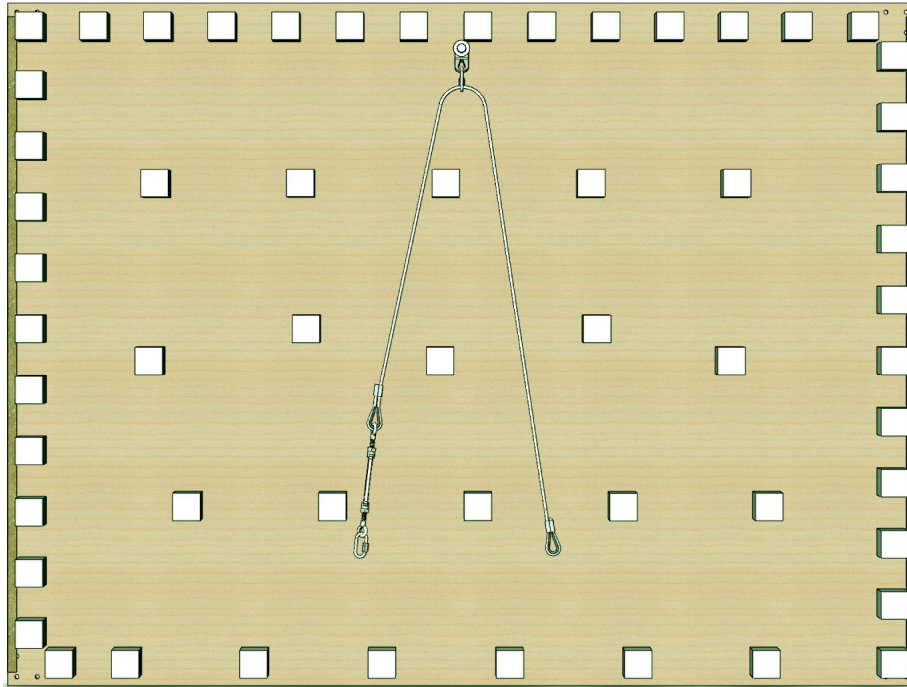


STOPPER CABLES AND ANTI-ROTATION KITS FOR GYM EXERCISE FLOORS AND ACROBATIC TRACKS M'2012

 6180/27
 6528C - 6529D

 KEEP THIS
 DOCUMENT
**Warning:**

This equipment should be installed by a qualified individual.

Attachments that are provided with these kits may only be used if the support complies with the **CC78** specifications. Using this equipment for purposes other than those originally intended is forbidden.

Recommendations:

As set out in French Standard NF S52-400 the following is recommended:

- keep these instructions for subsequent reference (inspection, maintenance, etc.).
- periodically carry out predictive maintenance.
- depending on how much it is used, have the equipment serviced yearly or every few years.

Packaging:

1 Pack (ref.: 6180/27) —> One complete cable:

Weight: 1.05 kg Dimensions: 140 x 150 x 180 mm Volume: 0.004 m³

1 Pack (ref.: 6528C) —> Set of 2 cables:

Weight: 3.15 kg Dimensions: 300 x 200 x 170 mm Volume: 0.01 m³

1 Pack (ref.: 6529D) —> Set of 4 cables:

Weight: 5.25 kg Dimensions: 300 x 200 x 170 mm Volume: 0.01 m³

Uses of stopper cables (ref.: 6180/27):

These cables prevent rotation and/or linear movement of dynamic floors:

- for GYMNOVA acrobatic tracks (Ref.: 6186 - 6191 - 6196)
- for GYMNOVA exercise floors (Ref.: 6565 - 6570 - 6574)

Maintenance:

- 1 - Regular floor cleaning allows any problems to be detected more easily (distortion, breakage, or corrosion).
- 2 - Before each use, thoroughly check the condition of the parts: wear to bracing flats **(8)**, cables **(14)**, quick links **(16)** and turnbuckles **(15)**.
- 3 - Periodically check the tension of cables **(13)**, locking of tighteners **(15)**, and closure of quick links **(16)**.
- 4 - Check that the attachments **(17)** are locked and that the bolts **(19)** do not protrude from the floor.
- 5 - **Important:**
 - If a problem is found or suspected, do not use the equipment until it has been checked by a technician.
 - Any damaged or distorted component should be replaced as soon as possible.

I. Installing the anti-rotation kit for tracks < 14 m (Ref.: 6528C) (minimum of two people required):

Note: if the track is less than 14 m in length, only 2 stopper cables are required to keep the ends in position and to keep the track straight.

1 - Installing the stopper cables under the floor:

- Once the floor is positioned (depending on the desired and/or existing configuration of the gymnasium), detach the end panels (1) from the track.
- Drill a 11 mm dia. hole, in the center of each end panel (1) along the track width and 10 cm from the edge (see Fig. 1).
- Insert a screw nut (9) into the top of the panel (1), then secure it using two wood screws (10) as shown in Fig. 1.
- Install the bracing flat (8) using the fastenings (5), (6) and (7), under each panel as shown in Fig. 2 and Fig. 3, in the direction shown by Fig. 4 and Fig. 5, before tightening to prevent rotation (see Fig. 3).
- Install a quick link (16) on each bracing flat (8), then insert a complete cable (6) (see Fig. 4 and Fig. 5).

Important: position the tighteners (15) on the easily accessible side of the track so as to provide access for maintenance.

