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ISO 14001
BUREAU VERITAS
Certification**ASSEMBLY INSTRUCTIONS**

NM199d

13/06/12

**ACROBATICS AREA AND EXERCISE FLOOR
IN ARTISTIC GYMNASTICS TRACKS****6573A
6574C****KEEP THIS
DOCUMENT**

Réf.: 6574C

**Warning:**

This equipment should be installed by a qualified individual.

This apparatus should be used by only one person at a time, supervised by a qualified individual and with an appropriate landing mat or a landing pit.

Using this equipment for purposes other than those originally intended is forbidden.

Compliance:

This equipment complies with the requirements of the European standard EN 913 "Gymnastic equipment - General safety requirements and test methods".

The 14 x 14 m exercise floor ref. **6574C** is F.I.G. **approved**.

Recommendations:

As shown in French Standard NF S 52-400 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.

Storage:

Refer to the instructions for the NM06p for the high elasticity floor (Ref.: 6580A).

Always store the equipment away from moisture and heat.

It is highly advisable to roll the tracks up and to store them vertically.

Do not climb onto or place anything on top of stored equipment, for safety reasons (risk of overturning) and premature wear and tear of the floor and of the tumbling area.

Maintenance:

1 - Cleaning the apparatus regularly will make it easier to spot any problems (distortion, breakage or moisture absorption).

2 - Before use, check wear parts **each time** for proper condition and operation:

- a visual check on the presence of the 6 Velcro links **(2)**, of the 4 marking Velcro strips **(3)** and on the condition of the 7 roll-up tracks **(1)** (securing of the Gymnova pads **(4)**, of the 4 Anti-Rotation Kit strips **(5)**).
- condition of the floor (timber, links & high-elasticity mounts) (cf. NM06p).

3 - 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.

Packaging:**Tumbling area alone (Ref.: 6573A):**

- 7 Pack (ref.: 6160/12): 14.10 x 2 m tumbling track - Thickness: 4 cm - Weight: 56 Kg - Size: 2 x ø1m dia. - Volume: 1.50 m³
- 1 Pack (ref.: 6574/10): Accessories (linking & marking Velcro strips + Gymnova pads + Anti-Rotation Kit) - Weight: 6 Kg - Size: 0.50 x 0.35 x 0.30 m - Volume: 0.0525 m³
- 1 Pack (ref.: 6574/20): 2 m ruler for cutting - Weight: 2 Kg - Size: 2 x 0,1 x 0,02m - Volume: 0,004m³

Exercise floor, complete (Ref.: 6574B):

- 13 x 13 - 10 cm thick high elasticity floor (Ref.: 6580A) -> Detailed packaging: refer to instructions NM06.
- Floors Anti-Rotation kit - 4 ajustable cables (Ref.: 6529D) -> Weight: 3,5Kg - Size: 100 x 305 x 345mm - Volume : 0,01m³
- Tumbling area (Ref.: 6573A) -> Detailed packaging: see above.

I. Assembling the 14 x 14 m Exercise floor (Ref. 6574C):

Refer to assembly instructions for NM06.

II. Assembling the Tumbling area (a minimum of 2 people are needed):

Note: Prepare a clean area to assemble and set up the tracks.

1 - Installation without floor: determine the position of the area by marking out its perimeter on the ground, i.e. a 14 x 14 m square (Check diagonal length: 19.80 m).

Installation with floor: marking out done before assembling floor (refer to instructions for NM06).

Installing the Foam Anti-Rotation Kit: place the 4 black pads **(5)** with the felt side on the Velcro strips, which are on the large 2 x 1.50 m corner panels on the high elasticity floor.

2 - Roll out the 7 tracks **(1)** in situ so they flatten out and revert to their original length (≥ 14 m).

3 - Align a track **(1)** to one side of the outline, starting from a datum corner, as shown in **Fig. 1**.

4 - Align the other 6 tracks side by side on the ground, taking care not to move the first one. Mark off all the tracks to a length of 14 m transferring the line to the ends of the tracks (see **Fig. 1**), using the supplied 2m ruler **(6)**, and a cutting tool of the utility knife type (be careful not to damage the underlying floor).

