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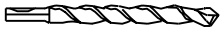
by ALBINI & FONTANOT

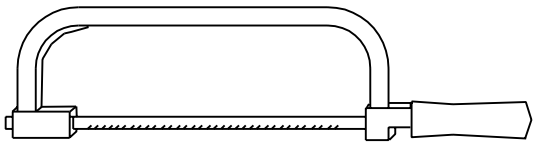
English ASSEMBLY INSTRUCTIONS

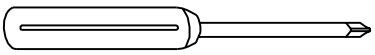
CIVIK ZINK

Ø 8x300 12x120 14x150 mm

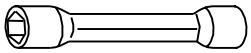


Ø 2.5 3.5 4.5 9 mm

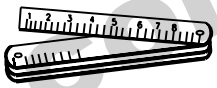


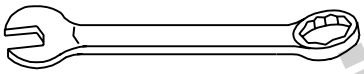


PH 2

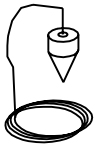


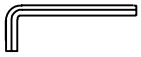
12/13 mm



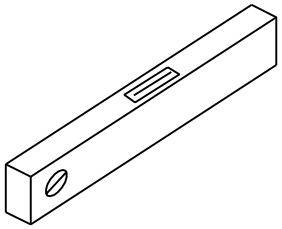


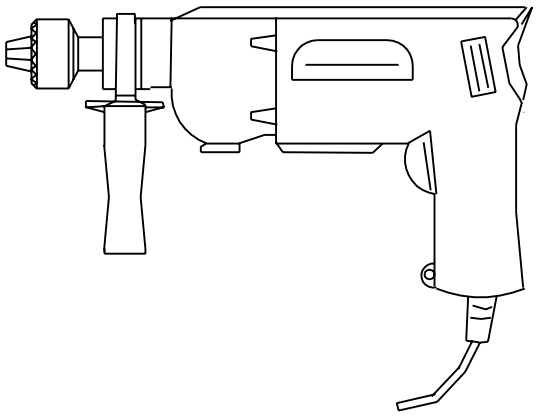
13 17 19 30 mm

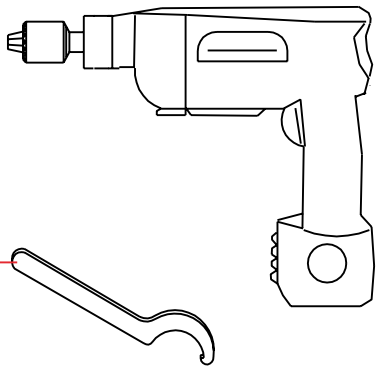




2.5 3 5 12 mm







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English

Before starting the assembly process, unpack all components of the staircase. Lay them out on a large surface and check the quantity of all the pieces, by consulting the table TAB.1 (A = Code, B = Quantity). Inside the staircase box you will also find a DVD which we suggest watching before proceeding to assemble. For the USA only: call the customer support line at 1-888 STAIRKT, should you have any case of need.

Preliminary Assembly

1. Assemble the cylinders D32 into the treads (L02) by using the elements D33. Tighten by means of the article C36. Insert the elements C13 and C31 into the cylinders D32.(fig. 2)
2. Carefully measure the floor-to-floor height and determine the required number of spacers (D03) (TAB.2).
3. Assemble the spacers (D14, D03, D02) together in one piece. Do the same for the spacers (D04, D03, D02).
4. Assemble the base G03, B17 and B46 (fig. 1).

Assembly

5. Determine and mark on the floor the fixing point of the base (G03+B17+B46) by laying the laning (E03) on the ceiling (fig. 3).
6. Place the base (G03+B17+B46) and drill with drill bit Ø 14 (fig. 3).
7. Fix the base (G03+B17+B46) onto the floor with the parts B13.
8. Screw the pole (G02) into the base (G03+B17+B46) (fig. 1).
9. Insert the base cover (D05) (fig. 4).
10. Insert the spacers (D14+D03+D02) (fig. 4).
11. Insert the first tread (L02) into the pole (G02). Then continue with the assembly, by adding alternatively one spacer (D04+D03+D02) and one tread (L02). At this stage, the treads have to be positioned alternately one to the right and one to the left, so as to distribute the weight in a balanced way (fig. 4).
12. When you reach the end of the pole (G02), screw the part B47 on it, then add the second pole (G02) and continue with the stair assembly (fig. 4)
13. When you reach the end of the pole (G02), screw on it the part B46 and the part G01 (screw the part G01, till its upper end sticks out approximately 15cm (6'') from the stair height. Continue adding the treads, by using the part D01 inserted into the spacers (D04+D03+D02) (fig.5).
14. Finally add the stair landing (E03). Fasten the parts B05, B04 and screw the part B03 sufficiently, keeping in mind that the treads still have to rotate (fig. 1).

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Fitting of the Landing

15. Drill with drill bit Ø 14 in relation to the holes.
16. Block the part B13 completely (fig. 1).

Assembly of the Railing

17. Spread-out the treads (L02) fan-like, after having chosen the rotation direction (fig. 6). It is now possible to use the stair.
18. Starting from the landing (E03), insert the first long railing baluster (C07): 1) measure the rise between the tread (L02) and the landing (E03) and add 2,5cm (1"), 2) cut the final part of the long baluster (C07), 3) pierce with the drill bit 9 the landing (E03), 4) assemble the parts F01 using the parts B44,B07 and B23, 5) insert the just cut baluster part between the lower part F01 and the tread (L02), 6) tighten the parts C31 of the tread and of the landing, 7) insert and fasten with the part C31 the resting part of the baluster (C07) into the upper part F01 (fig. 1).Turn the balusters (C07) maintaining the holes looking to the stair centre.
19. Insert the longer balusters (C07), which connect the treads (L02), one by one. Tighten only the part C31 of the lower tread (fig. 2).
20. Check the vertical position of all the assembled balusters (C07). This control is very important for best results.
21. Tighten securely the part B03 (fig. 6).
22. Tighten securely the part C31 of the upper tread (fig. 2).
23. Check once more the vertical position of the railing balusters (C07) and, if necessary, correct it, by repeating the previous operations.
25. Fix into the floor in relation to the first baluster (C07), the part F01, by piercing with the drill bit 8. Use the parts B11, B12, C29 and C31 (fig. 1).

25. Cut one long baluster (C07) to obtain the same size as all others you assembled previously (fig. 1).Set the first baluster (C07) together with the reinforcing part (C30).
26. Warm the handrail (A02) until it becomes malleable: 1) put the handrail onto the cover of the wooden box, 2) warm for about five minutes making circular movements continuously without holding on, 3) turn it on its other part and repeat that operation.
27. Set the handrail (A02) onto the balusters (C07) starting from the top before it becomes cold (fig. 6).
28. Drill the handrail (A02) in relation to the present holes and fasten with the parts B54 and B55.
29. Insert quickly all the other balusters, paying attention to their vertical position, into the treads (L02), tighten the part C31 and fasten to the handrail (A02) using the parts B54 and B55 (for the stairs with a diameter larger than 140cm (4' 7 1/8"), it is advisable to assemble first the shorter balusters).
30. Cut the excess piece of the handrail (A02) in relation to the first railing baluster (C07).
31. Complete the handrail (A02) by assembling the parts A03. Use the glue (X01) (fig. 1).
32. Tighten the parts C31, D32 and D33 completely.
33. Complete the railing assembly inserting the parts B82 into the lower part of the balusters (C07) (fig. 1).