Figure 1
End panel
(Viewed from above)

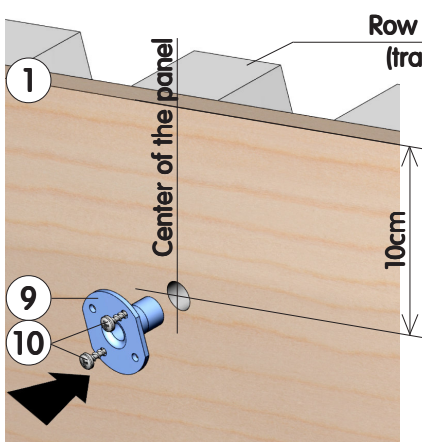


Figure 2
End panel
(Bottom view)

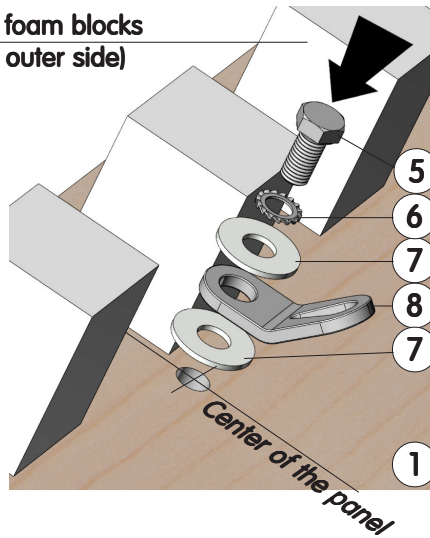


Figure 3
End panel
(Side view)

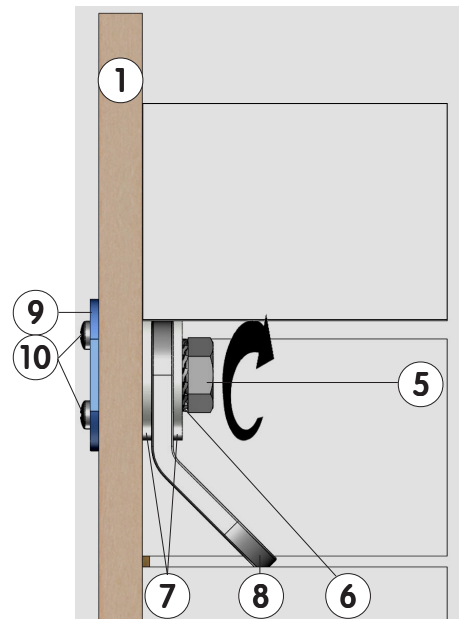
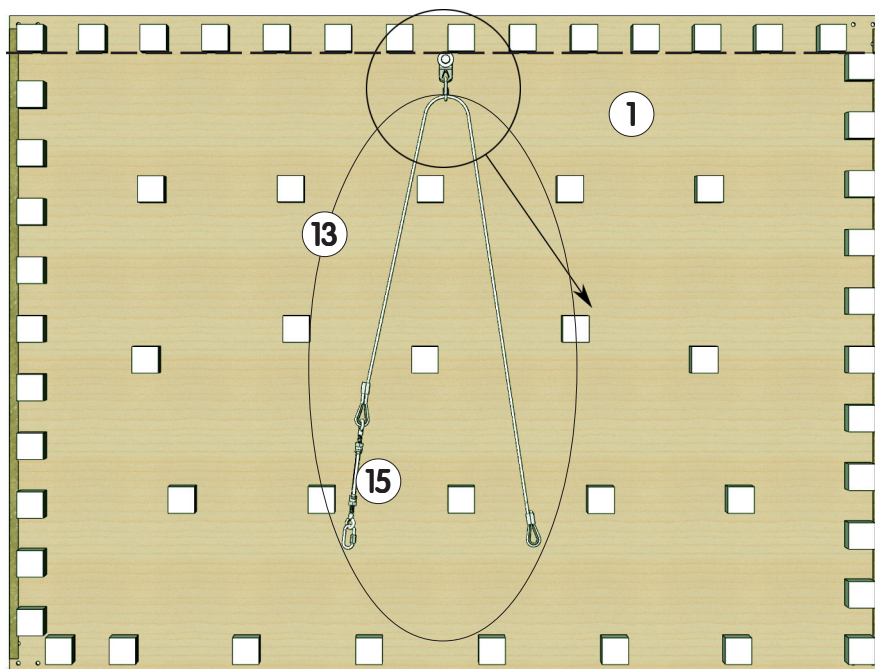
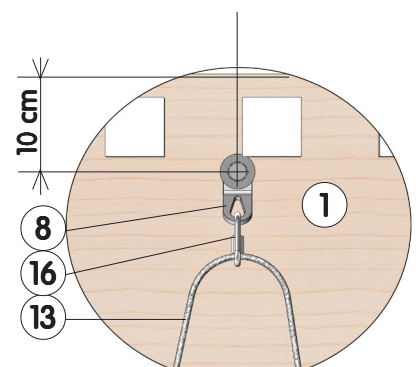


Figure 4
End panel with cable fitted
(Track width)



Row of foam blocks
(track outer side)

Figure 5
Installation details
Center of the end panel
(Track width)



2 - Securing the floor to ground:

2.1. Preparation:

- Check that the full track is straight (alignment of panels).
- Plot the position of the two end panels (1), and the position of the attachments as shown in **Fig. 6 and 6a** or **Fig. 7 and 7a**.
- Next, drill 12 mm dia. holes, 4.5 cm deep in the ground, at the end of the track.
- Carefully vacuum clean the holes before inserting the hammer-type bolts (19) provided: insert the collar, then hammer the bottom in order to secure it to the ground, using an appropriate tool (follow the steps shown on the right).

