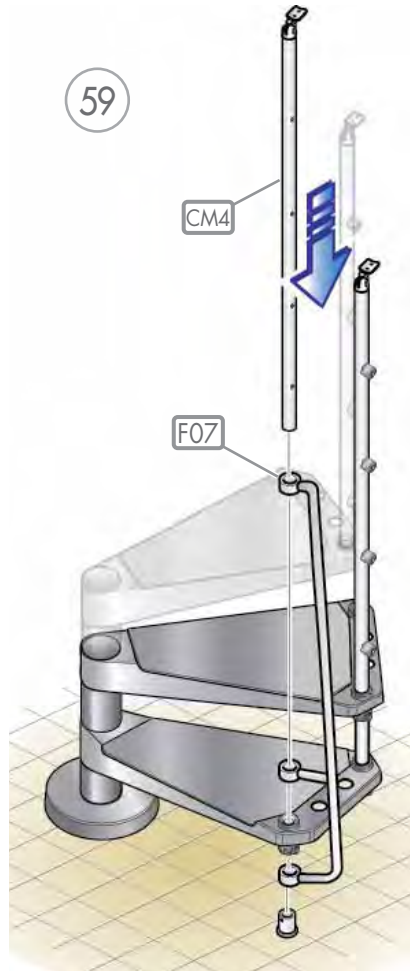
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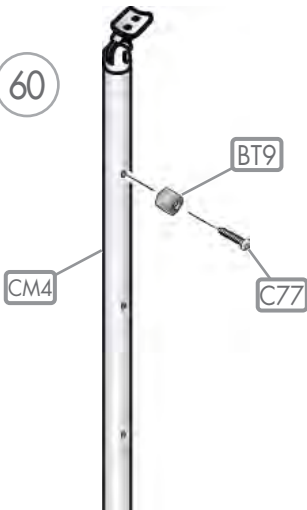
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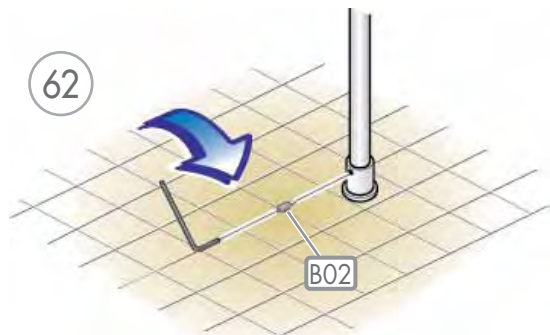
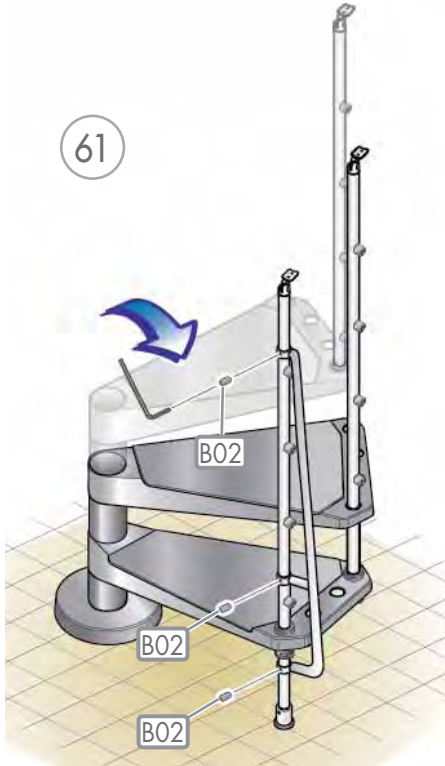


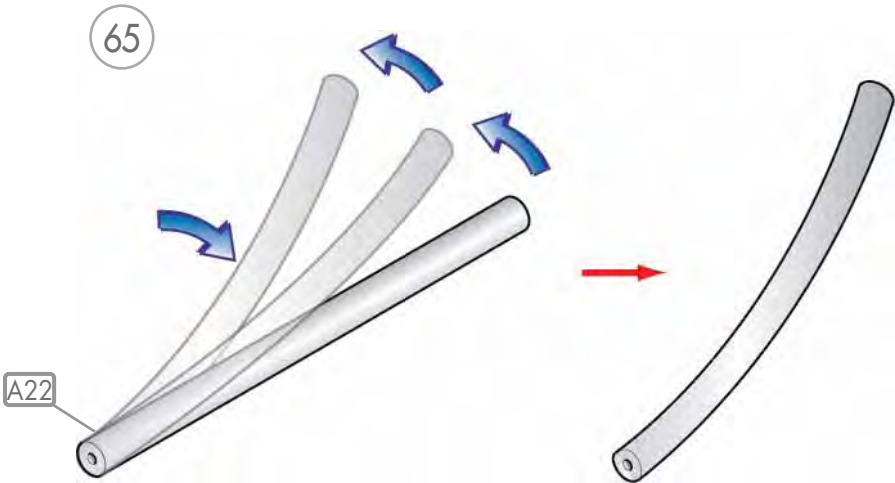
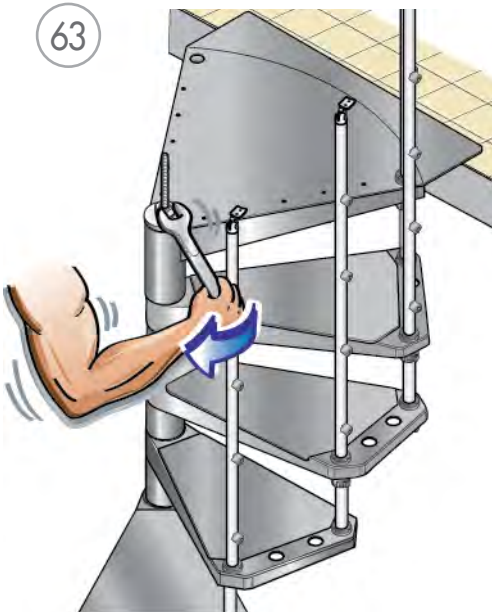
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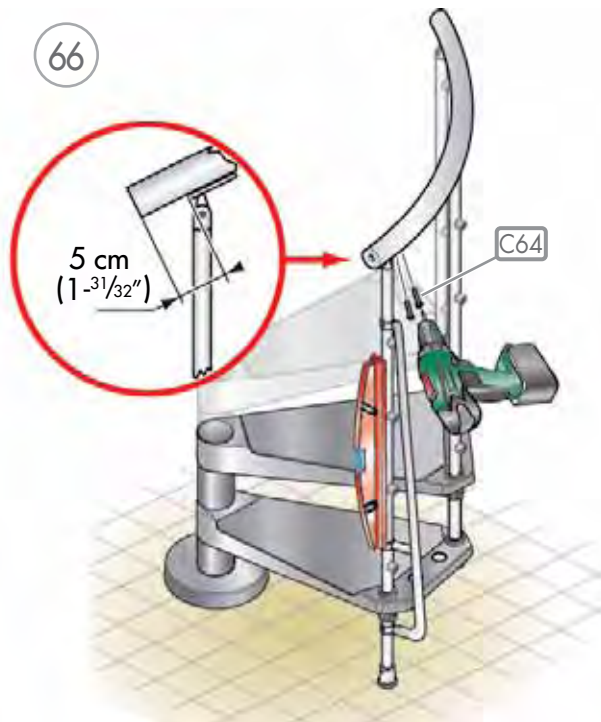


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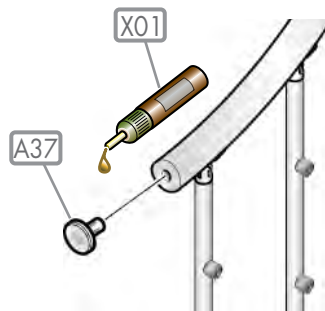


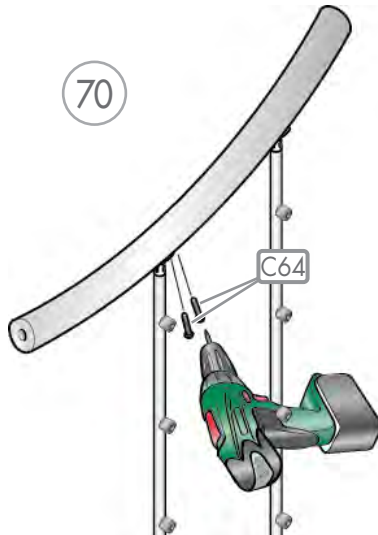
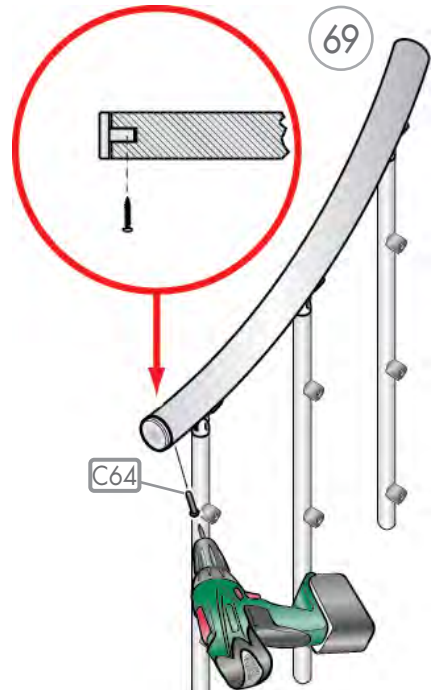
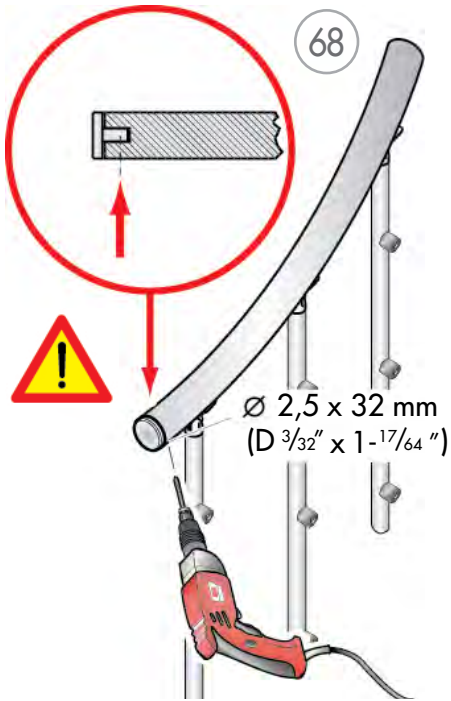