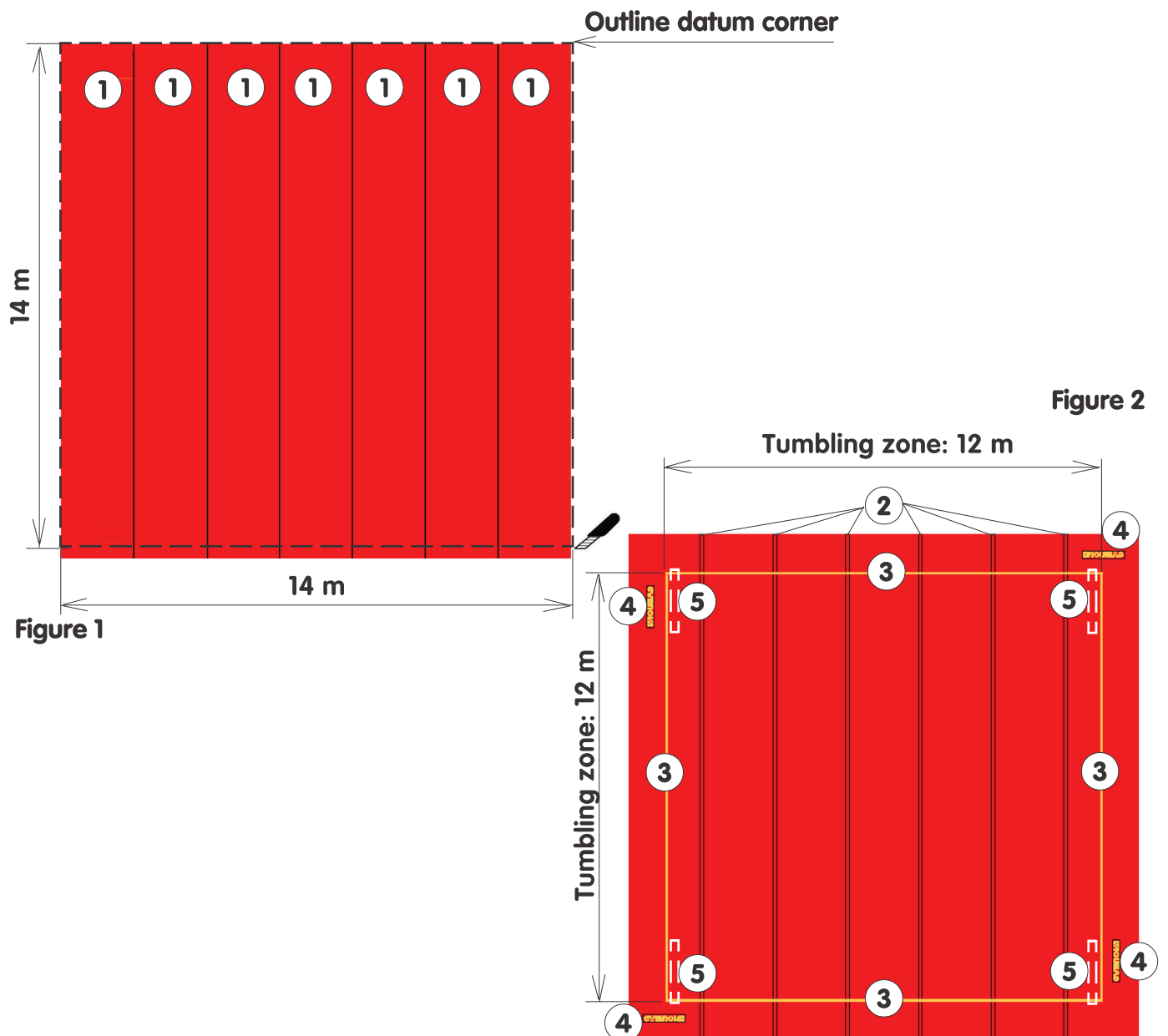
5 - Ensure that the tracks **(1)** are butted together correctly before joining them together, as shown in **Fig. 2**. In order to shift a track, all it requires is to have one person at each end and to lift it alternately in order to force air in waves underneath. Readjust its position by pulling in the desired direction.