Assembly of the Balustrade

34. Screw the baluster (C04) into the part G01 that sticks out from the landing (E03) (fig. 1).
35. Fix the part B01 into the baluster (C04), by using the part C31 and some silicone (fig. 1).
36. Assemble the parts F01, using the parts B89, B27, B23 into the holes of the landing (E03), maintaining a similar distance as between the balusters (C07) of the railing, which had been assembled previously. (fig. 1).
37. Place the shorter balusters (C07) in part F01, applying some silicone in order to seal the space between the two elements and to tighten part C31.
38. Fix the handrail (A02), using the parts B54 and B55 (fig. 1).
39. In case that there are walls around the stair well and on their position, it could be necessary to position one or two more balusters.
40. In that case it is necessary to consider either the distance between all other balusters, or otherwise the distance from the wall. For the fixing it is suggested to pierce with a drill bit Ø 9 the landing (E03) and to use the fixing parts F01, C31, B89, B27, B23 (fig. 10).

Final Assembly

41. In order to re-inforce the staircase at the intermediate points, you must fix into the wall the parts F09 and connect them to the balusters (C07) by means of the parts F08. Pierce the wall with a drill bit 8 and use the parts B36, B37, B11, B12 (fig. 11).
42. Clean the surface of all the treads from eventual drosses of metal shavings which fell down during the drilling of the landing E03 (points 18 and 39) to avoid that there will be an evolvement of rust on the upper surface of the galvanization.

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Characteristics of staircases for outdoors

Arkè products are made of excellent quality and treated with the best technological process; the staircase model CIVIK ZINK, especially, has the following features:
stainless steel screws
• balusters made of pre-galvanized sheet with the addition of cold galvanizing on the welded joints.
• treads and landing are welded by a welding robot and they are hot-dip galvanized on 450°after degreasing and •
• passivation in full respect of normative standards UNI E 14.07.000.0 and certification ISO 9002.
It's a usual feature of the hot-galvanized products to present small areas in which the zinc is not perfectly sticked.
It's also possible to damage the galvanized surface during the assembly.
To guarantee a long life product, you will find a kit of liquid zinc in the box to lay on with a brush for possible retouches after the assembly.
We suggest to check the wholeness of your staircase at regular intervals, and to retouch possible damaged areas with similar products easily to be found on the market.
It's a usual feature of the hot-galvanized products that they become matt after some time, that's because of a normal oxidation process of the zinc in all weather conditions.

We would be grateful, if you could send us any possible suggestion by visiting our Internet Site:
www.arke.ws

TAB. 1

A		B	
	Ø 120	**Ø 140**	**Ø 160**
	3’ 11 1/4”	4’ 7 1/8”	5’ 3”
A02	1	1	1
A03	8	8	8
B01	1	1	1
B03	1	1	1
B04	1	1	1
B05	1	1	1
B11	7	7	10
B12	7	7	10
B13	6	6	6
B17	1	1	1
B23	8	9	10
B27	8	9	10
B36	2	2	3
B37	2	2	3
B44	1	1	1
B46	2	2	2
B47	1	1	1
B54	30	43	44
B55	30	43	44
B82	25	38	38
B89	7	8	9
C04	1	1	1
C07	32	45	46
C13	36	48	48
C29	1	1	1
C30	1	1	1
C31	50	63	64
C36	1	1	1
D01	4	4	4
D02	13	13	13
D03	65	65	65
D04	12	12	12
D05	1	1	1
D14	1	1	1
D32	36	48	48
D33	36	48	48
E03	1	1	1
F01	10	11	12
F08	2	2	3
F09	2	2	3
G01	1	1	1
G02	2	2	2
G03	1	1	1
L02	12	12	12
X02	1	1	1

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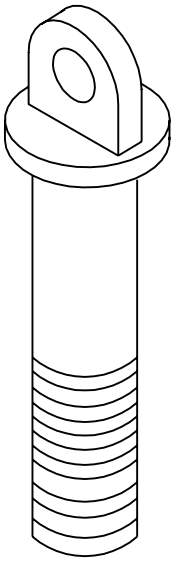
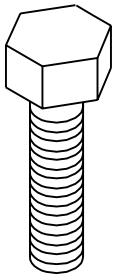


B01



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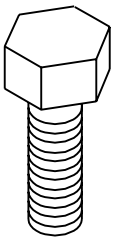
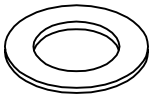
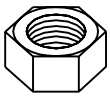


B89



B27



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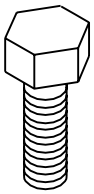
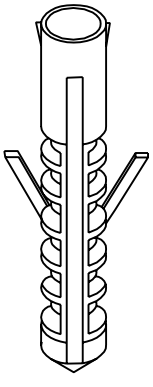


B55

B54



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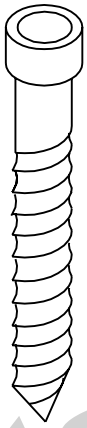
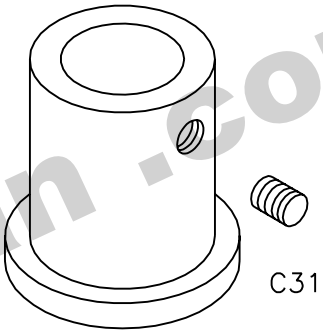


B11

C29



F01

C31

C13

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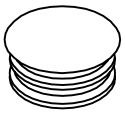

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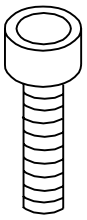
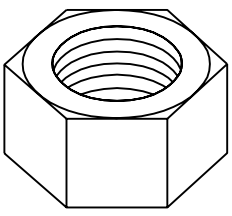


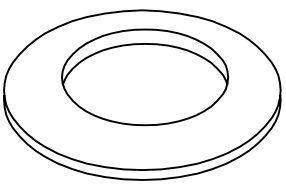
B36

B37

X02



B03



B04

TAB.2

Deutsch

Zur Bestimmung der Anzahl der Distanzringe (D03) die TAB. 2 benützen(H = Höhe, A = Stufenhöhen).
Beispiel: für eine abgemessene Fussboden zu Fussbodenhöhe von 298 cm (9’ 9 3/8”) und eine Treppe mit 13 Stufen, wird folgendes benötigt;

1. Bei der Höhenangabe von (298 cm (9’ 9 3/8”), in der Tabelle H), die Anzahl der nötigen Distanzringe ablesen (n° 50 Distanzringe, in der Tabelle A/13)
2. Die Distanzringe (D03) zwischen den Teilen D14-D04 und D02 in der Reihenfolge, einen nach dem andern, bis keiner mehr übrig bleibt, verteilen (in den einzigen Distanzring D14 können höchstens 3 Distanzringe (D03) gelegt werden; in die Distanzrringe D04 können höchstens 5 Distanzringe (D03) gelegt werden).
3. Das Endresultat ist: 3 Distanzringe (D03) zwischen D14 und D02, nochmals 3 Distanzringe (D03) in einen Distanzring nach Wahl zwischen D04 und D02 und 4 Distanzringe (D03) zwischen D04 und D02 zwischen den restlichen Distanzringen.