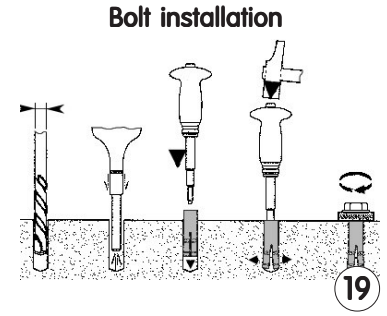


Figure 6
End panel for 2 m wide track

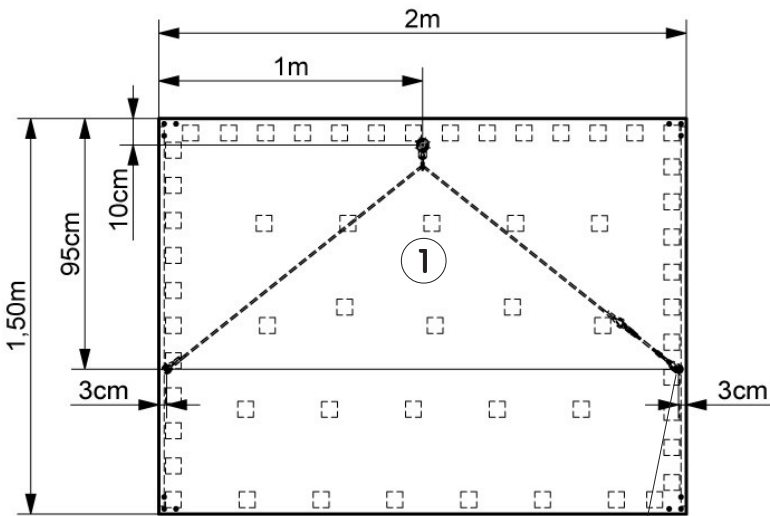


Figure 6a
2 m wide track

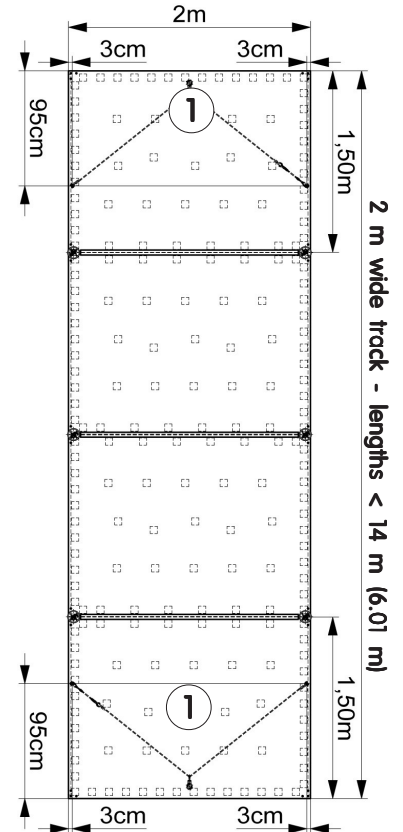
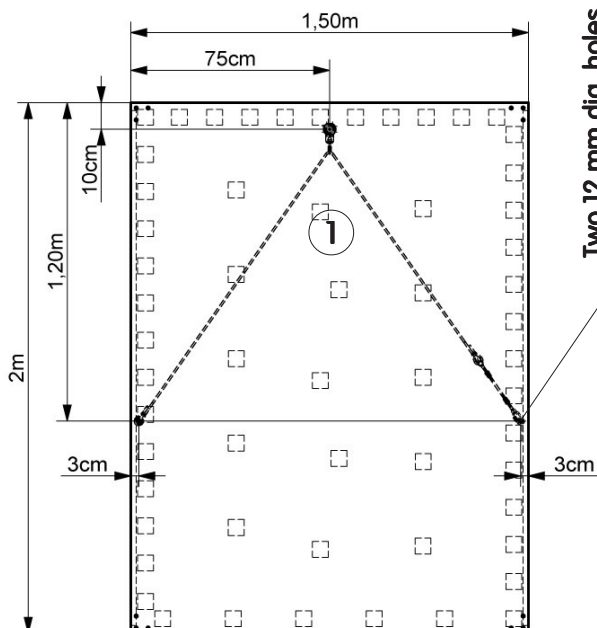
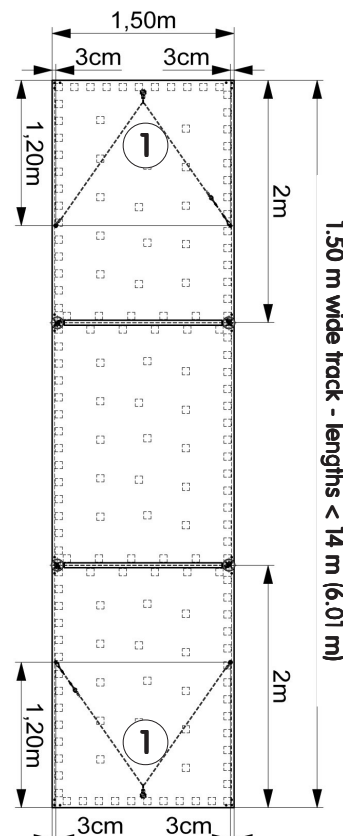


Figure 7
End panel for 1.50 m wide track



Two 12 mm dia. holes, 4.5 cm deep
on either side of the track

Figure 7a
1.50 m wide track



2.2. Fixing:

- Partially reinstall the track end panels (1) with the ends of the cables (13) protruding from the floor.
- Attach the ends of each cable, without tightening (contact with the ground), installing the fastenings in the right order (12), (11), (18) et (17) (see Fig. 8 and 9).
- Reinstall the track end panels (1) using the floor links.
- Check the alignment of all floor items (and the centering of the floor in relation to the attachments).
- Tighten the cables (13) using the tighteners (15).

Note: Moderate tightening of the floor attachments allows the cables (13) to be positioned most easily when the tension is adjusted.

Figure 8

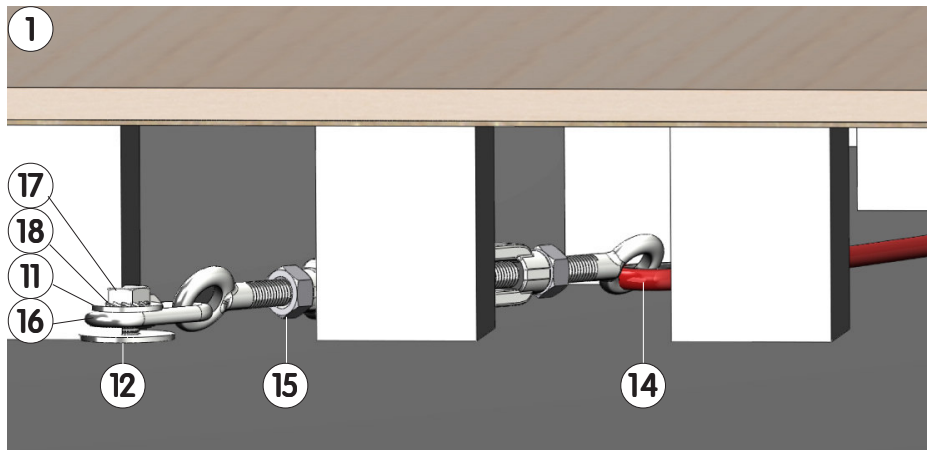
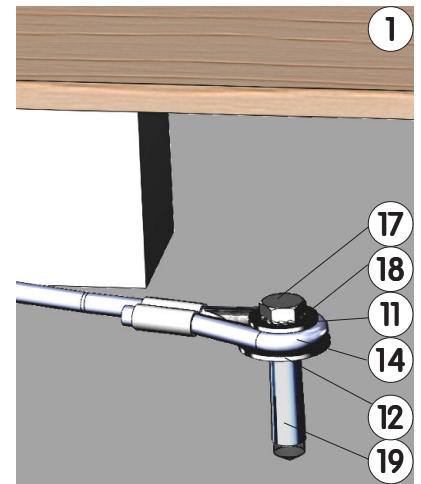