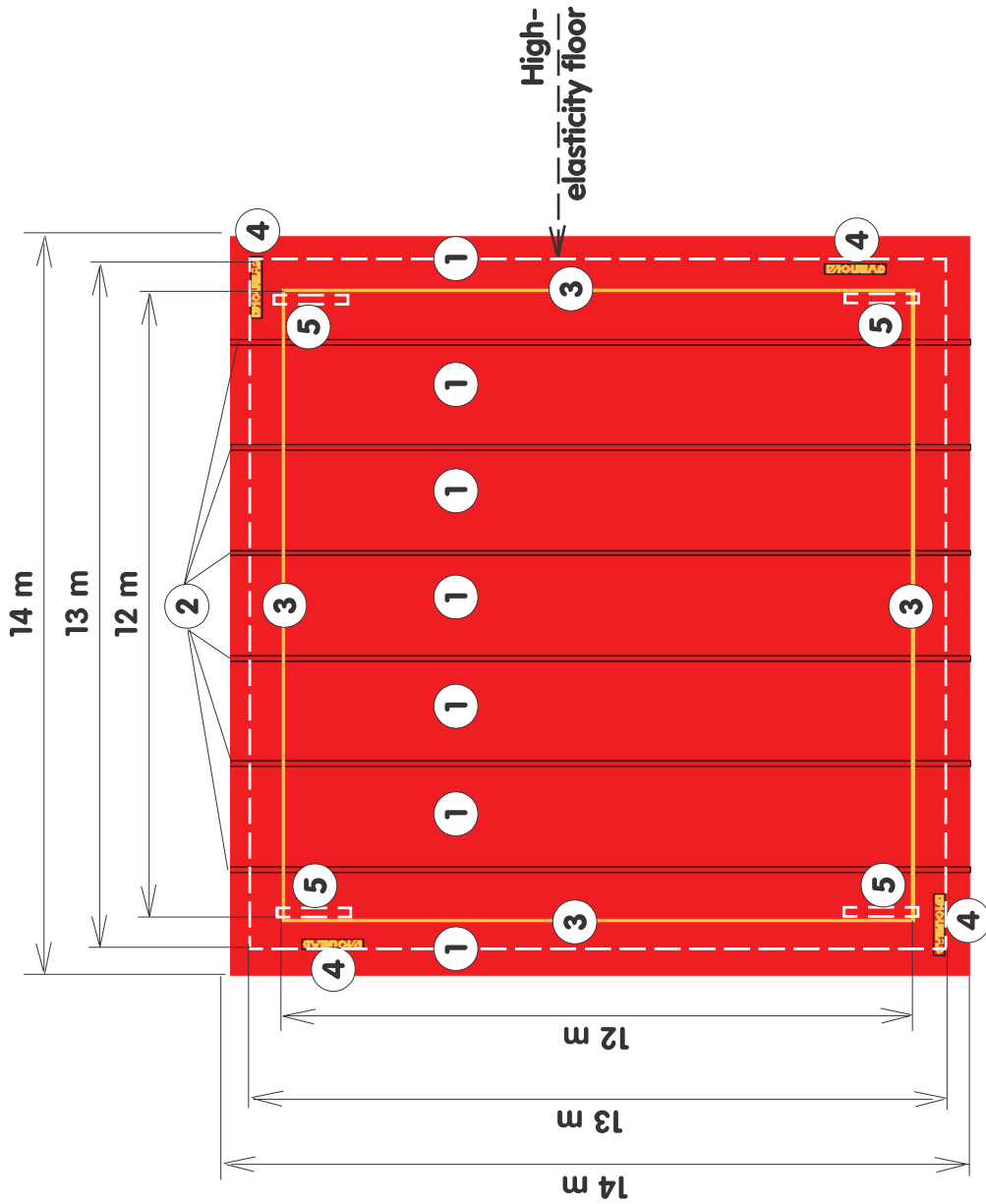
6 - Unwind then draw tight each of the 6 red Velcro strips **(2)** (10 cm wide), straddling each joint between the tracks, then apply the strips **(2)** firmly over their full length.


7 - Apply the 4 beige Velcro strips **(3)** (5 cm wide), in order to mark out the 12 x 12 m central zone (the strips are to be positioned within the zone), as shown in **Fig. 2**.

8 - Position the 4 Gymnova markings **(4)** outside the tumbling area, 1 in each corner (see **Fig. 2**).