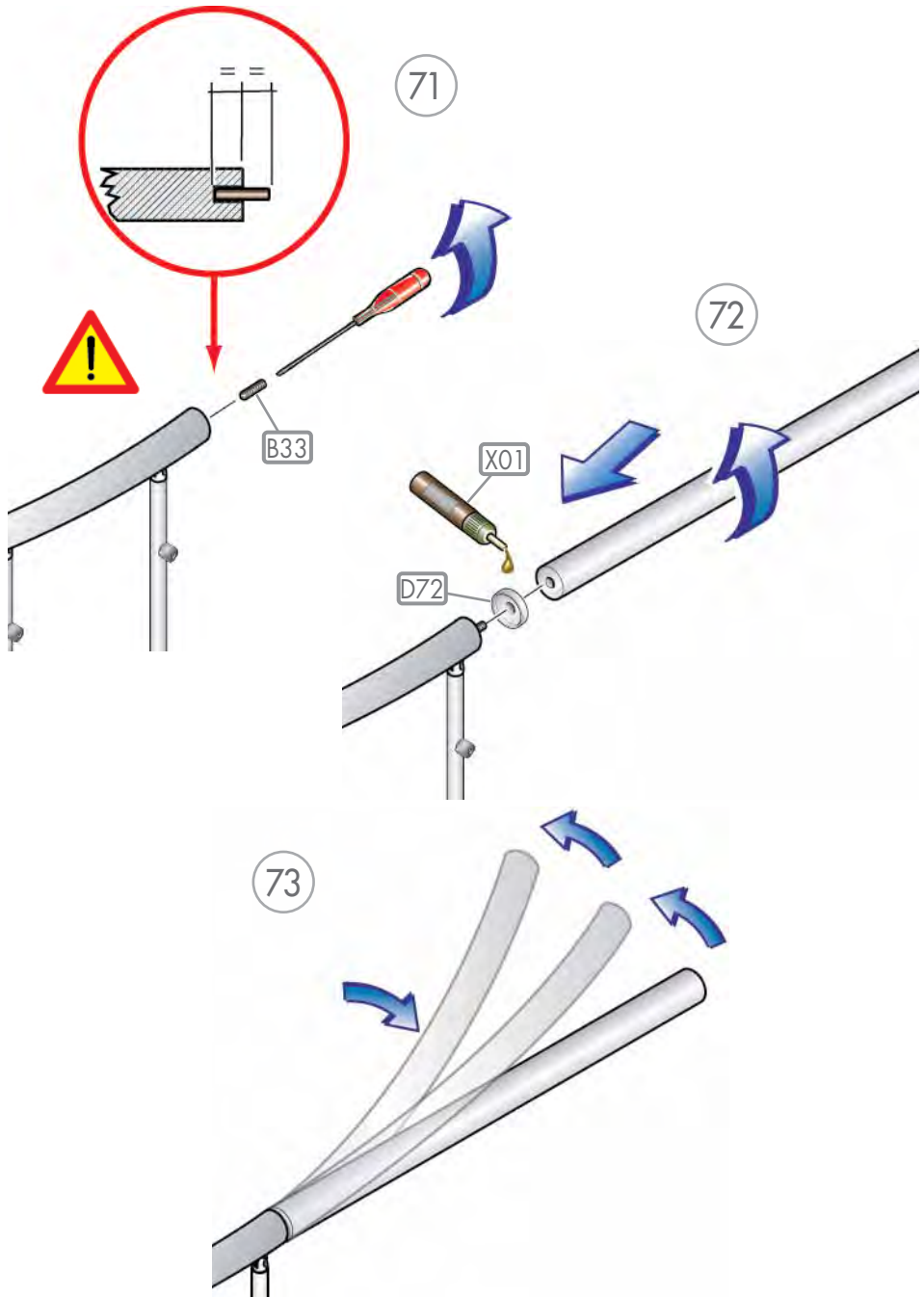


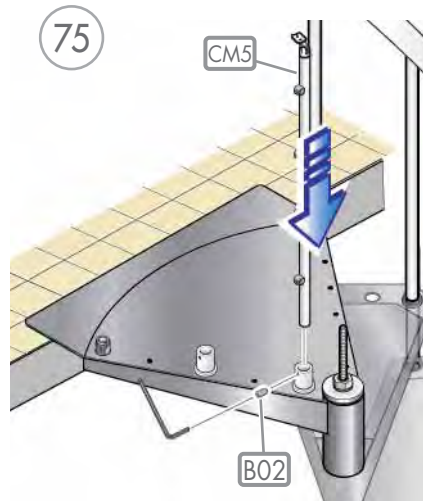
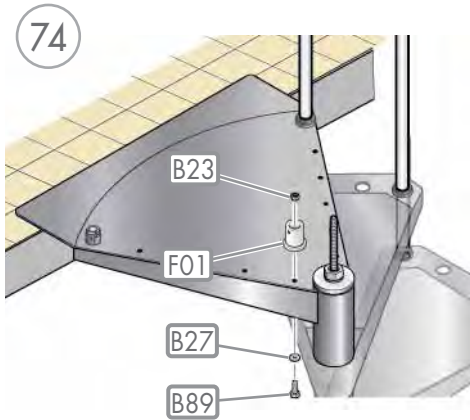
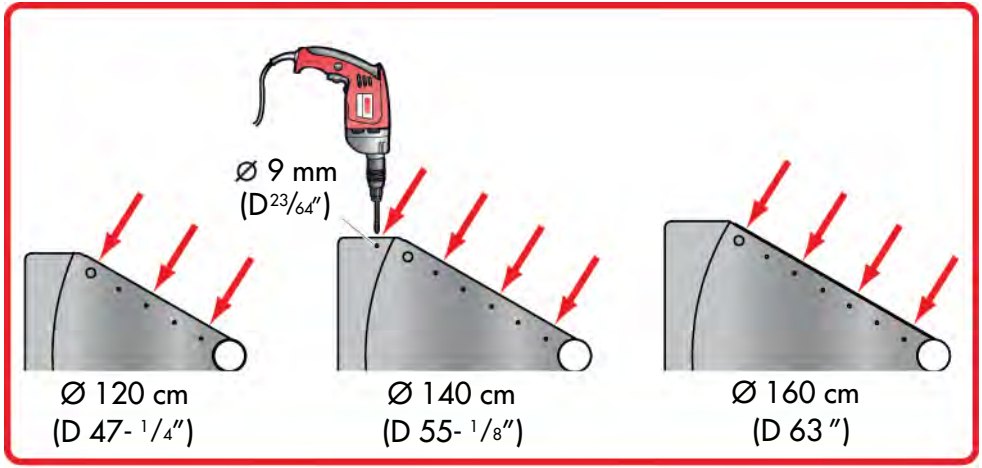


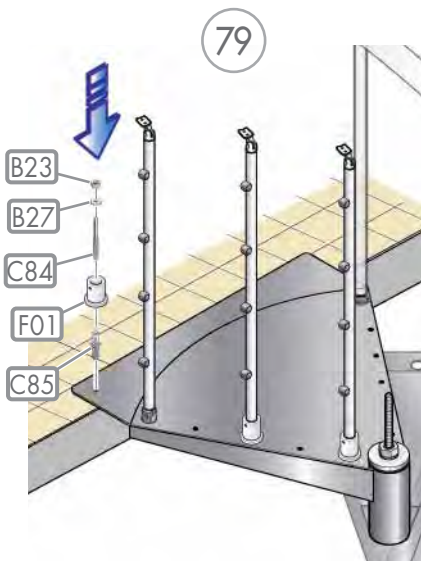
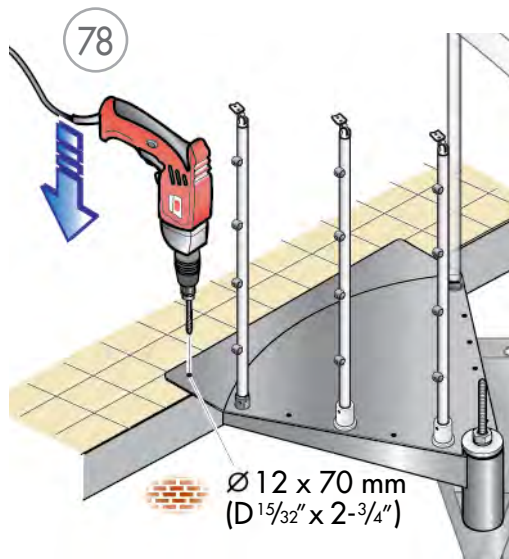
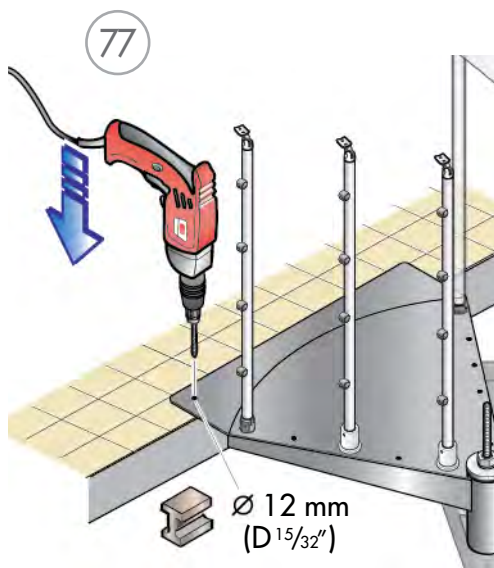
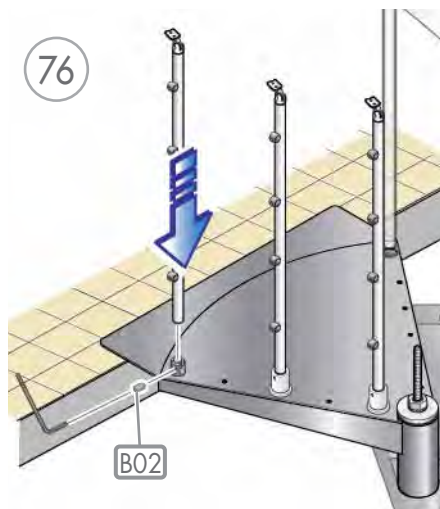
67

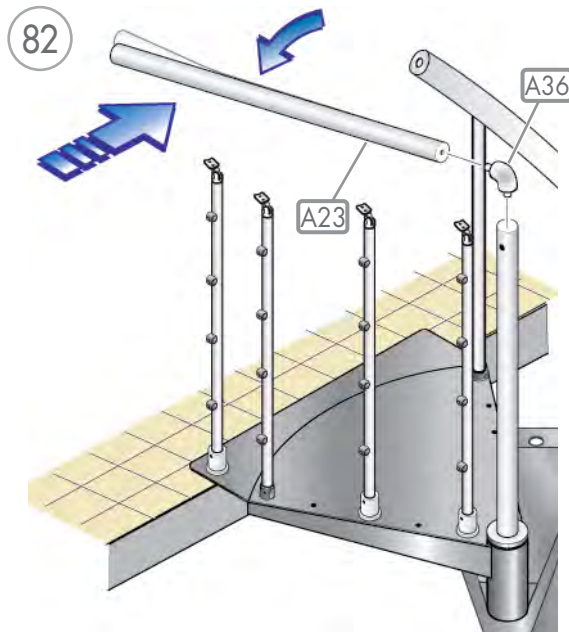
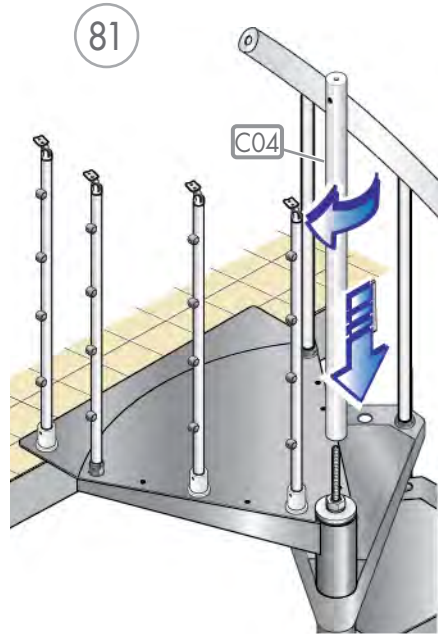
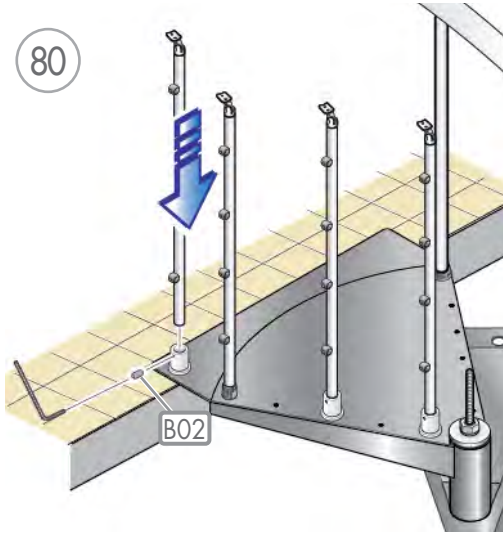