English

To determine the necessary number of spacers (D03), you must look-up the table TAB.2 (H = Height, A = Rises).
Example: given a floor-to-floor height of 298cm (9’ 9 3/8”) and a staircase with 13 treads, you must proceed as follows;

1. At height (298cm (9’ 9 3/8”) in the row H) look-up the number of necessary spacers (i.e. 50 spacers in the row A/13)
2. Distribute the spacers (D03), one at a time, among the combined parts D14-D04 and D02 all (for the single spacer D14 you can use at the most 3 spacers (D03); for the spacers (D04) you can use at the most 5 spacers (D03).
3. The final result is the following : 3 spacers (D03) between D14 and D02, 3 more spacers (D03) on a spacer chosen between D04 and D02 and 4 spacers (D03) between D04 and D02 of the remaining eleven spacers.

Español

Para determinar la cantidad necesaria de discos distanciadores (D03) utilizar la TABLA 2 (H =altura, A = tabicas)
Ejemplo: para una altura de pavimento a pavimento de 298 cm (9’9 3/8”) y una escalera con 13 peldaños es necesario;

1. En la línea de la altura (298 cm (9’ 9 3/8”), en la columna H), leer la cantidad de discos distanciadores necesarios (nº 50 discos, en la columna A/13).
2. Distribuir los discos distanciadores (D03), entre los elementos D14, D04 y D02 uno a la vez, hasta agotarlos (en el único distanciador D14 pueden introducir un máximo de 3 discos (D03); en los distanciadores D04 pueden introducirse un máximo de 5 discos (D03).
3. El resultado es de 3 discos (D03) entre D14 y D02, otros 3 discos (D03) en un distanciador cualquiera entre D04, D02 y 4 discos (D03) entre D04 y D02 en los once distenciadores que quedan.

Français

Afin de déterminer la quantité nécessaire des entretoises (D03) en employant le TAB. 2 (H = hauteur, A = hauteurs).
Exemple: pour une hauteur sol à sol de 298 cm (9’ 9 3/8”) et un escalier avec 13 marches il faut;

1. Par rapport à la hauteur (298 cm (9’ 9 3/8”), dans la colonne H), lire la quantité des entretoises nécessaires (n° 50 bagues, dans la colonne A/13)
2. Distribuer les entretoises (D03), de suite, parmi les éléments D14-D04 et D02 une par fois, jusqu’à ce qu’elles finissent (sur l’unique entretoise D14 on peut insérer au maximum 3 bagues (D03); sur les entretoises D04 on peut insérer au maximum 5 bagues (D03).
3. Le résultat final est de 3 bagues (D03) parmi D14 et D02, encore 3 bagues (D03) sur une entretoise au choix parmi D04 et D02 et de 4 bagues (D03) parmi D04 et D02 sur les onze entretoises restantes.

Italiano

Per determinare la quantità necessaria dei dischi distanziatori (D03) utilizzare la TAB. 2 (H = altezza, A = alzate).
Esempio: per un’altezza misurata da pavimento a pavimento di 298 cm (9’ 9 3/8”) e una scala con 13 gradini occorre;

1. In corrispondenza dell’altezza (298 cm (9’ 9 3/8”), nella colonna H), leggere la quantità dei dischi distanziatori necessari (n° 50 dischi, nella colonna A/13)
2. Distribuire i dischi distanziatori (D03), in successione, tra gli elementi D14-D04 e D02 uno per volta, fino al loro esaurimento (sull’unico distanziatore D14 si possono inserire fino ad un massimo di 3 dischi (D03); sui distanziatori D04 si possono inserire fino ad un massimo di 5 dischi (D03).
3. Il risultato finale è di 3 dischi (D03) tra D14 e D02, ancora 3 dischi (D03) su un distanziatore a scelta tra D04 e D02 e di 4 dischi (D03) tra D04 e D02 sugli undici distanziatori rimanenti.

Nederlands

Om het benodigde aantal tussenstukken (D03) tebepalen, met behulp van TAB.2 (H=hoogte, A= hoogten).
Voorbeeld : voor en hoogte van 298 cm (vloer tot vloer) en een trap van 13 treden, doet men hetvolgende:

1. In functie van de hoogte (298 cm (9' 9 3/8") in de tabel H) leest men het benodigde aantal tussenstukken af (nr.50 ringen, in de tabel A/13).
2. Menverdeelt de tussentukken (D03) tussen de elementen D14-D04-D02. Maximum 3 ringen voor het stuk D14, maximum 5 ringen voor het stuk D04.
3. Het eindresultaat is 3 ringen voor D14 en D02, eveneens 3 ringen voor een tussenstuk D04 en D02 naar keuze en 4 ringen voor de overblijvende tussenstukken D04 en D02.

Polski

W celu ustalenia koniecznej ilości krążków odległościowych (D03), należy posłużyć się tabelą 2 (H=wysokość, A=podstopień).
Przykład: przy odległości od posadzki do posadzki równej 298 cm (9' 9 3/8") i schodach o 13 stopniach należy:

1. Dla wysokości (298 cm (9' 9 3/8") w kolumnie H), odczytać liczbę koniecznych krążków odległościowych (nr 50 krążków, w kolumnie A/13)
2. Rozdzielić po jednym krążku odległościowym (D03) pomiędzy elementy D14-D04 oraz D02 i powtarzać tę operację aż do wyczerpania krążków (na jedną przekładkę D14 można nałęożyć maksymalnie 3 krążki; z kolei na przekładki D04 można nałożyć maksymalnie 5 krążków (D03).
3. W rezultacie 3 krążki (D03) znajdą się pomiędzy D14 a D02, kolejne 3 krążki (D03) na dowolnie wybranej przekładce D04 lub D02, oraz 4 krążki (D03) pomiędzy D04 a D02 na jedenastu pozostałych przekładkach.

Português

Para determinar a quantidade necessária dos discos distanciadores (D03) utilizar a TAB. 2 (H = altura, A = altura do degrau).
Exemplo: para uma altura medida de um pavimento ao outro de 298 cm (9’ 9 3/8”) e uma escada com 13 degraus ocorre;

1. Deacordo com a altura (298 cm (9’ 9 3/8”), nella colonna H), ler a quantidade dos discos distanciadores necessários (n° 50 discos, na coluna A/13)

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2. Distribuir os discos distanciadores (D03), em suceção, entre os elementos D14-D04 e D02 um por vez, até o esaurimento (em um unico distanciador D14 pode-se inserir até um máximo de 3 discos (D03); nos distanciadores D04 pode-se inserir até um máximo de 5 discos (D03).
3. O resultado final è de 3 discos (D03) entre D14 e D02, ainda 3 discos (D03) em um distanciador a escolha entre D04 e D02 e de 4 discos (D03) entre D04 e D02 nos onze distanciadores remanecentes.

Hrvatski

Određivanje broja razmaknih elemenata D03
Koristiti TAB. 2 (H = visina gotov pod – gotov pod; A = broj visina (broj gazišta + platforma)
PRIMJER: Za očitanu visinu gotov pod – gotov pod od 298 cm i 13 visina (12 gazišta + platforma) slijedi:
1. Za visinu 298 cm stupac H i za 13 visina očitavamo u stupcu A količinu razmaknih elemenata D03 =50 kom.
2. Raspodijeliti ovu količinu razmaknih elemenata D03 slijedom jedan po jedan između elemenata D14 i D02 i između elemenata D04 i D02 sve dok ih ne raspodijelimo do kraja. Između elemenata D14 i D02 može se umetnuti najviše 3 elementa D03, dok se između elemenata D04 i D02 može umetnuti najviše 5 elemenata D03.
3. Konačna raspodjela je 3 elementa D03 između elemenata D14 i D02, 3 elementa D03 između jednog para elemenata D04 i D02 i 4 elementa D03 između ostalih (11) parova elemenata D04 i D02.