9 - Finishing the foam Anti-Rotation Kit: lift the corners of the tumbling area over 3 m in order to access the pads **(5)** (see **Fig. 2**) and remove the protective film from the adhesive. Apply the tracks gradually in order to maintain their flatness to the floor.





ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS
30	-	-	-	-
29	-	-	-	-
28	-	-	-	-
27	-	-	-	-
26	-	-	-	-
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14	-	-	-	-
13	-	-	-	-
12	-	-	-	-
11	-	-	-	-
10	-	-	-	-
9	-	-	-	-
8	-	-	-	-
7	-	-	-	-
6	1	2m Ruler for cutting	6574/20	Pack
5	4	Floor Anti-Rotation Kit felt	TNTI0250AD	4 lengths, 1.50 m
4	4	Gymnova logo pad	6574/11	each
3	4	Velcro marking strip, 5 cm, beige	TTIC0050BE	4 lengths, 12 m
2	6	Velcro linking strip, 10 cm, red	6574/15	length: 14 m
1	7	Tumbling track, 14.1 x 2 x 0.04 m	6160/12	each
ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS
 ACROBATICS AREA AND EXERCISE FLOOR IN ARTISTIC GYMNASTICS TRACKS				
BY: J. BRIOT		DATE: 13/06/12	NM199d	Ref.: 6573A - 6574C
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To order spare parts, please provide the description, reference and delivery date of the entire apparatus.

EXERCISE FLOORS FOR ARTISTIC GYMNASTICS

6570E - 6580A
6565F - 6595A



Warning:

This equipment should be installed by a qualified individual.

The apparatus should only be used by one person at a time, under the supervision of a qualified individual.

Using this equipment for purposes other than those originally intended is forbidden.

Compliance:

This equipment complies with the requirements of the European standard EN 913 "Gymnastic equipment - General safety requirements and test methods".

The 14 x 14m exercise floor reference **6570** is **F.I.G. approved**.

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.

Composition:

1/ 14 x 14 m exercise floor (Ref.: 6570E):

- 14 x 14 m overlay carpet (Ref.: 6380C) -> Detailed packaging: refer to instructions NM254.
- 13.5 x 13.5 m impact-absorbing foam (Ref.: 6542A) -> Detailed packaging: refer to instructions NM253.
- 13 x 13 m high elasticity floor (Ref.: 6580A)
- Anti-Rotation Kit for floors - 4 adjustable cables (Ref.: 6529D) -> Size: 100 x 305 x 345 mm - Volume: 0.01 m³ - Weight: 3,5 Kg

2/ 13.20 x 13.20 m exercise floor (Ref.: 6565F):

- 13.15 x 13.15 m overlay carpet (Ref.: 6390C) -> Detailed packaging: refer to instructions NM254.
- 12.6 x 12.6 m impact-absorbing foam (Ref.: 6572A) -> Detailed packaging: refer to instructions NM253.
- 12.5 x 12.5 m high elasticity floor (Ref.: 6595A)
- Anti-Rotation Kit for floors - 4 adjustable cables (Ref.: 6529D) -> Size: 100 x 305 x 345 mm - Volume: 0.01 m³ - Weight: 3,5 Kg

Packaging:

Ref.	6580/50 Pallet of 24 panels + KAR Foam	6580/41 Edge set 2 x 0.5 m + Corners	6580/42 Edge set 2 x 0.5 m	6580/43 Edge set 1.5 x 0.25 m	659/13 Set of 30 sections Length 44 cm	6590/15 Set of 28 sections Length 1.80 m	6590/16 Set of 29 sections Length 1.30 m	660/20 Set of 68 plates	No. of Pack- ages
6580A High-elasticity floor 13 x 13 m	2	1	1	2	1	2	2	1	12
Volume (m³) Weight (kg) Dimensions (mm)	4.35 722 2000 x 1500 x 1450	0,440 69 2000 x 440 x 500	0,440 69 2000 x 440 x 500	0,215 34 1500 x 500 x 320	0,0088 4 460 x 160 x 120	0,0324 20 1800 x 180 x 100	0,0215 15,50 1300 x 150 x 110	0,0302 3 410 x 320 x 230	