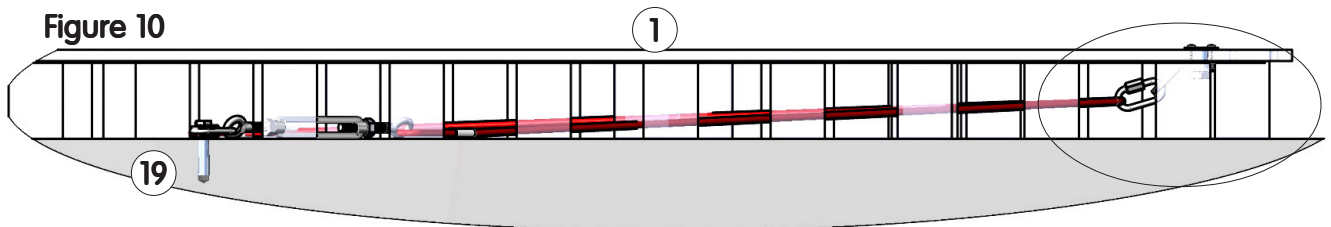
Figure 9



2.3. Tightening:

- To tighten the cables (13), slightly lift each end panel (1), so as to access the tightener (15).
- Screw in each tightener (15) enough, so that the cable (13) no longer rests on the ground (see Fig. 10 and 11).
- Fully tighten the ground attachment elements (12), (11), (18) and (17).
- Finally, manually screw the tighteners (15) so that the cables (13) are fully tensioned.
- Do not forget to lock the adjustment of each tightener (15), by fully tightening the locknuts with a wrench (see Fig. 12).

Figure 10



3 - Completing the track:

- Install (or reinstall) the foam, then the carpet, aligned on the floor.
- Install (or reinstall) the flaps along the track length.

Figure 11

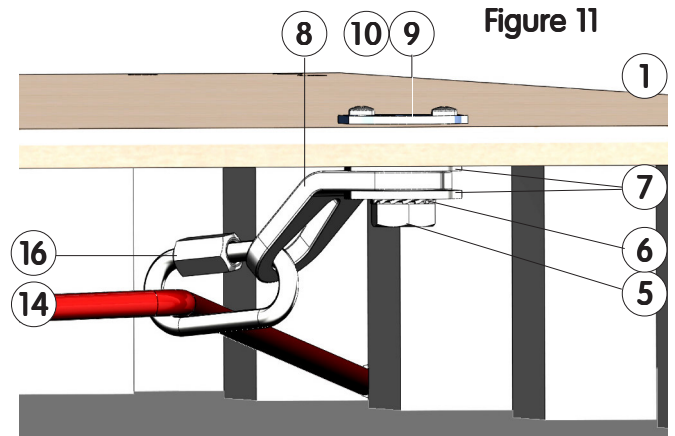


Figure 12



II. Assembling the anti-rotation kit for tracks ≥ 14 m (Ref.: 6529D) (minimum of two people required):
Note: above 14 m in length, 4 stopper cables are required to keep the track in position (2 at the ends and 2 in the center) and to keep it straight.

1 - Installing the stopper cables under the floor:

- Once the floor is positioned (depending on the desired and/or existing configuration of the gymnasium), detach the end panels (1), and a center panel (2) of the track.
- Refer to the steps described in «§ I. 1» for the end panels (1).
- Then, repeat the steps in the center of the track center panel (2) (see Fig. 13 and 13a or Fig. 14 and 14a).

2 - Securing the floor to the ground: refer to «§ I. 2», and repeat the steps for panels (2).

3 - Completing the track: refer to «§ I. 3»