Slovenščina

Določanje števila razmičnih elementov D03
Glejte tabelo 2 (H = višina med dvema končnima talnima ploskvama; A = število višin (število stopnih plošč + podest)
PRIMER: Če je odčitana višina med dvema končnima talnima ploskvama 298 cm pri 13. višinah (12 stopnih plošč + podest) velja:
1. Za višino 289 cm v stolpcu H in za 13 višin v stolpcu A odčitate število distančnikov D03 =50 kom.
2. Odčitano število distančnikov D03 porazdelite enega za drugim med elemente D14 in D02 ter D04 in D02, dokler ne porazdelite vseh. Med elementa D14 in D02 lahko vstavite največ 3 elemente D03, med elementa D04 in D02 pa največ 5 elementov D03.
3. Končna razporeditev je naslednja: 3 elementi D03 med elementoma D14 in D02, trije elementi D03 med enim parom elementov D04 in D02 ter štirje elementi D03 med ostalimi (11) pari elementov D04 in D02.

Srpski

Određivanje broja razmaknih elemenata D03
Koristiti TAB. 2 (H = visina gotov pod – gotov pod; A = broj visina (broj gazišta + platforma)
PRIMER: Za očitanu visinu gotov pod – gotov pod od 298 cm i 13 visina (12 gazišta + platforma) sledi:
1. Za visinu 298 cm kolona H i za 13 visina očitavamo u koloni A količinu razmaknih elemenata D03 =50 kom.
2. Raspodeliti ovu količinu razmaknih elemenata D03 sledom jedan po jedan između elemenata D14 i D02 i između elemenata D04 i D02 sve dok ih ne raspodelimo do kraja. Između elemenata D14 i D02 može se umetnuti najviše 3 elementa D03, dok se između elemenata D04 i D02 može umetnuti najviše 5 elemenata D03.
3. Konačna raspodela je 3 elementa D03 između elemenata D14 i D02, 3 elementa D03 između jednog para elemenata D04 i D02 i 4 elementa D03 između ostalih (11) parova elemenata D04 i D02.

Česky

Pro určení potřebného množství rozpěrných disků (D03) použijte TAB. 2 (H = výška , A = výšky schodů).
Příklad: pro naměřenou výšku od podlahy k podlaze 298 cm (9’ 9 3/8”) a schodiště o 13 schodnicích je třeba;
1. V řádku odpovídajícímu výšce (298 cm (9’ 9 3/8”) ve sloupci H), vyhledejte množství potřebných rozpěrných disků (ks 50 disků, ve sloupci A/13)
2. Rozmistěte rozpěrné disky (D03), postupně, mezi elementy D14-D04 a D02 po jednom, až do jejich vyčerpání (na jednu rozpěru D14 je --možné umístit maximálně 3 disky (D03); na rozpěry D04 je možné umístit maximálně 5 disků (D03).
3. Konečným výsledkem jsou 3 disky (D03) mezi D14 a D02 další 3 disky (D03) na libovolně zvolenou rozpěru mezi D04 a D02 a 4 disky (D03) --mezi D04 a D02 na 11 zbývajících rozpěrách.

Dansk

Afstandsstykkernes (D03) antal fastsættes ved hjælp af tabellen TAB. 2 (H = højde, A = stigning).
Eksempel: ved en gulv til gulv højde på 298 cm (9’ 9 3/8”) og en trappe med 13 trin skal man bruge;
1. I henhold til højden (298 cm (9’ 9 3/8”), i kolonnen H), se det nødvendige antal afstandsskiver (antal 50 skiver, i kolonnen A/13)
2. Fordel afstandsskiverne (D03), efter hinanden, mellem elementerne D14-D04 og D02 en ad gangen, indtil der ikke er flere (på det ene afstandsstykke D14 kan der højest indsættes 3 skiver (D03); på afstandsstykkerne D04 kan der indsættes maksimalt 5 skiver (D03).
3. Det endelige resultat: 3 skiver (D03) mellem D14 og D02, endnu 3 skiver (D03) på et afstandsstykke valgt mellem D04 og D02 og 4 skiver (D03) mellem D04 og D02 på de 11 tilbageblevne afstandsstykker.

Svenska

För att kunna bestämma nödvändigt antal avståndsbrickor (D03) använd TAB.2 (H= höjd,A= steg).
Exempel: om höjden mätt från golv-till-golv är 298 cm (9’ 3/8”) och trappan har 13 steg gäller följande;
1. Se höjden (298 cm (9’9 3/8”) i kolumn H), läs antal nödvöndigt antal avståndsbrickor (50 st, i kolumn A/13)
2. Distribuera alla brickor (D03), en i taget, mellan delarna D14-D04 och D02 (för den enskilda avståndsdelen D14 kan man använda upp till maximalt 3 brickor (D03); för avståndsdelen D04 kan man använda upp till maximalt 5 brickor (D03).
3. Slutresultatet är följande: 3 brickor (D03) mellan D14 och D02, ytterligare 3 brickor (D03) på antingen avståndsdel D04 eller D02 och 4 brickor (D03) mellan D04 och D02 på de återstående elva avståndsdelarna.

Suomi

Jotta voisit saada selville mikä on välikelevyjen (D03) tarpeellinen määrä, käytä TAULUKKOA 2 (H = korkeus, A = nousut)
Esimerkki: jos korkeus mitattuna lattiasta lattiaan on 298 cm (9’ 9 3/8”) ja portaissa on 13 askelmaa; tulee menetellä seuraavasti:
1. Korkeuden kohdalta (298 cm (9’ 9 3/8”), sarakkeesta H), tulee lukea tarvittava välikelevyjen määrä (50 kpl. levyjä, sarakkeesta A/13)
2. Seuraavaksi tulee jakaa välikelevyt (D03), toinen toisensa jälkeen, osien D14-D04 ja D02 väliin yksi kerrallaan, kunnes kaikki levyt on --käytetty (yhteen välikekappaleeseen D14 voidaan asettaa korkeintaan 3 levyä, (D03); välikekappaleisiin D04 voidaan sen sijaan asettaa korkeintaan 5 levyä (D03).
3. Lopullinen tulos on seuraava: 3 levyä (D03), D14:n ja D02:n välillä , lisäksi 3 levyä (D03) valitsemassasi välikepalassa D04:n ja D02:n välillä --ja 4 levyä (D03) D04:n ja D02:n välillä yhdessätoista jäljelläolevassa välikekappaleessa.