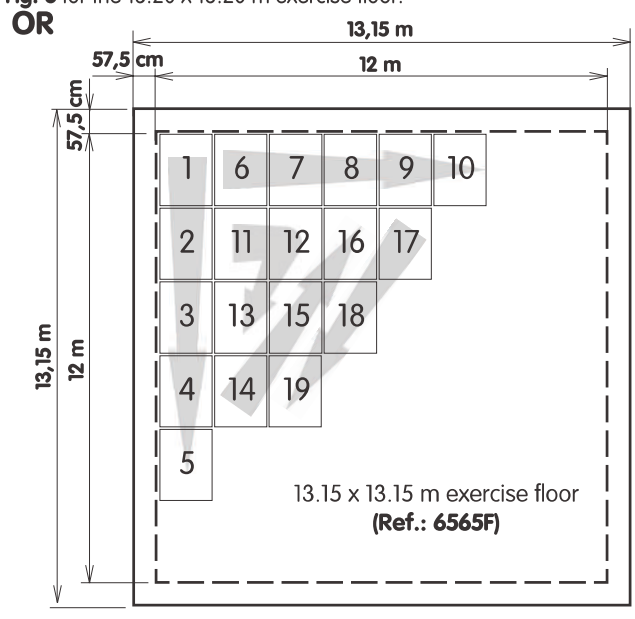
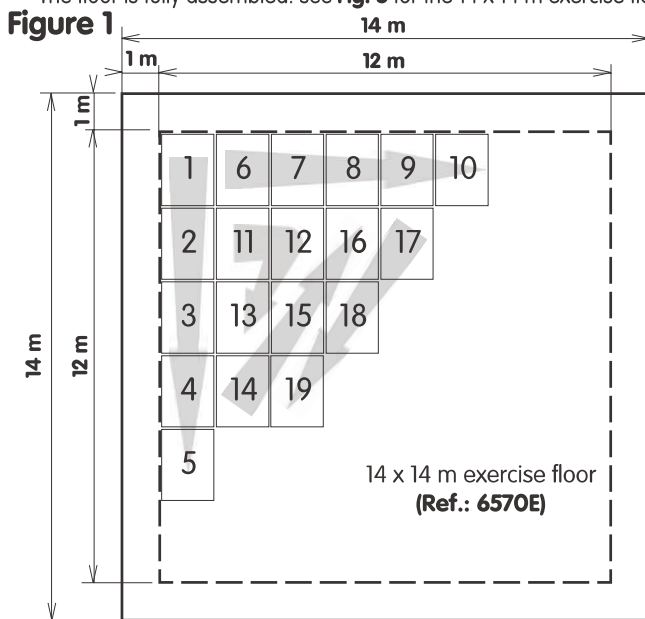
Ref.	6580/50 Pallet of 24 panels + KAR Foam	6590/51 Edge set 2 x 0.25 m	6590/52 Edge set 1.5 x 0.25 m	6590/53 Edge set 2 x 0.25 m + Corners	659/14 Set of 30 sections Length 19 cm	6590/15 Set of 28 sections Length 1.80 m	6590/16 Set of 29 sections Length 1.30 m	660/20 Set of 68 plates	No. of Pack- ages
6595A High-elasticity floor 12.5 x 12.5 m	2	1	2	1	1	2	2	1	12
Volume (m³) Weight (kg) Dimensions (mm)	4.35 722 2000 x 1500 x 1450	0,215 38 2000 x 430 x 250	0,124 20 1500 x 330 x 250	0,215 34 2000 x 430 x 250	0,0088 4 460 x 160 x 120	0,0324 20 1800 x 180 x 100	0,0215 15,50 1300 x 150 x 110	0,0302 3 410 x 320 x 230	

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I. Assembling the floor: A minimum of 2 people are needed.

Important: Check that the storage spacers have been fully removed on assembly (retain them for future storage).