Figure 14a
1.50 m wide track

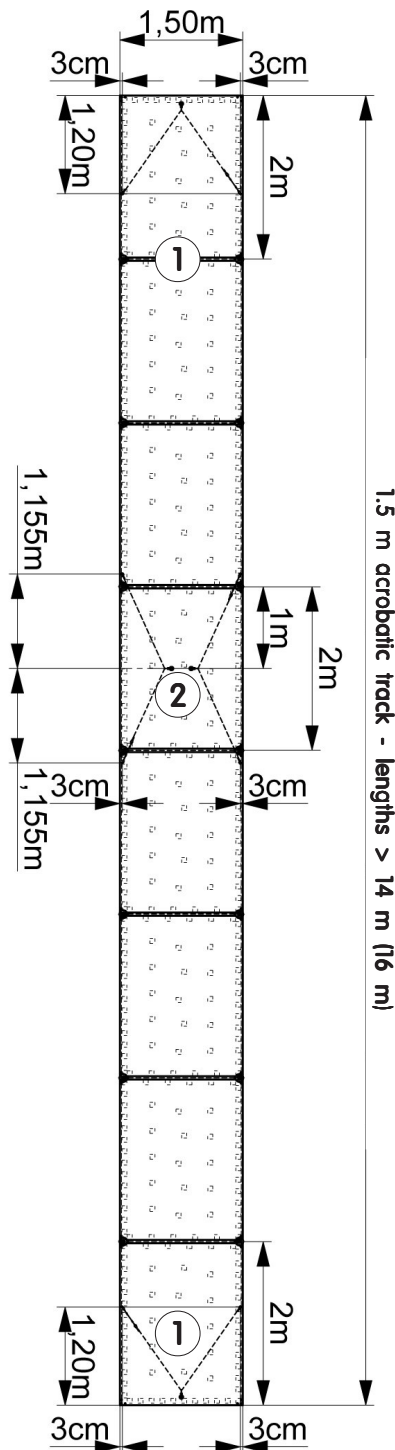


Figure 13
Center panel for 2m wide track

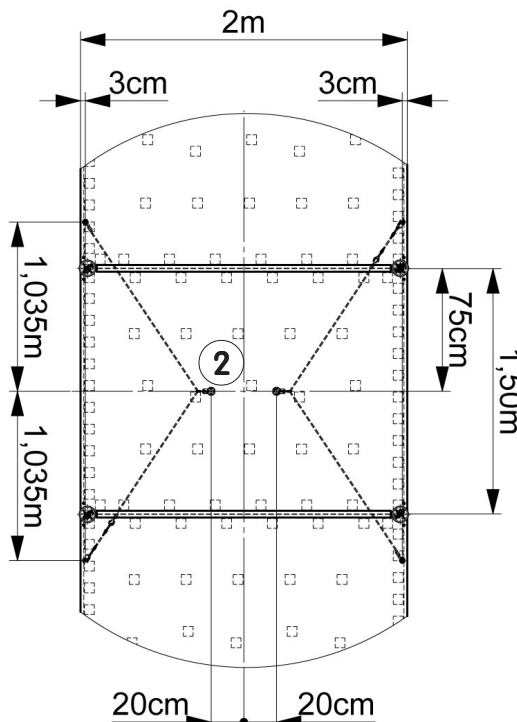


Figure 13a
2 m wide track

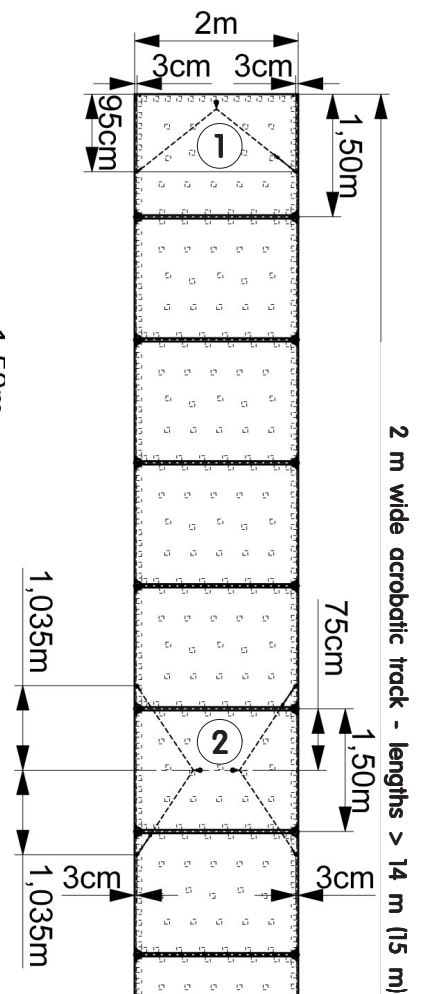
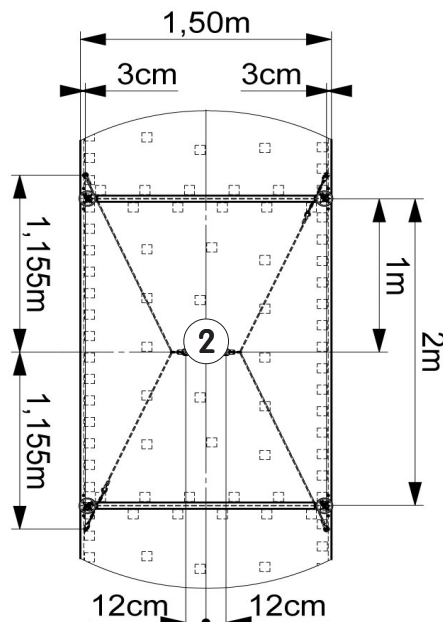


Figure 14
Center panel for 1.50 m wide track



III. Assembling the anti-rotation kit gym for exercise floors (Ref.: 6529D) (minimum of two people required):

Note: 4 stopper cables are required to immobilize an exercise floor.

1.1 - Installing stopper cables under an existing floor:

- Fold back half of the carpet in order to access the foam tracks (exercise floors ref.: 6570 and 6565), or the end of roll-up tracks (exercise floor ref.: 6574), depending on the type of exercise floor.
- Fold back the foam tracks enough to uncover both angle panels of the floor **Fig. 15**.
- Remove the floor edges so as to access the angle panels **(3)** and **(4)** (2 x 1.5 m) (see **Fig. 15** and **Fig. 16**).
- Detach each angle panel **(3)** or **(4)**, then drill one 15 mm dia. hole into the outer angle, 20 cm away from the edge (**Fig. 17**).
- Insert a screw nut **(9)** into the top of the panel **(3)** or **(4)**, then secure it using two wood screws **(10)** as shown in **Fig. 17**
- Install the bracing flat **(8)** using the fastenings **(5)**, **(6)**, and **(7)**, under each panel as shown in **Fig. 16**, at 45° as shown in **Fig. 18**, before tightening to prevent rotation.
- Install a quick link **(16)** on each bracing flat **(8)**, then insert a complete cable **(13)** (see **Fig. 20**).

Important: position the tighteners **(15)** on the easily accessible side of the exercise floor so as to provide access for maintenance.

- Repeat the above steps for the other half of the exercise floor.

1.2 - Installing stopper cables under a new floor:

- While assembling the angle panels **(3)** and **(4)**, install a quick link **(16)** on each bracing flat **(8)**, then insert a complete cable **(13)** as shown in **Fig. 20**.