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TAB. 2

		A				A			A			A
H				H				H				H	
	10		11		12	*KIT*	13		14		15		16
210	0			252	0			294	0			336	0
211	2			253	2			295	2			337	2
212	4			254	4			296	4			338	4
213	6			255	6			297	6			339	6
214	8			256	8			298	8			340	8
215	10			257	10			299	10			341	10
216	12			258	12			300	12			342	12
217	14			259	14			301	14			343	14
218	16			260	16			302	16			344	16
219	18			261	18			303	18			345	18
220	20			262	20			304	20			346	20
221	22			263	22			305	22			347	22
222	24			264	24			306	24			348	24
223	26			265	26			307	26			349	26
224	28			266	28			308	28			350	28
225	30			267	30			309	30			351	30
226	32			268	32			310	32			352	32
227	34			269	34			311	34			353	34
228	36			270	36			312	36			354	36
229	38			271	38			313	38			355	38
230	40			272	40			314	40			356	40
231	42		0	273	42		0	315	42		0	357	42
232	44		2	274	44		2	316	44		2	358	44
233	46		4	275	46		4	317	46		4	359	46
234	48		6	276	48		6	318	48		6	360	48
235	50		8	277	50		8	319	50		8	361	50
236			10	278	52		10	320	52		10	362	52
237			12	279	54		12	321	54		12	363	54
238			14	280	56		14	322	56		14	364	56
239			16	281	58		16	323	58		16	365	58
240			18	282	60		18	324	60		18	366	60
241			20	283			20	325	62		20	367	62
242			22	284			22	326	64		22	368	64
243			24	285			24	327	66		24	369	66
244			26	286			26	328	68		26	370	68
245			28	287			28	329	70		28	371	70
246			30	288			30	330			30	372	72
247			32	289			32	331			32	373	74
248			34	290			34	332			34	374	76
249			36	291			36	333			36	375	78
250			38	292			38	334			38	376	80
251			40	293			40	335			40	377	
252			42	294			42	336			42	378	
253			44	295			44	337			44	379	
254			46	296			46	338			46	380	
255			48	297			48	339			48	381	
256			50	298			50	340			50	382	
257			52	299			52	341			52	383	
258			54	300			54	342			54	384	
259				301			56	343			56	385	
260				302			58	344			58	386	
261				303			60	345			60	387	
262				304			62	346			62	388	
263				305			64	347			64	389	
264				306				348			66	390	
265				307				349			68	391	
266				308				350			70	392	
267				309				351			72	393	
268				310				352			74	394	
269				311				353				395	
270				312				354				396	
271				313				355				397	
272				314				356				398	
273				315				357				399	

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TAB. 2

		A				A				A			A
H				H				H				H	
	10		11		12	*KIT*	13		14		15		16
6’10 5/8”	0			8’ 3 1/4”	0			9’ 7 3/4”	0			11’ 1/4”	0
6’11 1/8”	2			8’ 3 5/8”	2			9’ 8 1/8”	2			11’ 5/8”	2
6’11 1/2”	4			8’ 4 ”	4			9’ 8 1/2”	4			11’ 1 1/8”	4
6’11 7/8”	6			8’ 4 3/8”	6			9’ 8 7/8”	6			11’ 1 1/2”	6
7’ 1/4”	8			8’ 4 3/4”	8			9’ 9 3/8”	8			11’ 1 7/8”	8
7’ 5/8”	10			8’ 5 1/8”	10			9’ 9 3/4”	10			11’ 2 1/4”	10
7’ 1 ”	12			8’ 5 5/8”	12			9’ 10 1/8”	12			11’ 2 5/8”	12
7’ 1 3/8”	14			8’ 6 ”	14			9’ 10 1/2”	14			11’ 3 ”	14
7’ 1 7/8”	16			8’ 6 3/8”	16			9’ 10 7/8”	16			11’ 3 3/8”	16
7’ 2 1/4”	18			8’ 6 3/4”	18			9’ 11 1/4”	18			11’ 3 7/8”	18
7’ 2 5/8”	20			8’ 7 1/8”	20			9’ 11 3/4”	20			11’ 4 1/4”	20
7’ 3 ”	22			8’ 7 1/2”	22			10’ 1/8”	22			11’ 4 5/8”	22
7’ 3 3/8”	24			8’ 8 ”	24			10’ 1/2”	24			11’ 5”	24
7’ 3 3/4”	26			8’ 8 3/8”	26			10’ 7/8”	26			11’ 5 3/8”	26
7’ 4 1/4”	28			8’ 8 3/4”	28			10’ 1 1/4”	28			11’ 5 3/4”	28
7’ 4 5/8”	30			8’ 9 1/8”	30			10’ 1 5/8”	30			11’ 6 1/4”	30
7’ 5 ”	32			8’ 9 1/2”	32			10’ 2 ”	32			11’ 6 5/8”	32
7’ 5 3/8”	34			8’ 9 7/8”	34			10’ 2 1/2”	34			11’ 7 ”	34
7’ 5 3/4”	36			8’ 10 1/4”	36			10’ 2 7/8”	36			11’ 7 3/8”	36
7’ 6 1/8”	38			8’ 10 3/4”	38			10’ 3 1/4”	38			11’ 7 3/4”	38
7’ 6 1/2”	40			8’ 11 1/8”	40			10’ 3 5/8”	40			11’ 8 1/8”	40
7’ 7 ”	42		0	8’ 11 1/2”	42		0	10’ 4 ”	42		0	11’ 8 1/2”	42
7’ 7 3/8”	44		2	8’ 11 7/8”	44		2	10’ 4 3/8”	44		2	11’ 9”	44
7’ 7 3/4”	46		4	9’ 1/4”	46		4	10’ 4 3/4”	46		4	11’ 9 3/8”	46
7’ 8 1/8”	48		6	9’ 5/8”	48		6	10’ 5 1/4”	48		6	11’ 9 3/4”	48
7’ 8 1/2”	50		8	9’ 1 ”	50		8	10’ 5 5/8”	50		8	11’10 1/8”	50
7’ 8 7/8”			10	9’ 1 1/2”	52		10	10’ 6 ”	52		10	11’10 1/2”	52
7’ 9 1/4”			12	9’ 1 7/8”	54		12	10’ 6 3/8”	54		12	11’10 7/8”	54
7’ 9 3/4”			14	9’ 2 1/4”	56		14	10’ 6 3/4”	56		14	11’11 1/4”	56
7’ 10 1/8”			16	9’ 2 5/8”	58		16	10’ 7 1/8”	58		16	11’11 3/4”	58
7’ 10 1/2”			18	9’ 3 ”	60		18	10’ 7 1/2”	60		18	12’ 1/8”	60
7’ 10 7/8”			20	9’ 3 3/8”			20	10’ 8 ”	62		20	12 1/2”	62
7’ 11 1/4”			22	9’ 3 7/8”			22	10’ 8 3/8”	64		22	12’ 7/8”	64
7’ 11 5/8”			24	9’ 4 1/4”			24	10’ 8 3/4”	66		24	12’ 1 1/4”	66
8’ 1/8”			26	9’ 4 5/8”			26	10’ 9 1/8”	68		26	12’ 1 5/8”	68
8’ 1/2”			28	9’ 5 ”			28	10’ 9 1/2”	70		28	12’ 2 1/8”	70
8’ 7/8”			30	9’ 5 3/8”			30	10’ 9 7/8”			30	12’ 2 1/2”	72
8’ 1 1/4”			32	9’ 5 3/4”			32	10’10 3/8”			32	12’ 2 7/8”	74
8’ 1 5/8”			34	9’ 6 1/8”			34	10’10 3/4”			34	12’ 3 1/4”	76
8’ 2 ”			36	9’ 6 5/8”			36	10’11 1/8”			36	12’ 3 5/8”	78
8’ 2 3/8”			38	9’ 7 ”			38	10’11 1/2”			38	12’ 4 ”	80
8’ 2 7/8”			40	9’ 7 3/8”			40	10’11 7/8”			40	12’ 4 3/8”	
8’ 3 1/4”			42	9’ 7 3/4”			42	11’ 1/4”			42	12’ 4 7/8”	
8’ 3 5/8”			44	9’ 8 1/8”			44	11’ 5/8”			44	12’ 5 1/4”	
8’ 4 ”			46	9’ 8 1/2”			46	11’ 1 1/8”			46	12’ 5 5/8”	
8’ 4 3/8”			48	9’ 8 7/8”			48	11’ 1 1/2”			48	12’ 6 ”	
8’ 4 3/4”			50	9’ 9 3/8”			50	11’ 1 7/8”			50	12’ 6 3/8”	
8’ 5 1/8”			52	9’ 9 3/4”			52	11’ 2 1/4”			52	12’ 6 3/4”	
8’ 5 5/8”			54	9’ 10 1/8”			54	11’ 2 5/8”			54	12’ 7 1/8”	
8’ 6 ”				9’ 10 1/2”			56	11’ 3 ”			56	12’ 7 5/8”	
8’ 6 3/8”				9’ 10 7/8”			58	11’ 3 3/8”			58	12’ 8 ”	
8’ 6 3/4”				9’ 11 1/4”			60	11’ 3 7/8”			60	12’ 8 3/8”	
8’ 7 1/8”				9’ 11 3/4”			62	11’ 4 1/4”			62	12’ 8 3/4”	
8’ 7 1/2”				10’ 1/8”			64	11’ 4 5/8”			64	12’ 9 1/8”	
8’ 8 ”				10’ 1/2”				11’ 5”			66	12’ 9 1/2”	
8’ 8 3/8”				10’ 7/8”				11’ 5 3/8”			68	12’10 10”	
8’ 8 3/4”				10’ 1 1/4”				11’ 5 3/4”			70	12’10 3/8”	
8’ 9 1/8”				10’ 1 5/8”				11’ 6 1/4”			72	12’10 3/4”	
8’ 9 1/2”				10’ 2 ”				11’ 6 5/8”			74	12’11 1/8”	
8’ 9 7/8”				10’ 2 1/2”				11’ 7 ”				12’11 1/2”	
8’10 1/4”				10’ 2 7/8”				11’ 7 3/8”				12’11 7/8”	
8’10 3/4”				10’ 3 1/4”				11’ 7 3/4”				13’ 1/4”	
8’11 1/8”				10’ 3 5/8”				11’ 8 1/8”				13 3/4”	
8’11 1/2”				10’ 4 ”				11’ 8 1/2”				13’ 1 1/8”	