- 1 - Determine the position of the complete exercise floor by marking out its perimeter on the floor (as shown in Fig. 1), i.e. a square measuring:
 - 14 x 14 m for reference 6570E (Check on diagonal length: 19.80 m).
 - 13.15 x 13.15 m for reference 6565F (Check on diagonal length: 18.60 m).
- 2 - Next mark out a square measuring 12 x 12 m (Check on diagonal length: 16.97 m) centered within the first one: position of the floor without the edges (see Fig. 1).
- 3 - Prepare the 4 corner panels (2) and (2') which include a 1.50 m Velcro strip on one width and fixation system of anti-rotation kit (16): assemble the 4 cables with NM206 assembly instructions (supplied in package ref.: 6529D).
- 4 - Assemble the 48 floor panels (2 x 1.50 m) 2 of which are left corner panels (2), and 2 right corner panels (2'). Start on the 12 m side from a corner, with a corner panel (2) or (2') and its Velcro strip towards the outside (see Fig. 2, 5 or 6). Assemble a minimum of 4 panels on each side starting from the corner, then fan out with the panels (1) following the sequence shown in Fig. 1.
- 5 - Fit locking plates (10) and sections (7) and (8) as assembly of the floor panels (1), (2) and (2') progresses. In order to fit them without difficulty, it is important that sections (7) and (8) are centered relative to floor panels (1), (2) and (2'). In the event that a section (7) or (8) is not centered correctly, adjust it by hand or using a wooden block and a mallet if necessary. **Warning: Do not forget to lock each link plate (10) by turning the catch from "O" to "F" (see Fig. 3).**
- 6 - Fitting the edges (see Fig. 4):
 - For reference 6570E: fit the 4 corner edges 2 x (5) and 2 x (6), the 12 long edges (3) and the 12 short edges (4).
 - For reference 6565F: fit the 4 corner edges 2 x (13) and 2 x (14), the 12 long edges (11) and the 12 short edges (12).
 The floor is fully assembled: see Fig. 5 for the 14 x 14 m exercise floor or Fig. 6 for the 13.20 x 13.20 m exercise floor.



marking the carpet outline

marking the outline of the 48 floor panels

Figure 2

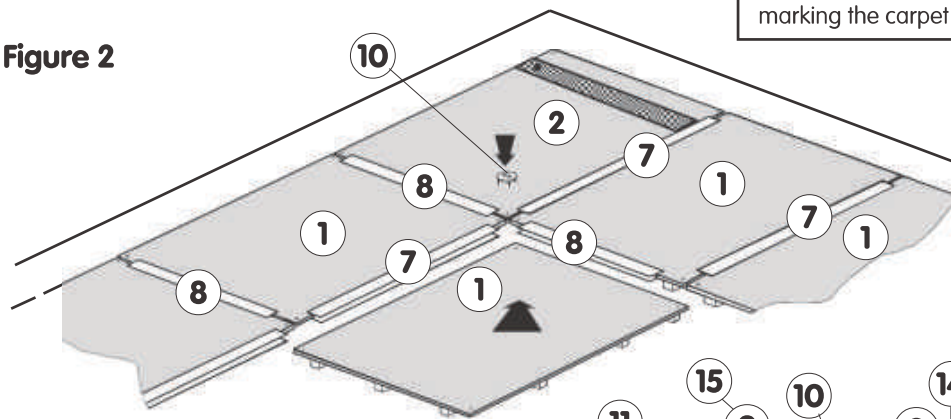
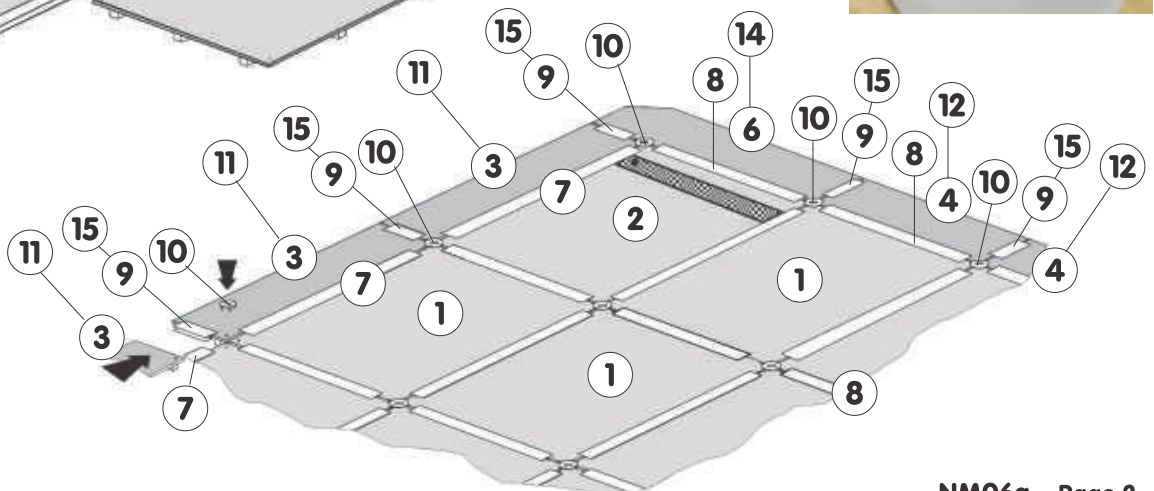