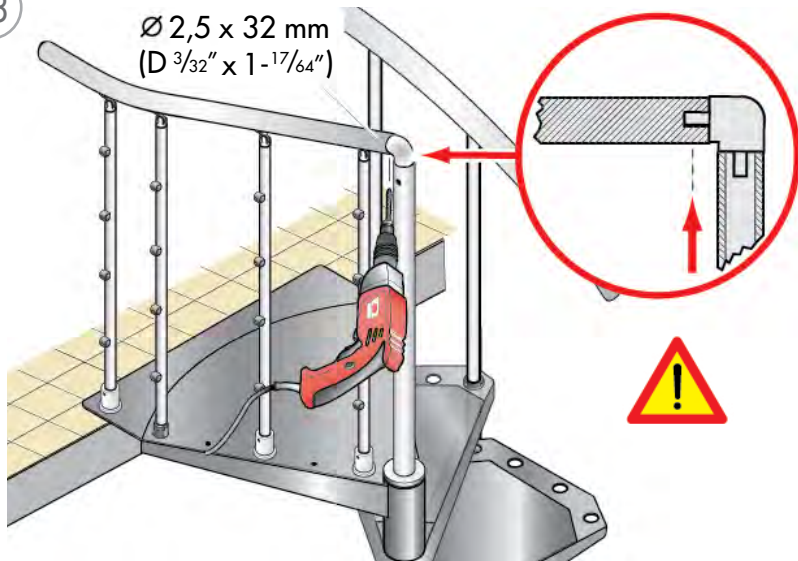






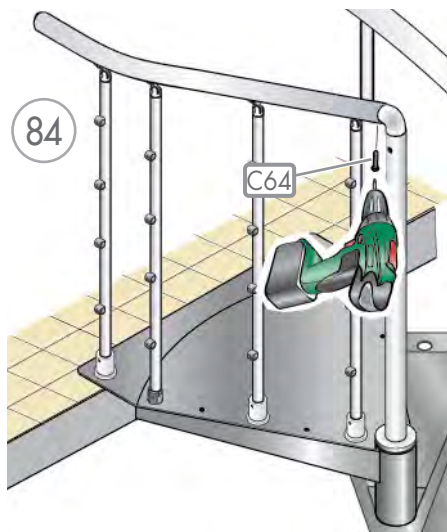
83

Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")



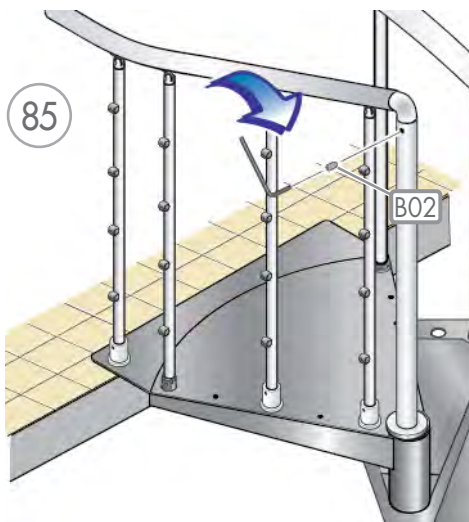
84

C64

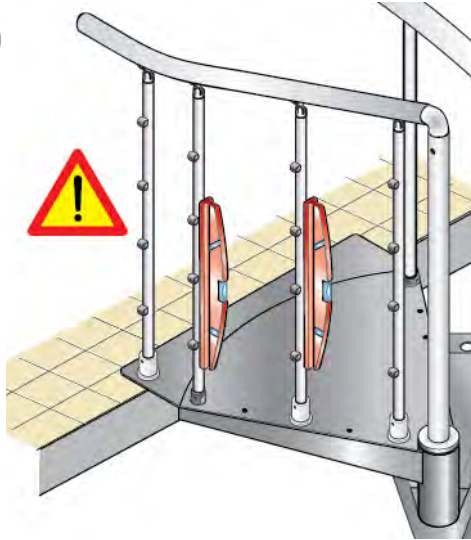


85

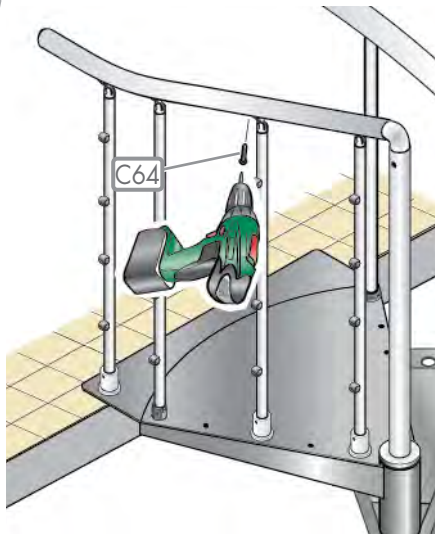
B02

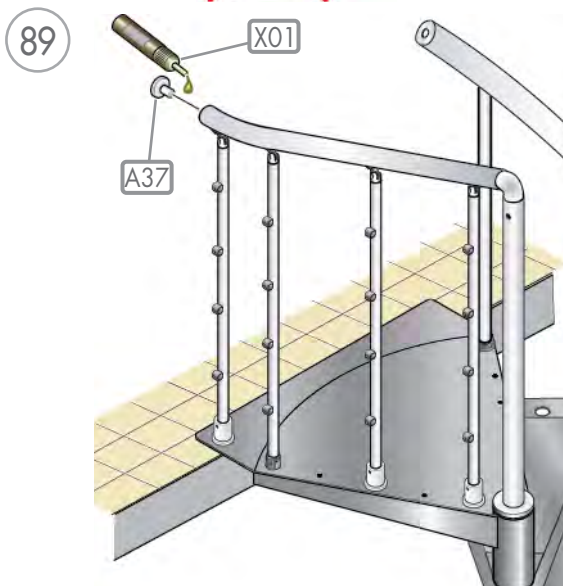
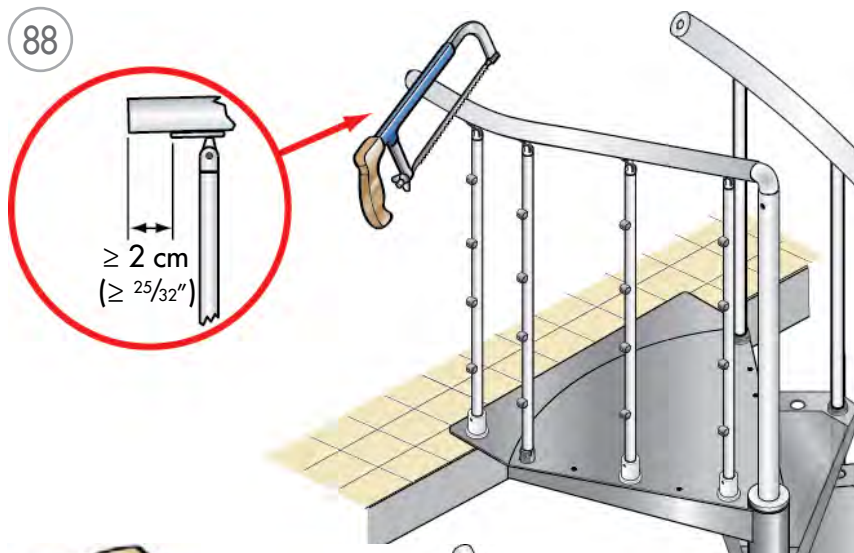


86



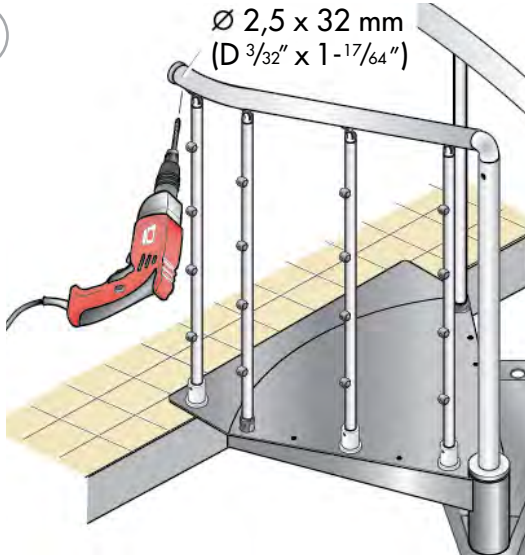
87





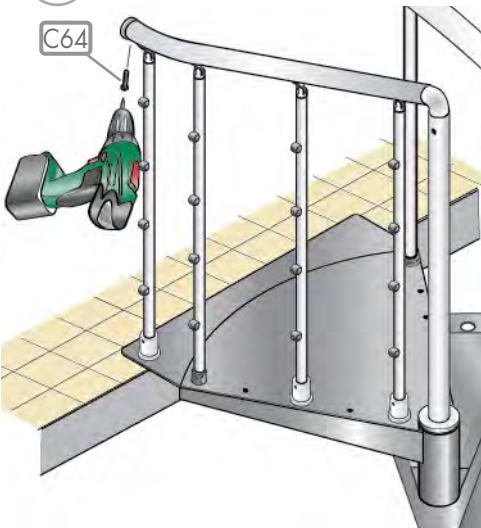
90

Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")



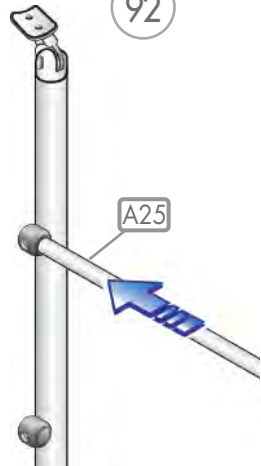
91

C64

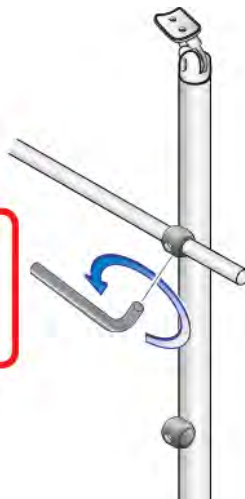
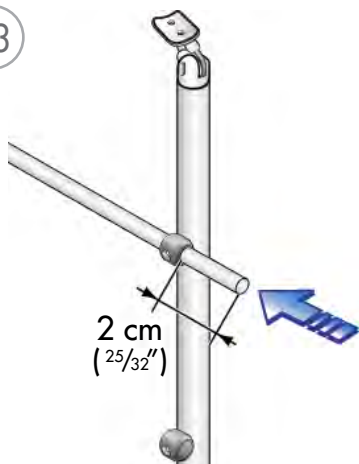


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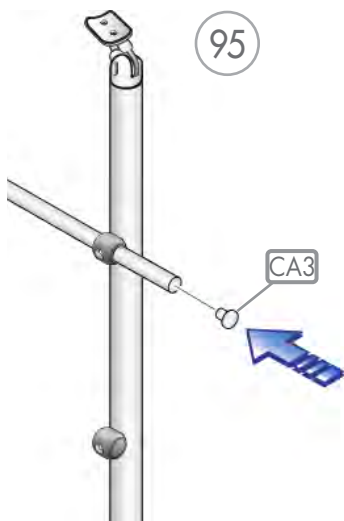
A25