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FIG. 1

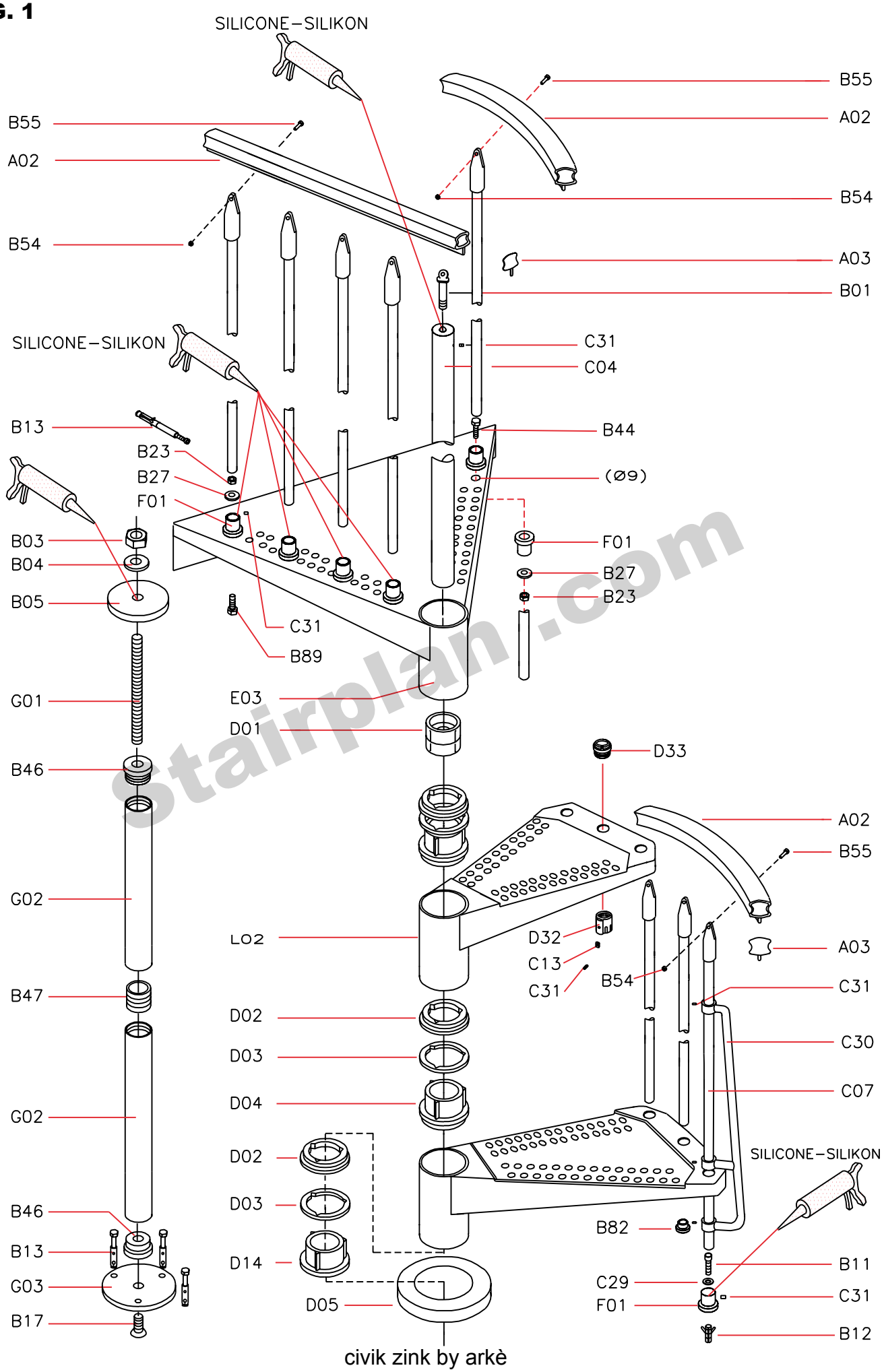

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FIG. 2

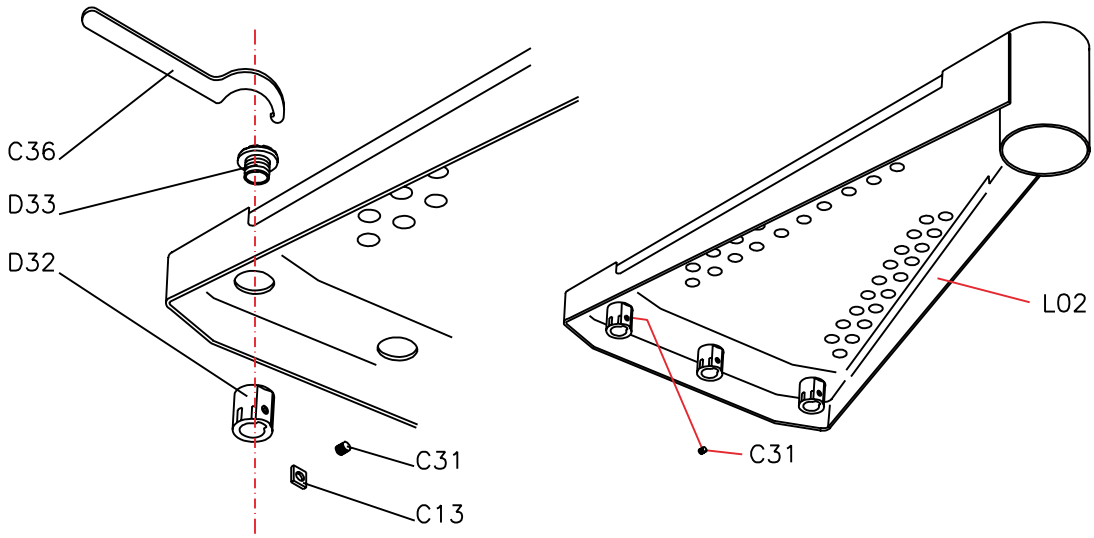

FIG. 3

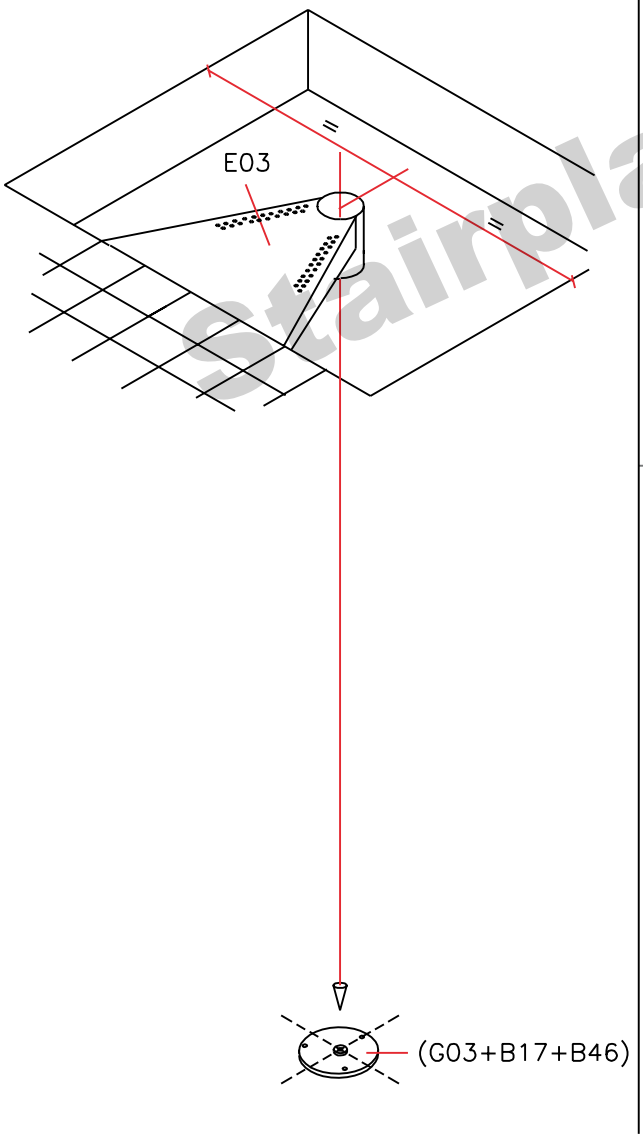

FIG. 4