Figure 15
Angle panel of the exercise floor

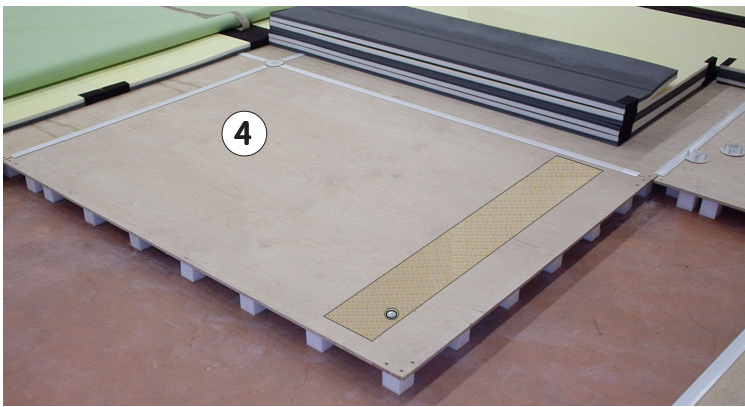


Figure 16
Complete angle of the exercise floor

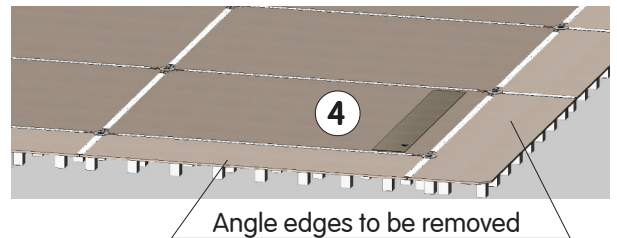


Figure 19
Direction of the bracing flat
(bottom view)

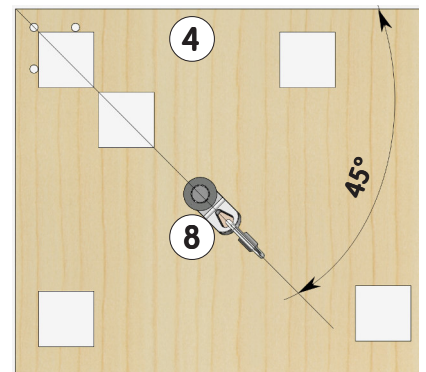


Figure 17
Outer corner of the angle panel
(top view)

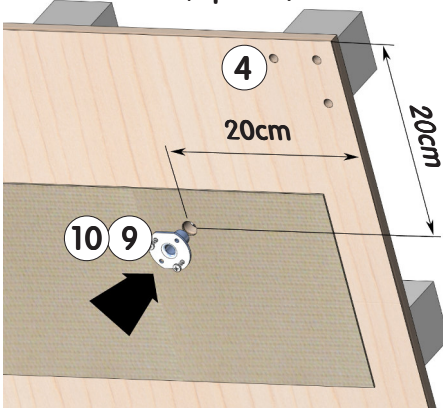


Figure 18
Outer corner of the angle panel
(bottom view)

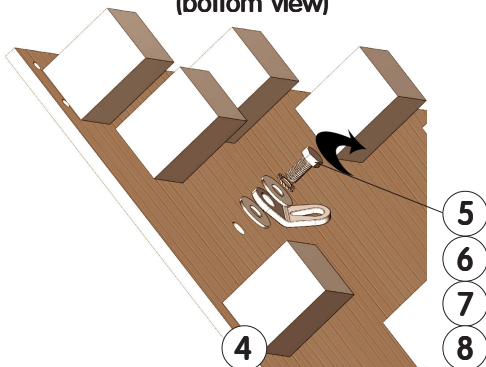
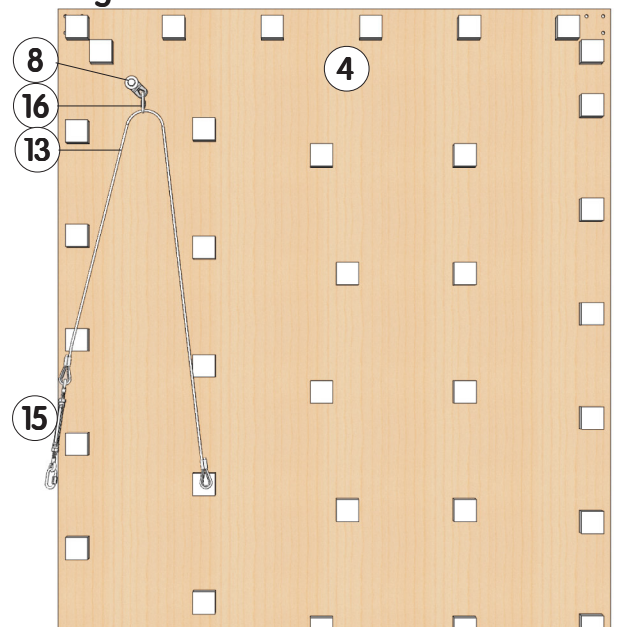