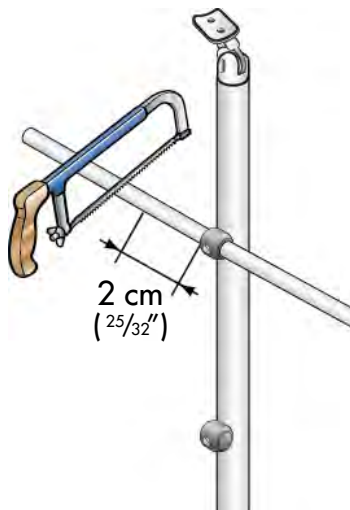
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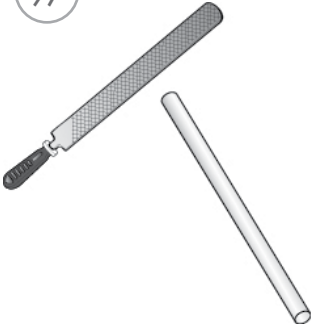
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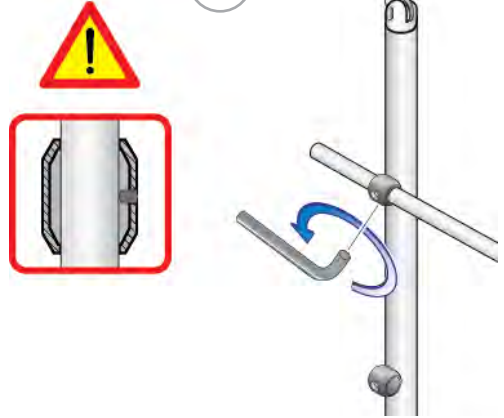
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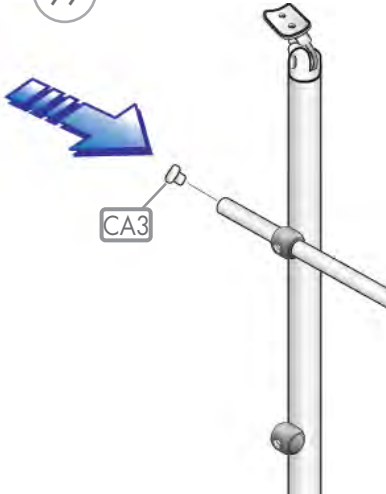
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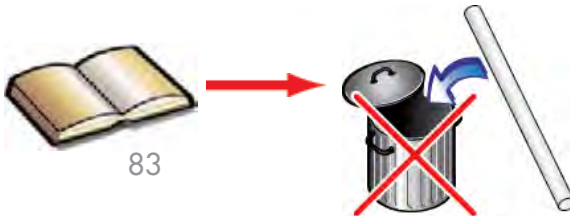
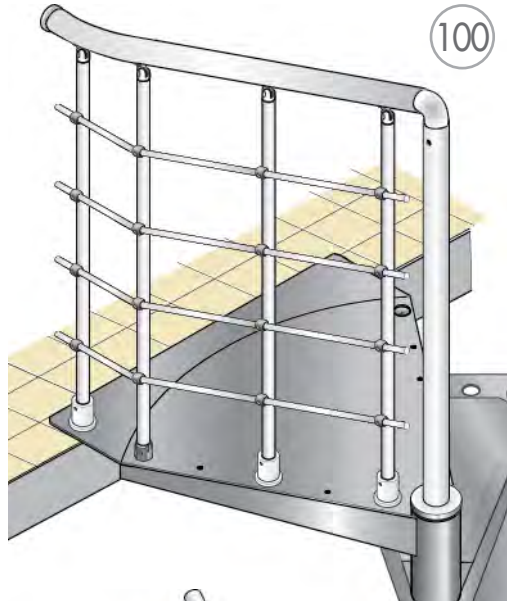
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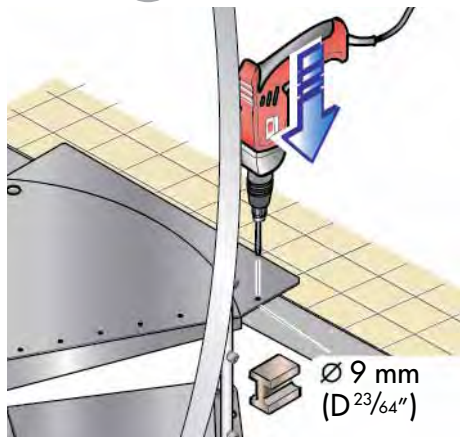
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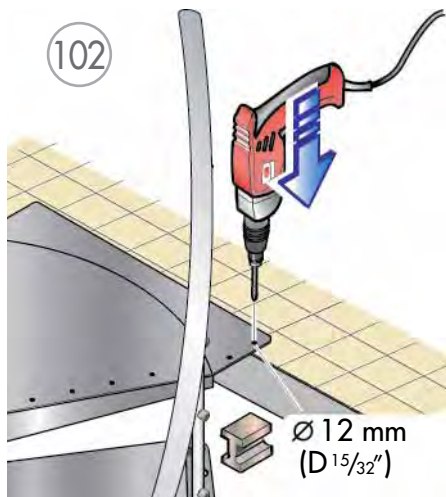
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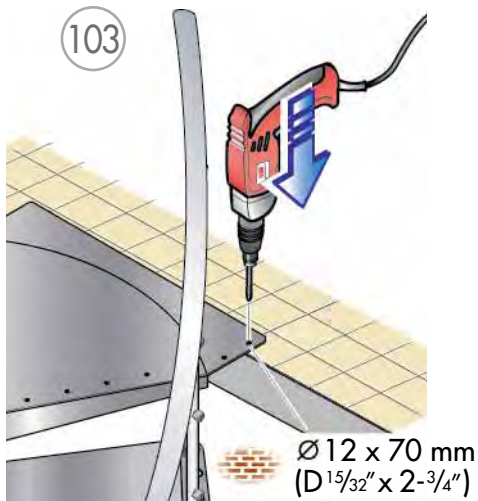
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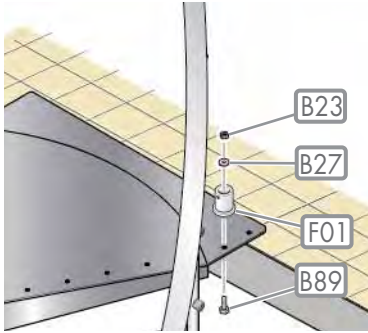
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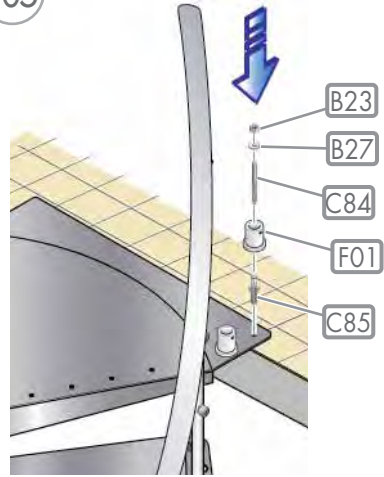
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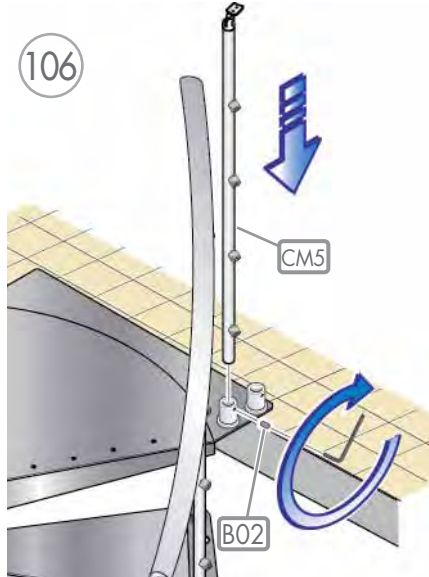
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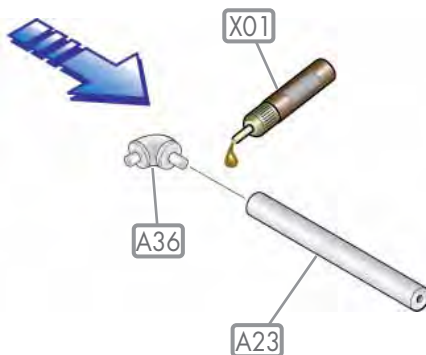
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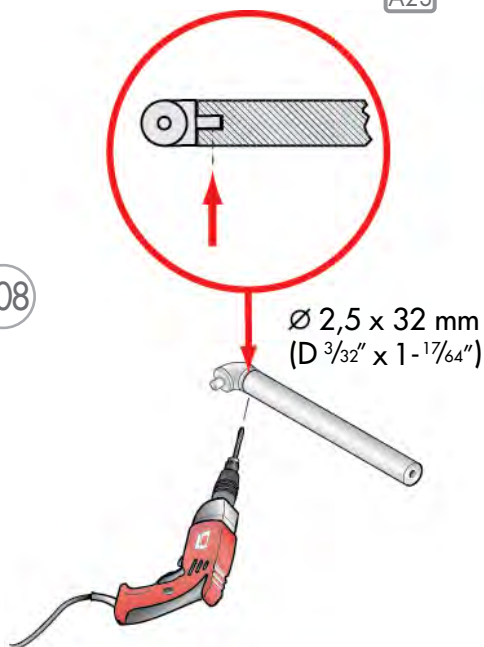
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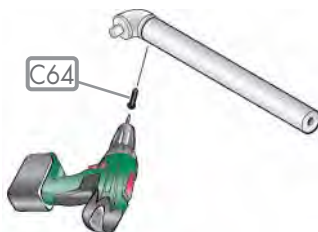
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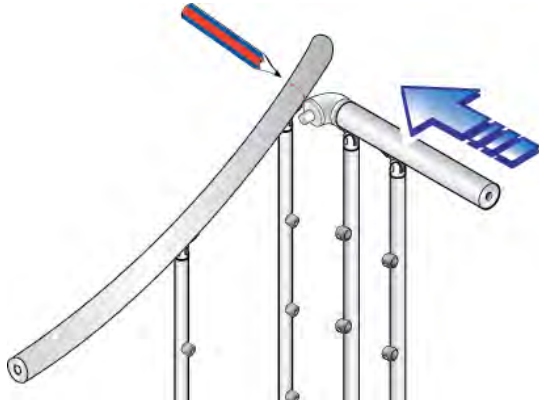
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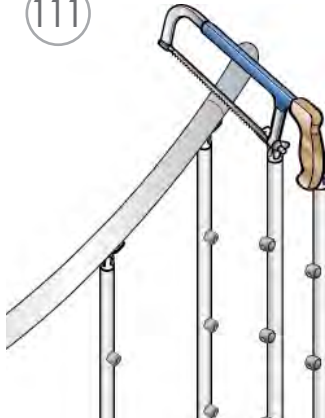
109



110

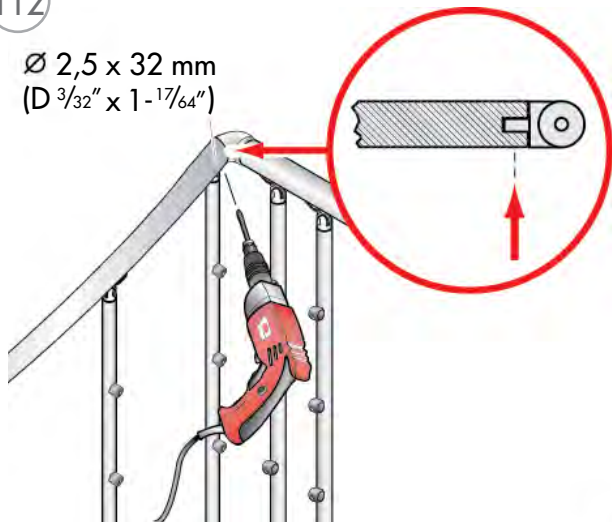


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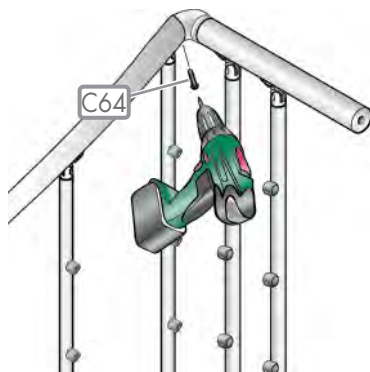


112

Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")

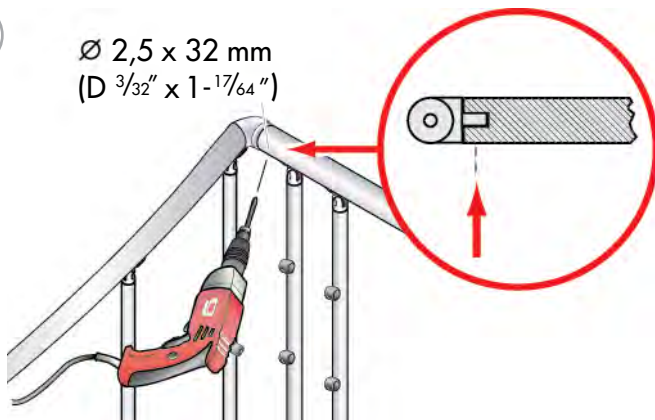


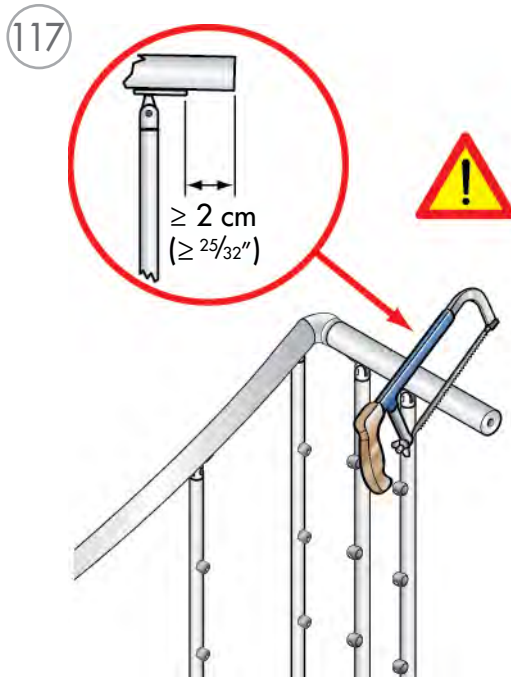
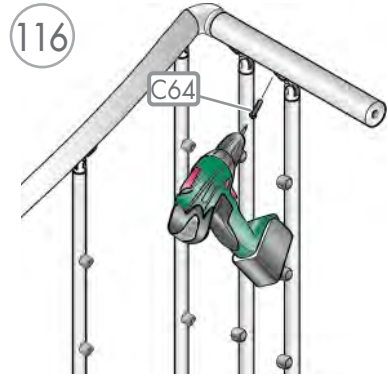
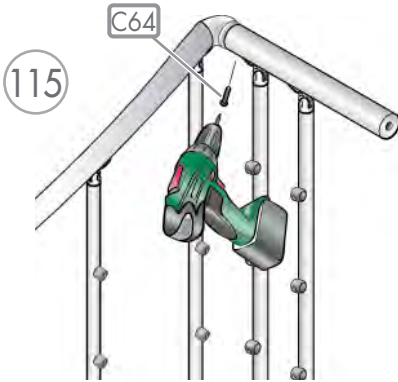
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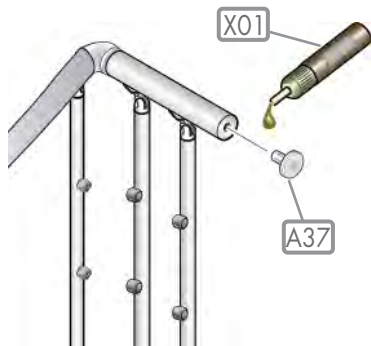
114

Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")

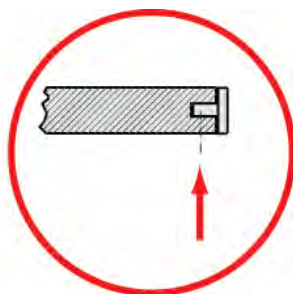




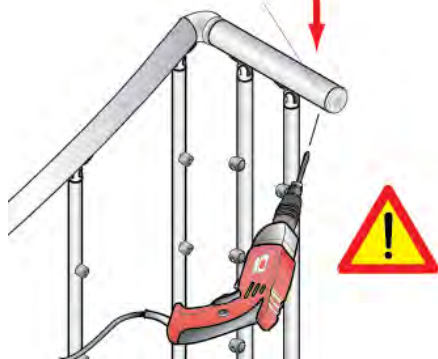
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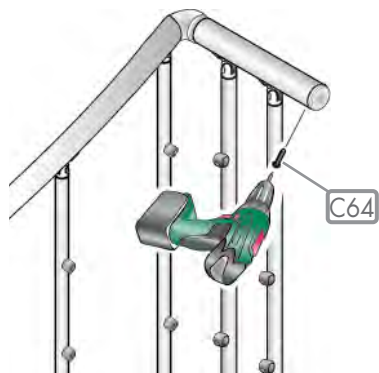
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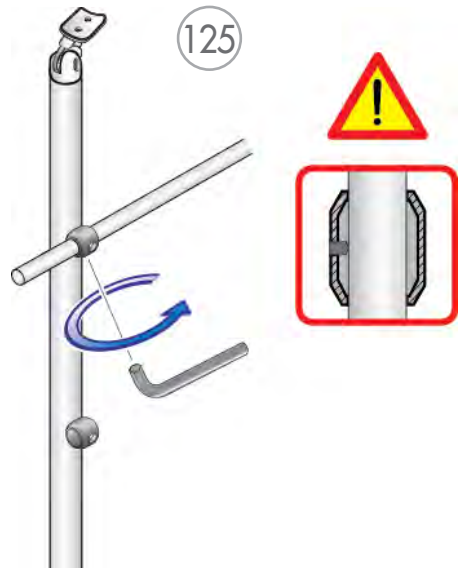
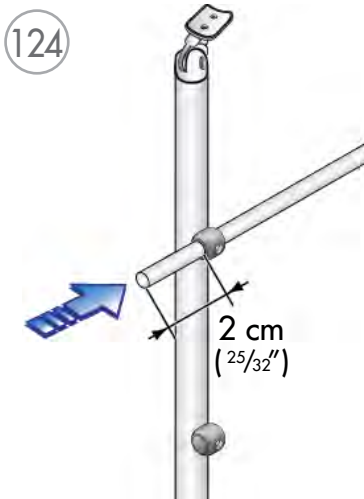
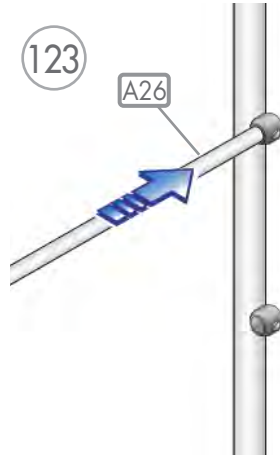
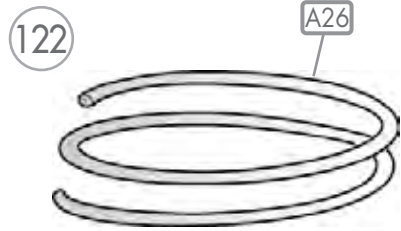
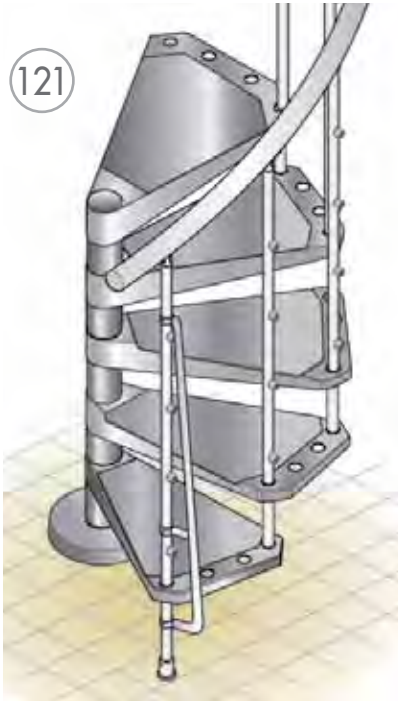


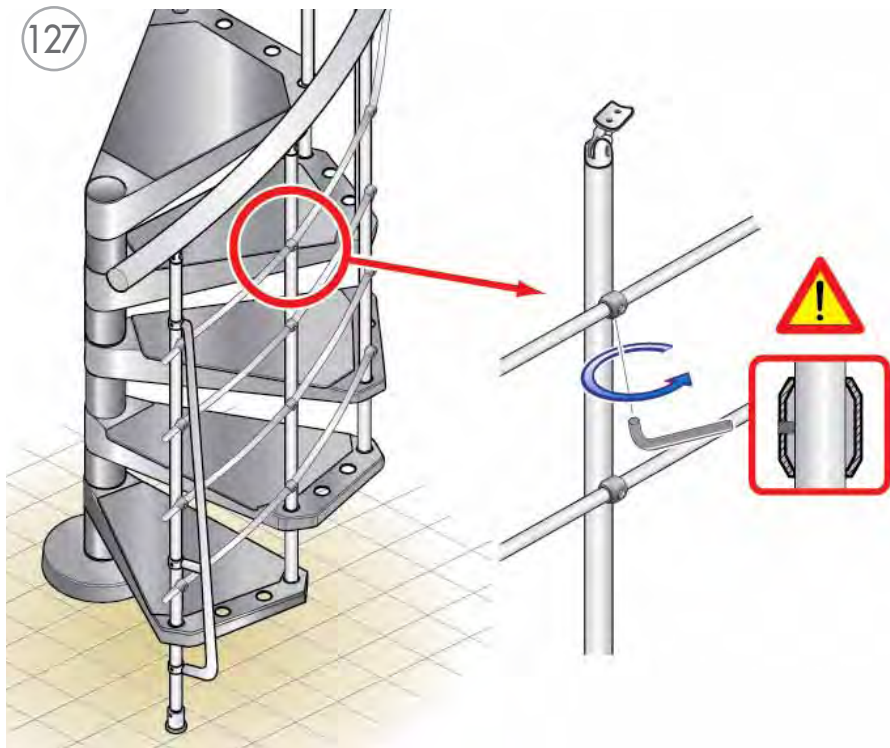
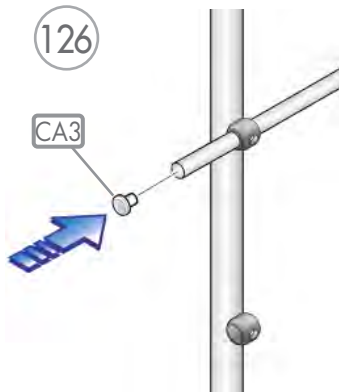
Ø 2,5 x 32 mm
(D 3/32" x 1-17/64")



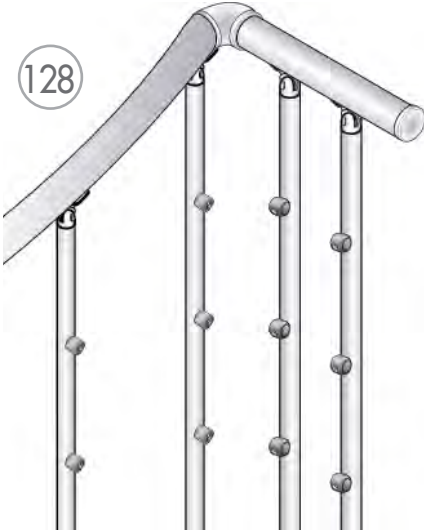
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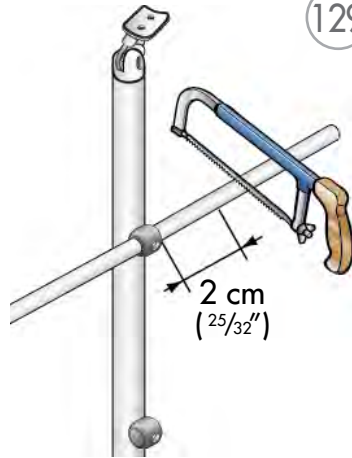




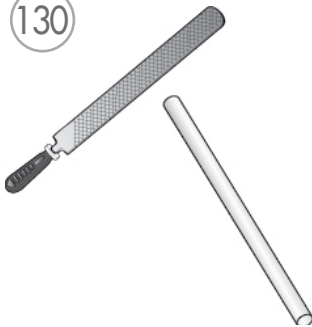
128



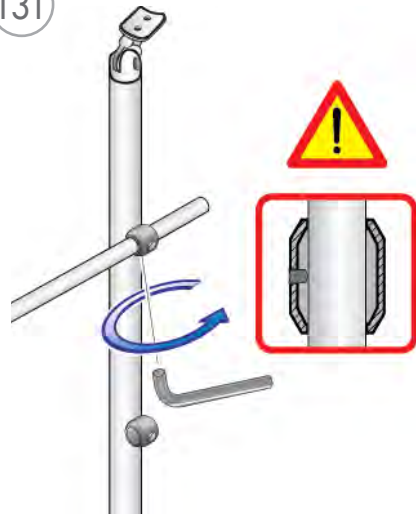
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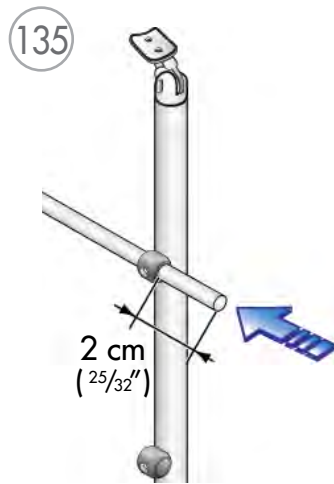
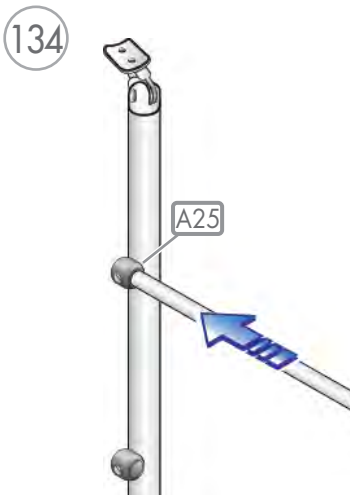
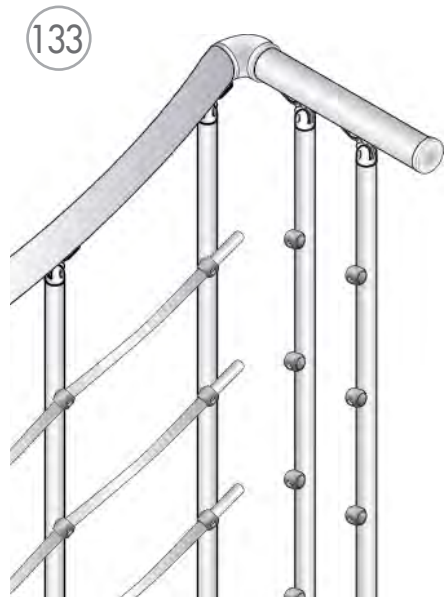
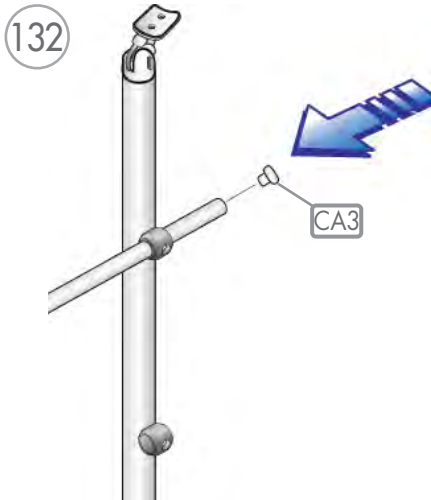