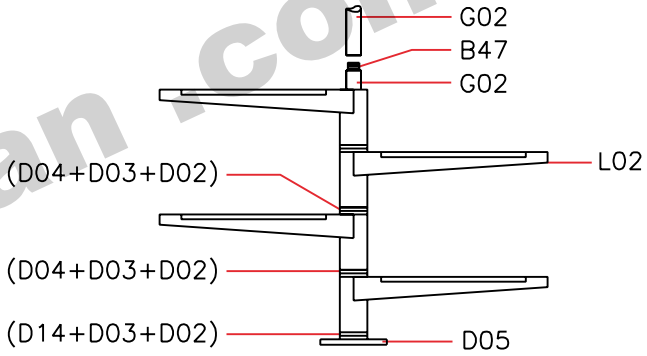

FIG. 5

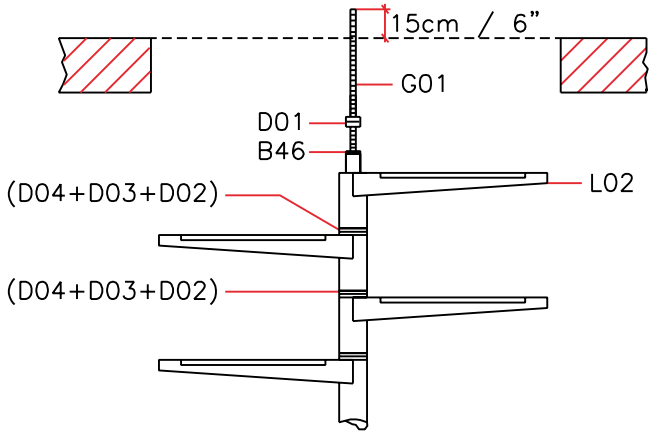

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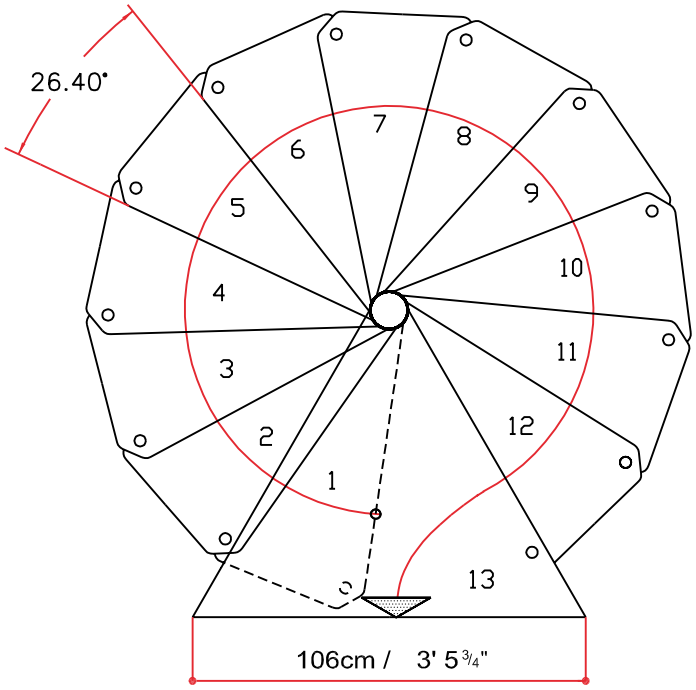
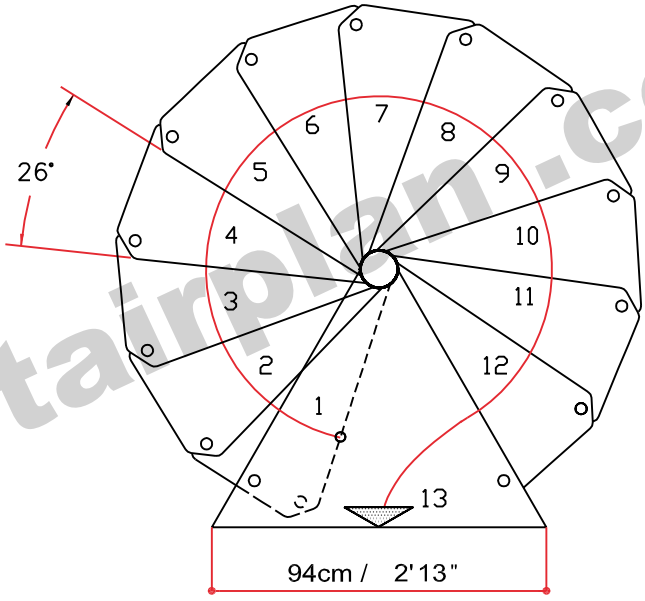
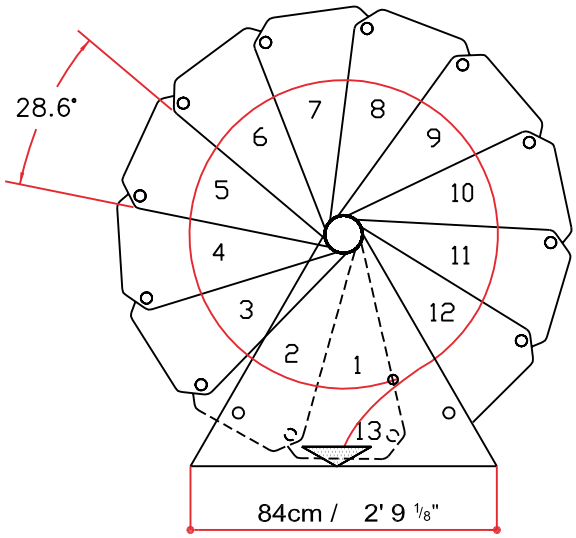
FIG. 5A