Figure 20



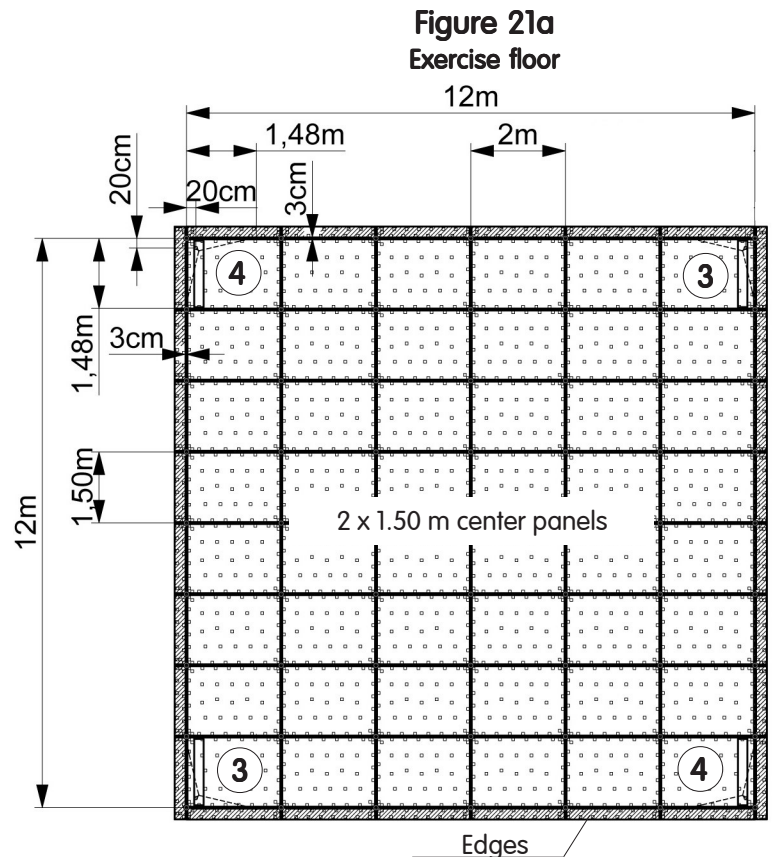
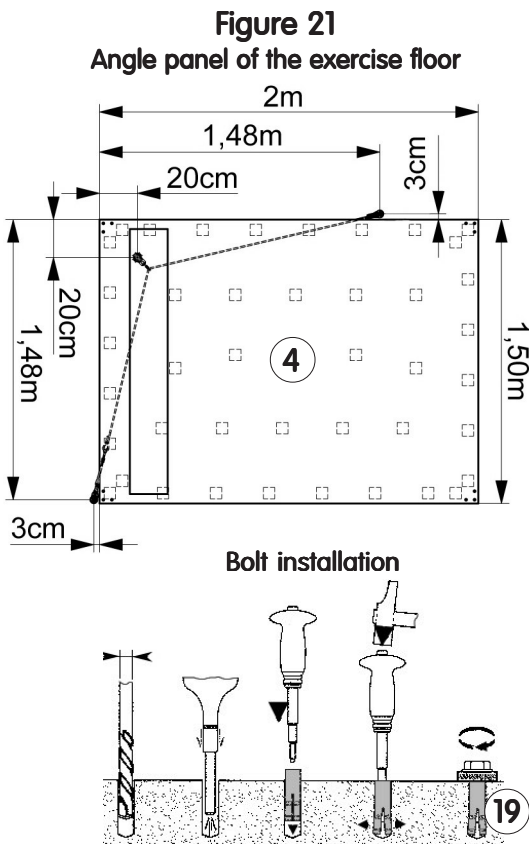
2 - Securing the floor to ground:

2.1. Preparation:

- Reinstall the angle panels (3) and (4) of the exercise floor, with the ends of the cable (13) protruding from either side of the panel (check for correct alignment with the remainder of the floor).
- Drill 12 mm dia. holes, 4.5 cm deep in the ground, at the angles of the floor, as shown by Fig. 21 and 21a.

Note: The position of cable attachment elements is the same for all gym exercise floors. Only the edge width varies.

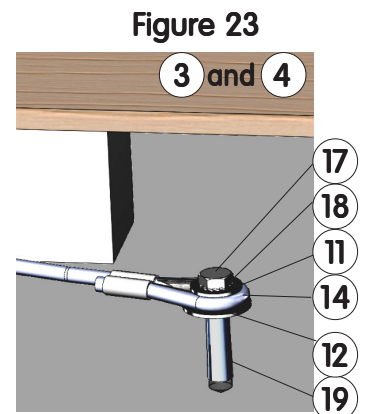
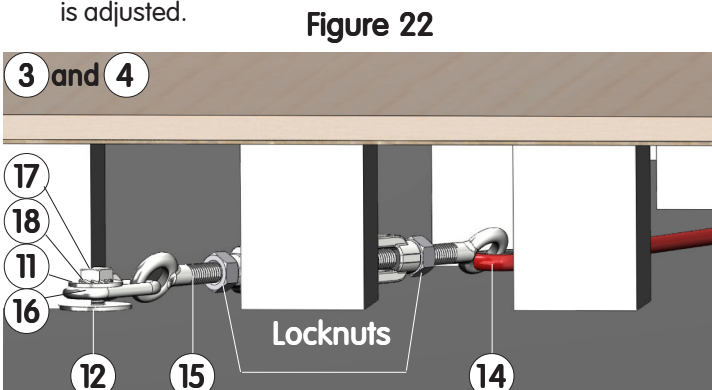
- Carefully vacuum clean the holes before inserting the hammer-type bolts (12) provided: insert the collar, then hammer the bottom in order to secure it to the ground, using an appropriate tool (follow the steps shown below).



2.2. Fixing:

- Attach the ends of each cable, without tightening (contact with the ground), installing the fastenings in the right order (12), (11), (18) et (17) (see Fig. 22 and 23).
- Reinstall the track end panels (3) and (4) using the floor links.
- Check the alignment of all floor items.
- Tighten the cables (13) using the tighteners (15).

Note: Moderate tightening of the floor attachments allows the cables (13) to be positioned most easily when the tension is adjusted.