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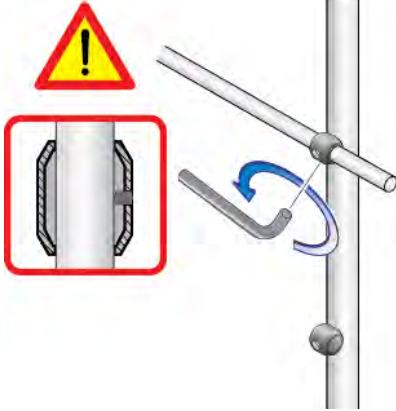


131

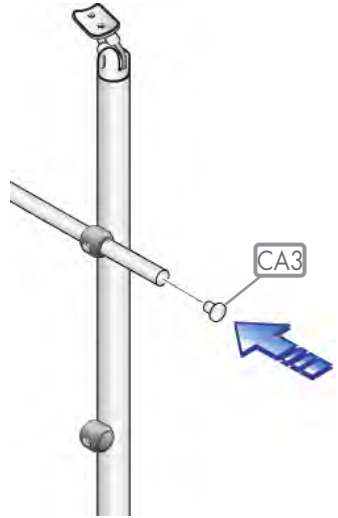




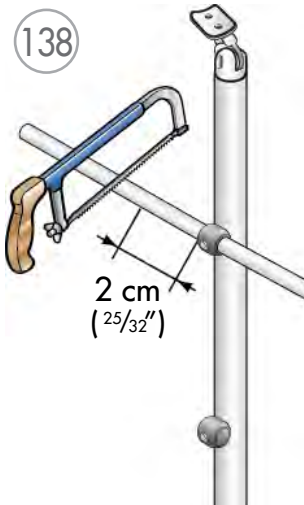
136



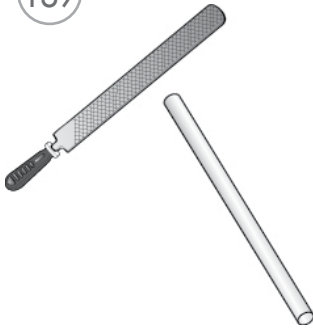
137



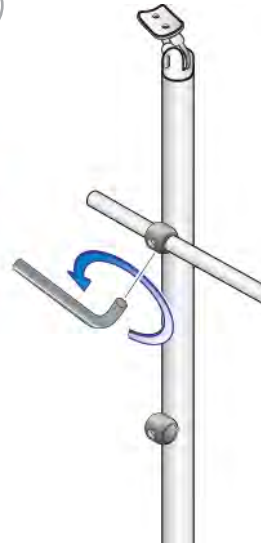
138



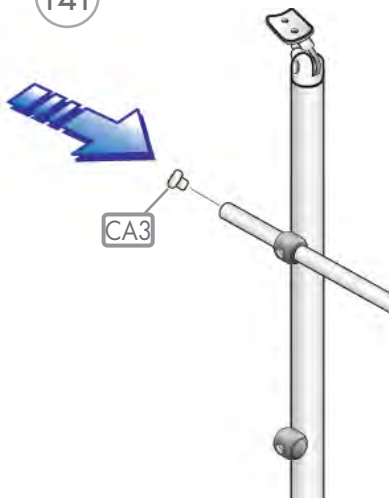
139



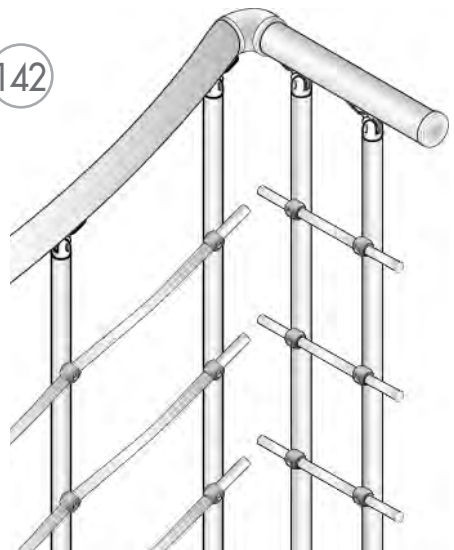
140



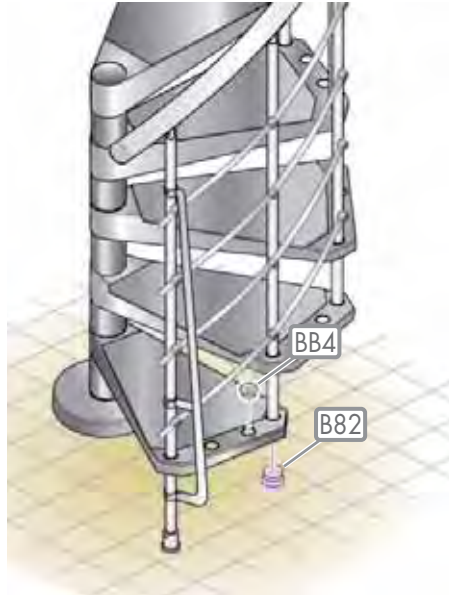
141



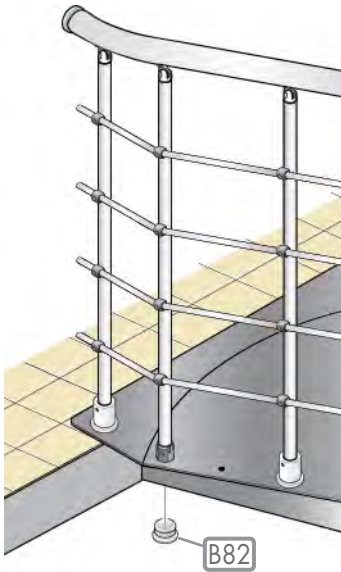
142



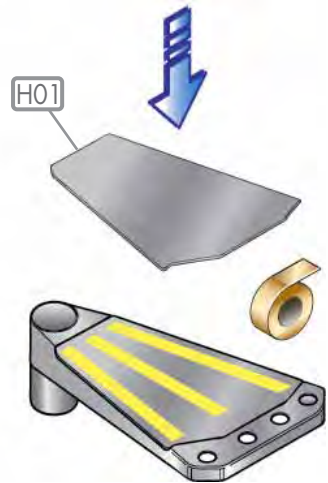
143

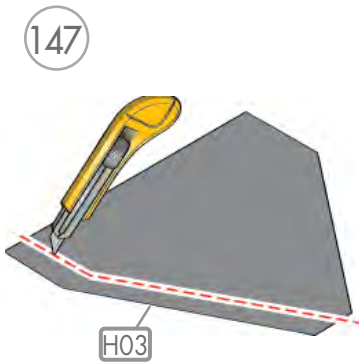
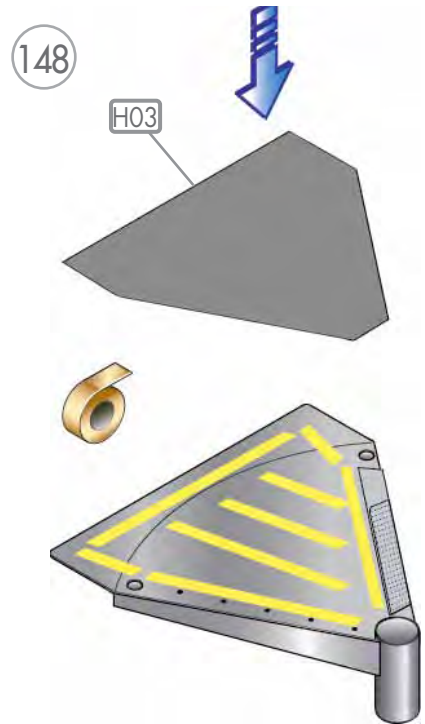
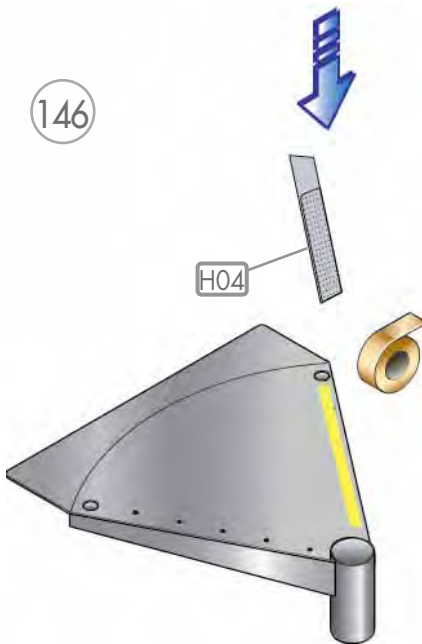