Ø160 cm
Ø 5'3"



Ø140 cm
Ø 4'7 1/8 "



Ø120 cm
Ø 3'11 1/4 "

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FIG. 6

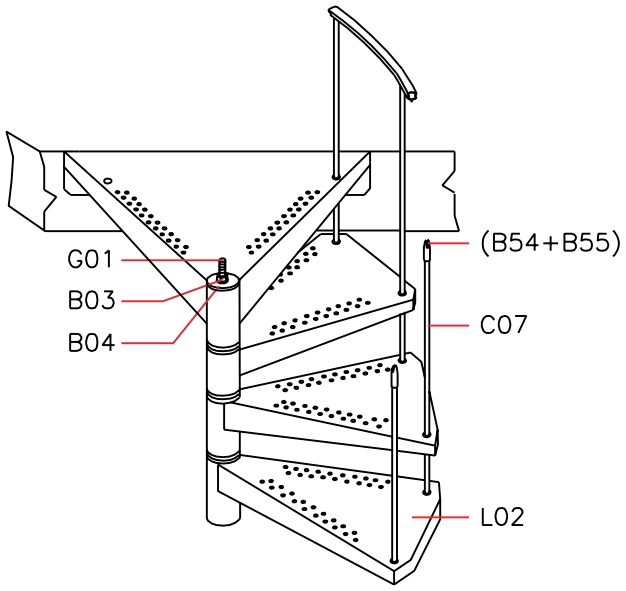


FIG. 8

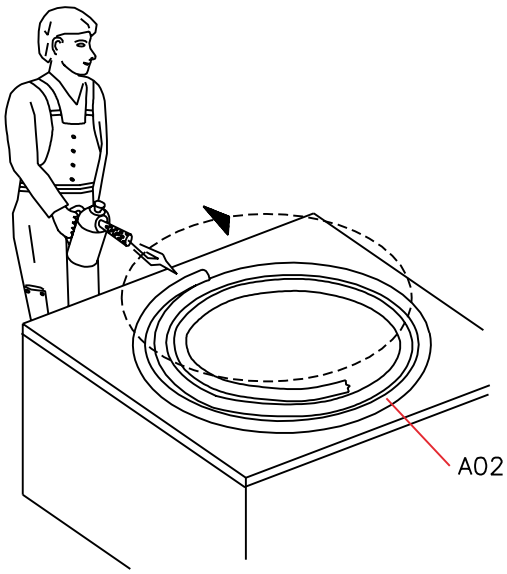


FIG. 9

n°7	Ø 160 cm (5'3")
n°6	Ø 140 cm (4'7 ⅛ ")
n°5	Ø 120 cm (3'11¼")
C07	

n°2	Ø 160 cm (5'3")
	Ø 140 cm (4'7 ⅛ ")
	Ø 120 cm (3'11¼")
C07	

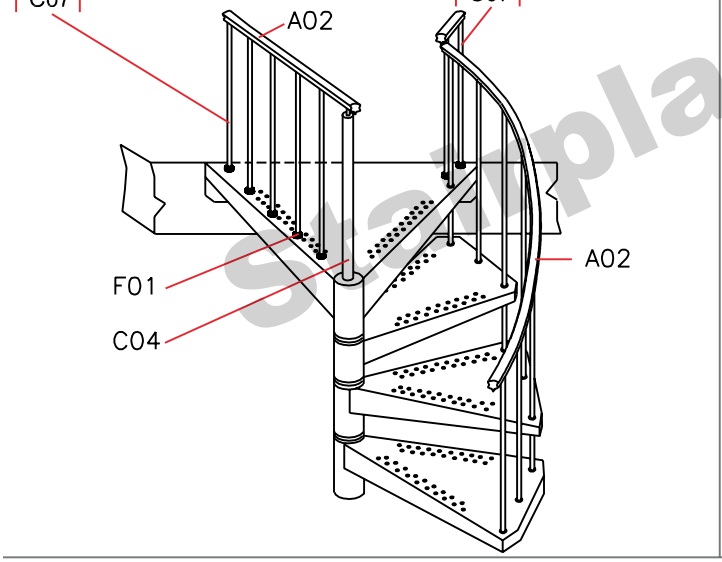


FIG. 10

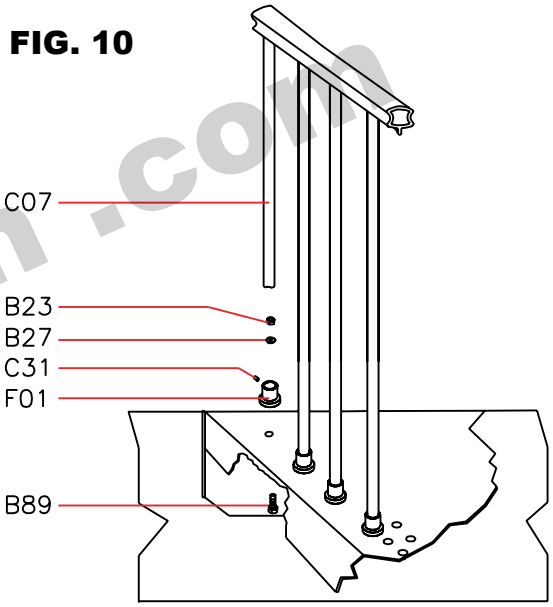
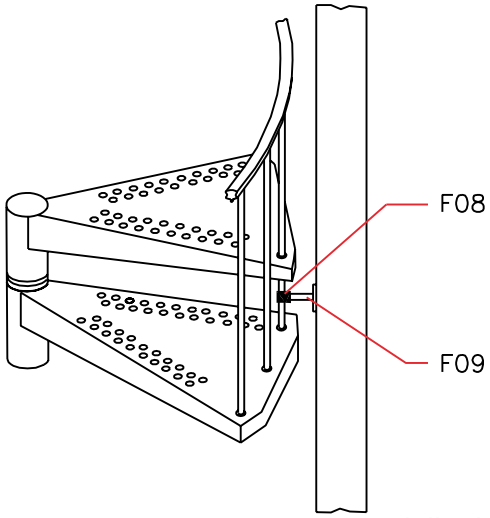
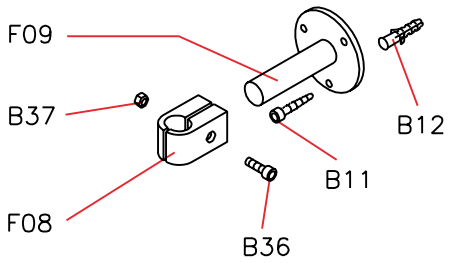


FIG. 11





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