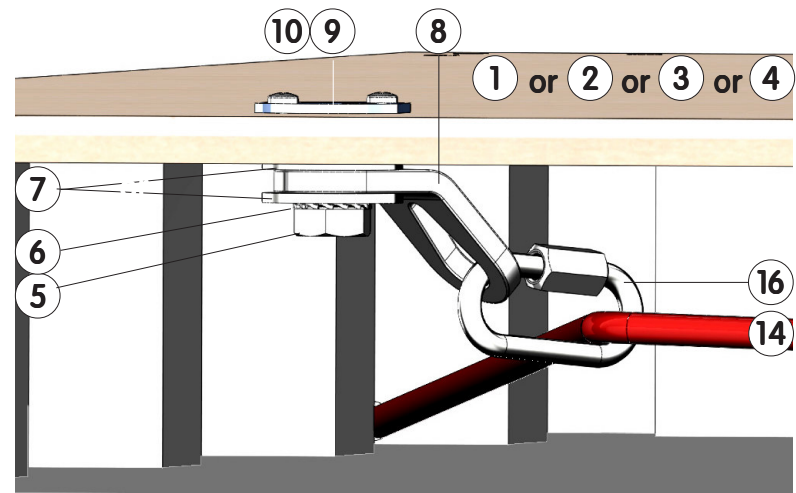
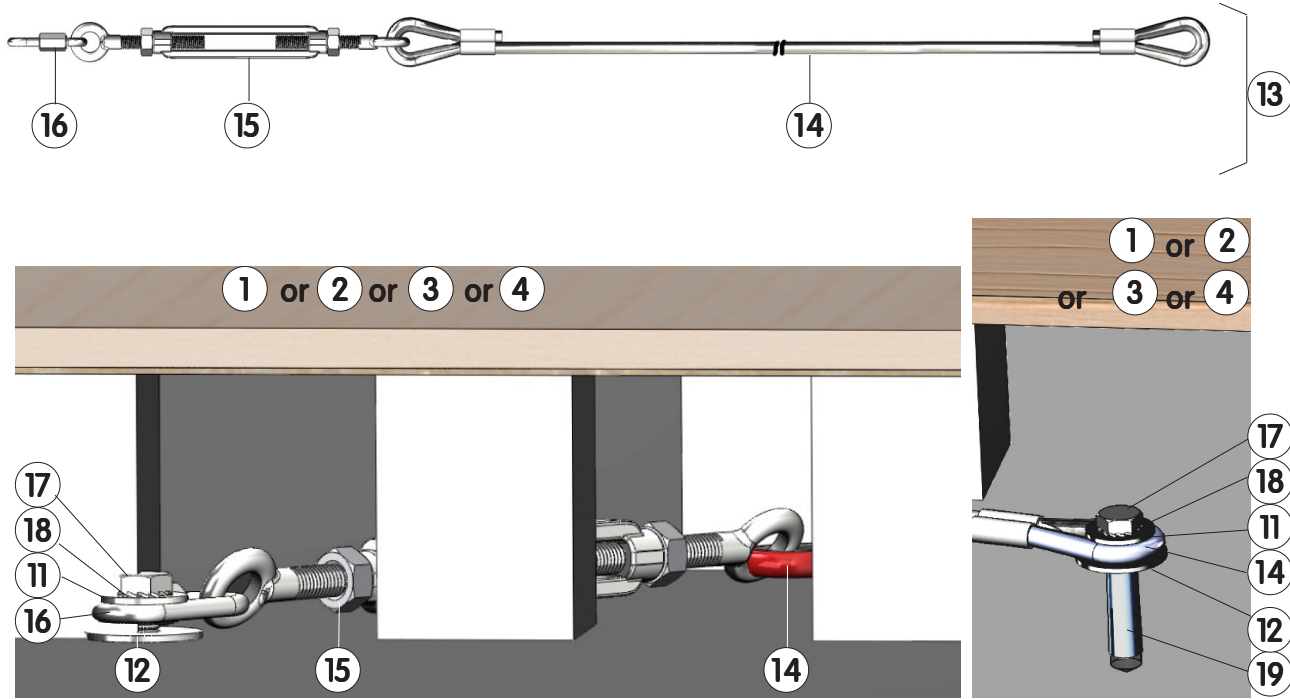


2.3. Tightening:

- To tighten the cables (13), slightly lift each angle panel (3) or (4), so as to access the tightener (15). Screw in each tightener (15) enough, so that the cable (13) no longer rests on the ground (see Fig. 10 p4).
- Fully tighten the ground attachment elements (12), (11), (18) and (17). Then, manually screw the tighteners (15), so that the cables (13) are fully tensioned. Do not forget to lock the adjustment of each tightener (15), by fully tightening the locknuts with a wrench (see Fig. 12 p4).

3 - Completing the exercise floor:

- Reinstall the floor edges.
- Install the foam, then the carpet, aligned on the floor.



The quantities mentioned here apply to one stopper cable (Ref.: 6180/27). For anti-rotation kits, quantities should be multiplied:

- By «2» → Kit Ref.: 6528C
- By «4» → Kit Ref.: 6529D

30	-	-	-	-
29	-	-	-	-
28	-	-	-	-
27	-	-	-	-
26	-	-	-	-
25	-	-	-	-
24	-	-	-	-
23	-	-	-	-
22	-	-	-	-
21	-	-	-	-
20	-	-	-	-
19	2	M10 hammer-type exp. bolt	QCEC100000	Floor attachments
18	2	External tooth lock washer dia. 10 x 18	-	Floor attachments
17	2	H M10 x 30 ZP screw	-	Floor attachments
16	2	Quick link No. 6	QMRA00006Z	1 included in 13
15	1	M10 O/O turnbuckle	QTELE1010G	included in 13
14	1	5.5 dia. cable - length : 2.26 m	-	included in 13
13	1	Adjustable stopper cable	-	each
12	2	LL 10 x 36 flat washer	-	Floor attachments
11	2	L 10 x 27 flat washer	-	Floor attachments
10	2	Pan-head chipboard screw, dia. 4 x 16	-	included in 2 & 3
9	1	M12 screw nut	-	included in 2 & 3
8	1	Bracing flat	-	included in 2 & 3
7	2	L 14 x 36 flat washer	-	included in 2 & 3
6	1	External tooth lock washer dia. 12 x 20	-	included in 2 & 3
5	1	H M12 x 25 ZP screw	-	included in 2 & 3
4	-	R.H. angle panel 2 x 1.5 m	6580/52	exercise floors
3	-	L.H. corner panel 2 x 1.5 m	6580/51	exercise floors
2	-	Center panel, 2 x 1.5 m	-	tracks
1	-	End panel, 2 x 1.5 m	-	tracks
ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS

GYMNOVA
 RUE GASTON DE FLOTTE
 13012 MARSEILLE
 Tél. : 33-(0)-4-91-87-51-20
 Fax : 33-(0)-4-91-93-86-89

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 KITS FOR GYM EXERCISE FLOORS AND
 ACROBATIC TRACKS
 M'2012**

PAR : M. CHARBONNEAU | LE : 22/05/17 | NM206C-GB | Ref. : 6180/27 - 6528C - 6529D

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To order spare parts, provide the description, part no., and delivery date of the entire apparatus.