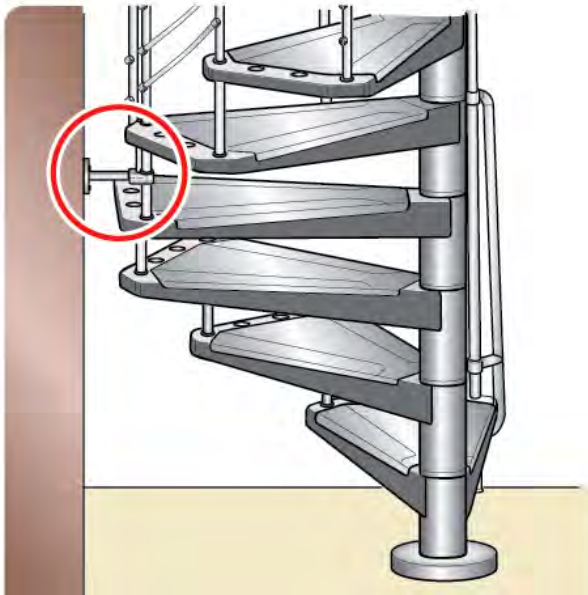
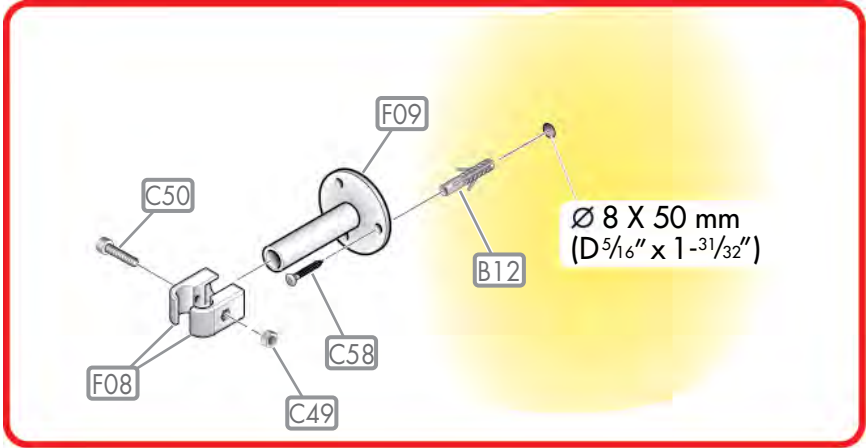
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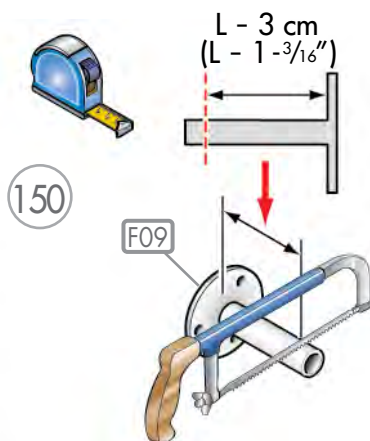
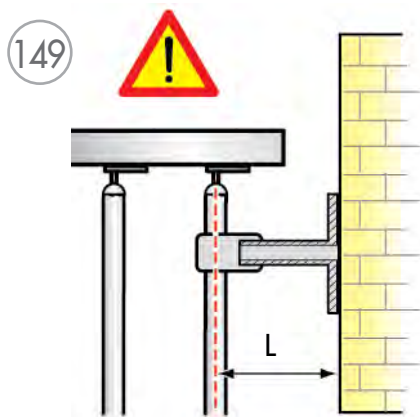
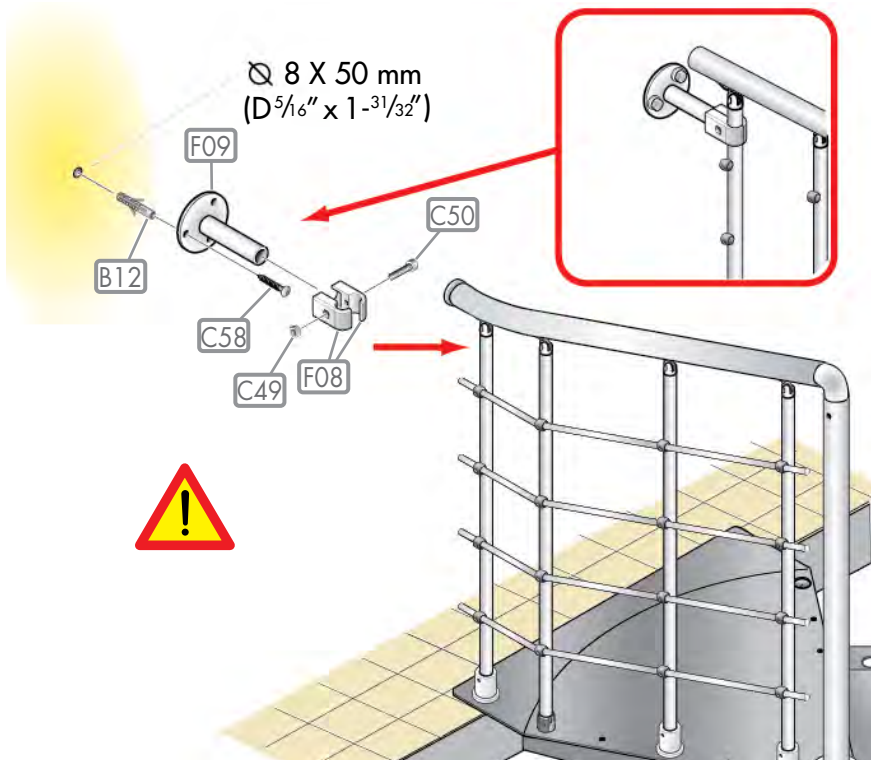


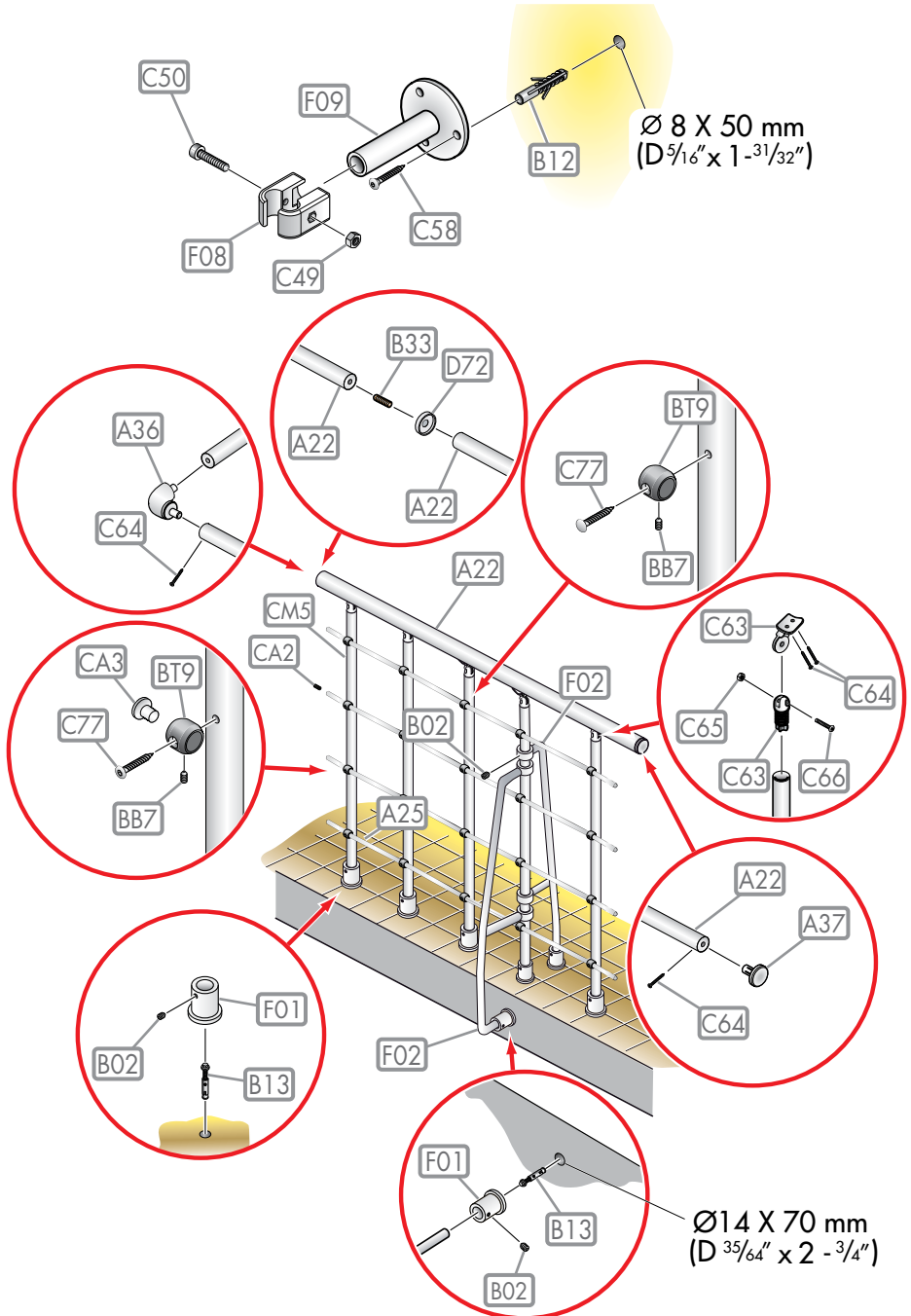
145

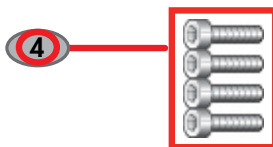


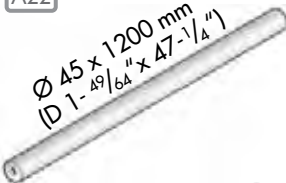
























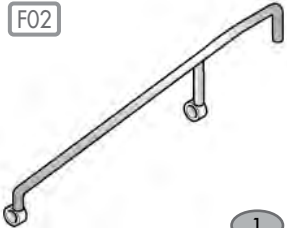








| | | |
|--|--|---|
| <p>A22</p> <p>Ø 45 x 1200 mm (D 1-49/64" x 47-1/4")</p>  <p>1</p> | <p>A25</p>  <p>4</p> | <p>A36</p>  <p>1</p> |
| <p>A37</p>  <p>2</p> | <p>B02</p>  <p>6 x 6 mm (15/64" x 15/64")</p> <p>8</p> | <p>B12</p>  <p>Ø8 mm (D 5/16")</p> <p>3</p> |
| <p>B13</p>  <p>M8 mm (M 5/16")</p> <p>6</p> | <p>B33</p>  <p>M14 x 43 mm (M 35/64" x 1-11/16")</p> <p>1</p> | <p>BB7</p>  <p>20</p> |

| | | |
|---|--|--|
| <p>BT9</p>  <p>20</p> | <p>C49</p>  <p>M6 mm (M^{15/64}")</p> <p>1</p> | <p>C50</p>  <p>M6 x 25 mm (M^{15/64}" x ^{63/64}")</p> <p>1</p> |
| <p>C58</p>  <p>M6 x 40 mm (M^{15/64}" x 1-^{37/64}")</p> <p>3</p> | <p>C63</p>  <p>5</p> | <p>C64</p>  <p>M3,5 x 38 mm (M^{9/64}" x 1-^{1/2}")</p> <p>12</p> |
| <p>C65</p>  <p>M4 mm (M^{5/32}")</p> <p>5</p> | <p>C66</p>  <p>M4 x 14 mm (M^{5/32}" x ^{35/64}")</p> <p>5</p> | <p>C77</p>  <p>20</p> |
| <p>CA2</p>  <p>4</p> | <p>CA3</p>  <p>8</p> | <p>CM5</p>  <p>∅ 20 x 935 mm (^{25/32}" x 36 - ^{13/16}")</p> <p>5</p> |
| <p>D72</p>  <p>1</p> | <p>F01</p>  <p>6</p> | <p>F02</p>  <p>1</p> |

F08



2

F09

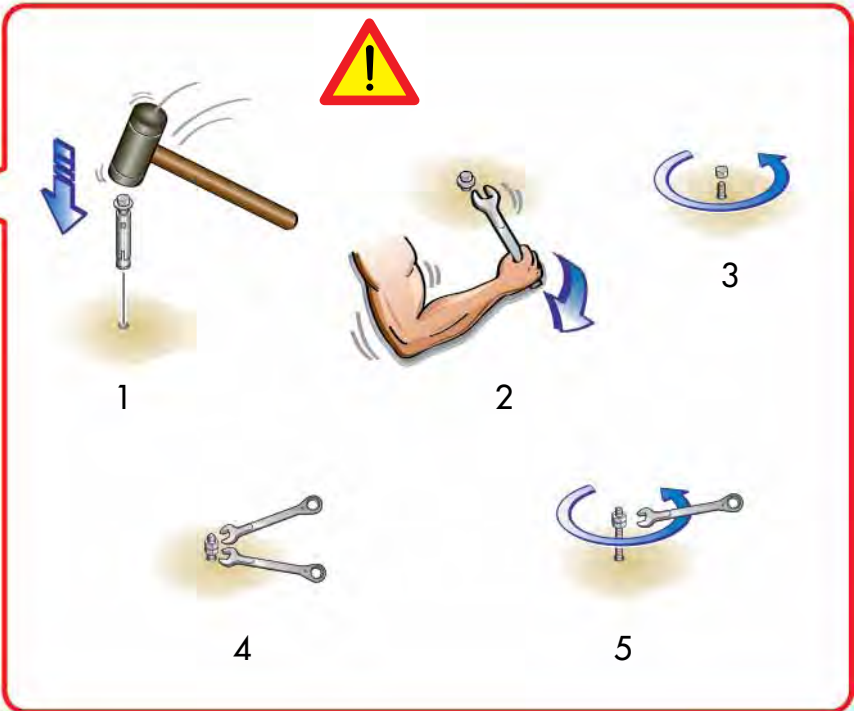
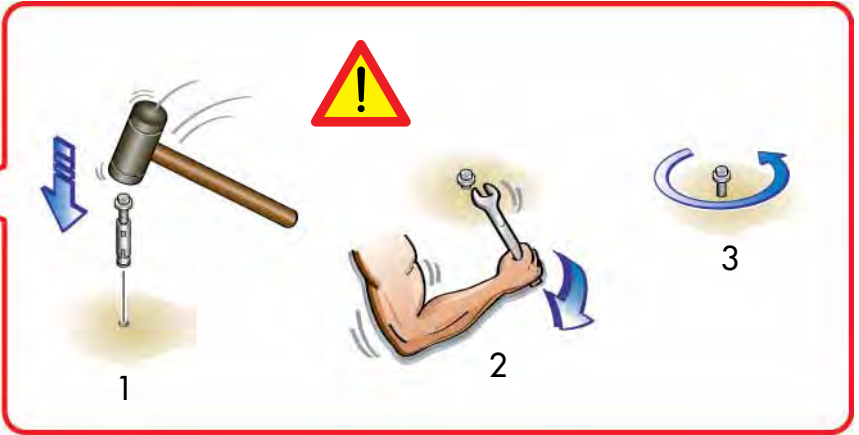


1

X01



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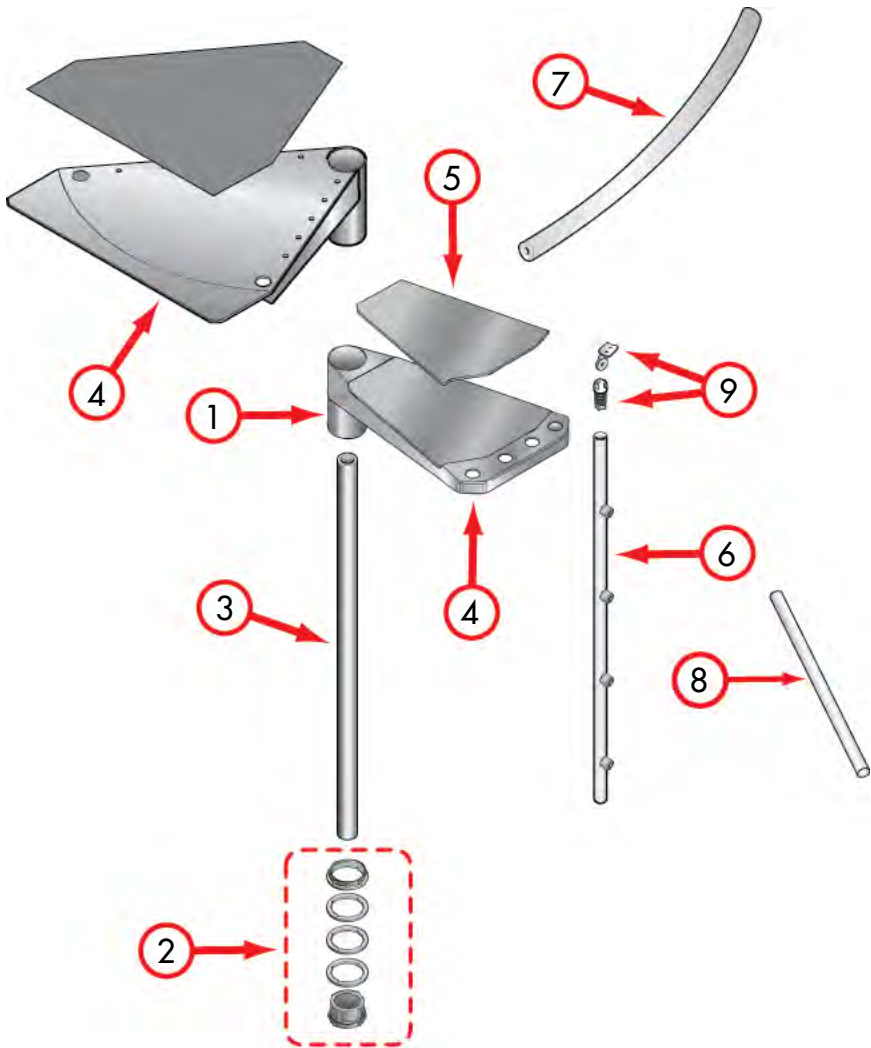




Italiano
Français
English
Español

DATI IDENTIFICATIVI DEL PRODOTTO
DONNÉES D'IDENTIFICATION DU PRODUIT
PRODUCT DETAILS
DATOS DE IDENTIFICACIÓN





(IT)

dati identificativi del prodotto

denominazione commerciale: **MASSALIA 050 PVC**

tipologia: scala a chiocciola a pianta tonda

materiali impiegati

STRUTTURA

descrizione

composta da distanziali (1) in metallo (saldati al gradino) e spessori (2) in plastica impilati e compressi sul palo (3) centrale modulare

materiali

distanziali: Fe 370

spessori: materiale plastico nylon

palo: Fe 370 zincato

finitura

distanziali: verniciatura a forno con polveri epossidiche

GRADINI

descrizione

gradini (4) in metallo circolari impilati sul palo (3) centrale corredati da un pannello (5) antiscivolo ed antiusura

materiali

gradini: lamiera Fe 370 spessore 25/10

pannello antiscivolo: polipropilene

finitura

gradini: verniciatura a forno con polveri epossidiche

RINGHIERA

descrizione

composta da colonnine (6) verticali in metallo fissate ai gradini (4) e da un corrimano (7) di PVC e tubi (8) in PVC

materiali

colonnine: Fe 370

corrimano: PVC con anima in alluminio

tubi (8): PVC

fissaggi (9): nylon

finitura

colonnine: verniciatura a forno con polveri epossidiche

PULIZIA E MANUTENZIONE OBBLIGATORIA

Eseguire la pulizia della scala alla prima comparsa di macchie di sporco e depositi di polvere e periodicamente almeno ogni 6 mesi con panno morbido inumidito in acqua e detersivi specifici non abrasivi ed aggressivi. **NON** usare mai pagliette abrasive o in ferro. Pulire ed asciugare accuratamente dopo il lavaggio con un panno in microfibra al fine di eliminare gli aloni del calcare presente nell'acqua. Dopo circa 12 mesi dalla data di installazione, controllare il serraggio della viteria dei vari componenti. Al verificarsi di qualsiasi minimo malfunzionamento è obbligatorio effettuare una manutenzione straordinaria, da eseguire subito e a regola d'arte.

PRECAUZIONI D'USO

Evitare usi impropri e non consoli al prodotto. Eventuali manomissioni o installazioni non rispondenti alle istruzioni del produttore possono inficiare le conformità prestabilite del prodotto.

(FR)

données d'identification du produit

denomination commerciale: **MASSALIA 050 PVC**

typologie: escalier en colimaçon à plan rond

matériaux utilisés

STRUCTURE

description

composée de entretoises (1) en métal (soudées à la marche) et cales (2) en plastique empilées et comprimées sur le pylône (3) modulaire central

matériaux

entretoises: Fe 370

cales: nylon

pylône: Fe 370 galvanisé

finition

cales: vernissage à chaud avec poudres époxy

MARCHES

description

marches (4) en métal circulaires ou en éventail empilées sur le pylône (3) central équipées d'un panneau (5) antidérapant et antiusure

matériaux

marches: tôle Fe 370 épaisseur 25/10

panneau antidérapant: polypropylène

finition

marches: vernissage à chaud avec poudres époxy

GARDE-CORPS

description

composé de colonnettes (6) verticales en métal fixées aux marches (4), d'une main courante (7) et de tubes (8) en PVC

matériaux

colonnettes: Fe 370

main courante: PVC avec noyau en aluminium

tubes (8): PVC

fixations (9): nylon

finition

colonnettes: vernissage à chaud avec poudres époxy

NETTOYAGE ET MAINTENANCE OBLIGATOIRE

Nettoyer les marches dès que des taches de saleté ou des dépôts de poussière apparaissent ; effectuer également un nettoyage périodique, tous les 6 mois, à l'aide d'un chiffon doux, humidifié d'eau et de détergents spécifiques que non abrasifs et non agressifs. **NE JAMAIS** utiliser de la paille de fer abrasive. Après lavage, nettoyer et essuyer soigneusement avec un chiffon en microfibre, afin d'éliminer les auréoles provoquées par le calcaire contenu dans l'eau. Environ 12 mois après la date d'installation, contrôler le serrage des vis des différents composants. À la moindre défaillance, il est obligatoire d'effectuer immédiatement une maintenance corrective, dans les règles de l'art.

PRECAUTION D'UTILISATION

Eviter l'utilisation improprie et non conforme au produit. D'éventuelles alterations ou installations non correspondantes aux instructions du producteur peuvent invalider les conformités préétablies du produit.

EN)

product details

trade name: **MASSALIA 050 PVC**

type: spiral round staircase

used materials

STRUCTURE

description

composed of metal spacers (1) (welded to the tread) and of plastic spacers (2) stacked and packed on the central modular pole (3)

materials

spacers: Fe 370

plastic spacers: nylon

pole: Fe 370 galvanized

finishing

spacers: oven varnishing with epoxy powders

TREADS

description

metal circular treads (4) stacked on the central pole (3) equipped by an antiskid and antiwear panel (5)

materials

treads: plate Fe 370, thickness 25/10

antiskid panel: polypropylene

finishing

treads: oven varnishing with epoxy powders

RAILING

description

composed of vertical metal balusters (6) fixed to the treads (4), of a PVC handrail (7) and PVC tubes (8)

materials

balusters: Fe 370

handrail: PVC with aluminium core

tubes (8): PVC

fixings (9): nylon

finishing

balusters: oven varnishing with epoxy powders

OBLIGATORY CLEANING AND MAINTENANCE

Clean the treads as soon as dirt spots and dust deposits appear and at least every 6 months using a soft cloth moistened with water and specific non-abrasive and non-aggressive detergents. NEVER use abrasive scourers. After cleaning, thoroughly dry the surfaces with a microfibre cloth to remove the haloes that form because of the limestone in the water. Approximately 12 months from the date of installation, check tightness of the screws of the various components. Should even the smallest malfunction occur, it is obligatory to immediately and professionally carry out extraordinary maintenance.

USE PRECAUTION

Avoid any improper use that is not in accordance with the product. Possible violations or installations which don't comply with the providers instructions can invalidate the agreed product conformities.

ES)

datos de identificación del producto

denominación comercial: **MASSALIA 050 PVC**

tipo: escalera de caracol de planta redonda

materiales empleados

ESTRUCTURA

descripción

compuesta por distanciadores (1) de metal (soldados al escalón) y espaciadores (2) de plástico enfilados y comprimidos en la columna (3) central modular

materiales

distanciadores: Fe 370

espaciadores: nylon

columna central: Fe 370 galvanizado

acabado

distanciadores: barnizado en horno con polvos epoxídicos

PELDAÑOS

descripción

peldaños (4) de metal circulares enfilados en la columna (3) central y dotados de un panel (5) antideslizante y antidesgaste

materiales

peldaños: chapa Fe 370, grosor 25/10

panel antideslizante: polipropileno

acabado

peldaños: barnizado en horno con polvos epoxídicos

BARANDILLA

descripción

compuesta por barrotes (6) verticales de metal fijados a los peldaños (4), por un pasamanos (7) y por tubos (8), ambos de PVC

materiales

barrotes: Fe 370

pasamanos: PVC con alma de aluminio

tubos (8): PVC

fijaciones (9): nylon

acabado

barrotes: barnizado en horno con polvos epoxídicos

LIMPIEZA Y MANTENIMIENTO OBLIGATORIO

Realizar la limpieza de la escalera en cuanto aparezcan manchas de suciedad y depósitos de polvo, y periódicamente al menos cada 6 meses, con un paño suave humedecido en agua y detergentes específicos no abrasivos ni agresivos. NO utilizar nunca lanas abrasivas o de hierro. Limpiar y secar bien después del lavado utilizando un paño de microfibra para eliminar las aureolas de cal dejadas por el agua. Transcurridos unos 12 meses desde la fecha de instalación, comprobar que los tornillos que fijan las distintas partes sigan bien apretados. Ante el menor defecto de funcionamiento, es obligatorio realizar un mantenimiento extraordinario según las reglas del arte.

PRECAUCIONES DE USO

Evitar usos impropios y no conformes con el producto. Eventuales manipulaciones o instalaciones que no cumplan con las instrucciones del fabricante pueden menoscabar las cualidades certificadas en las pruebas de conformidad a las que previamente fue sometido el producto.



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