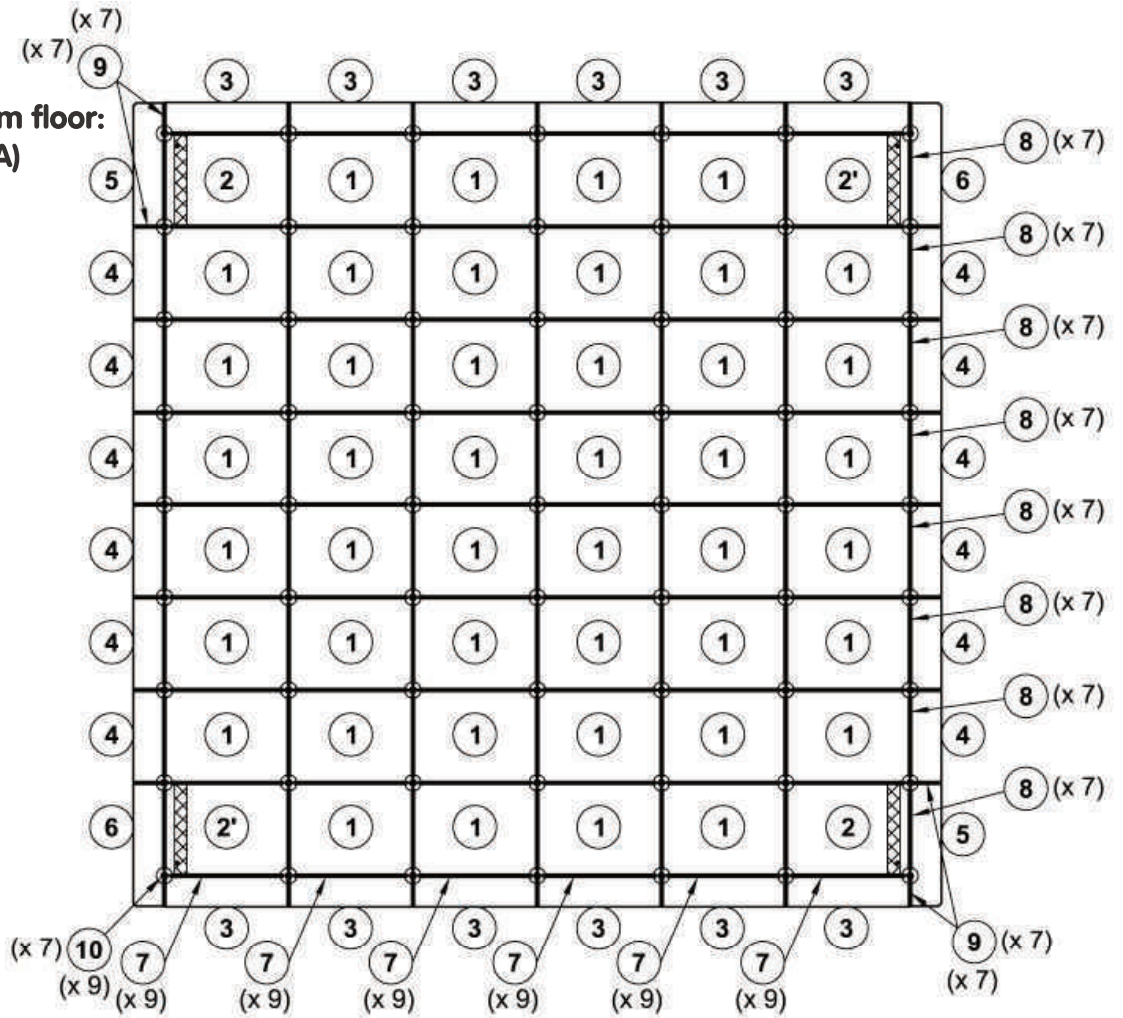
Figure 3



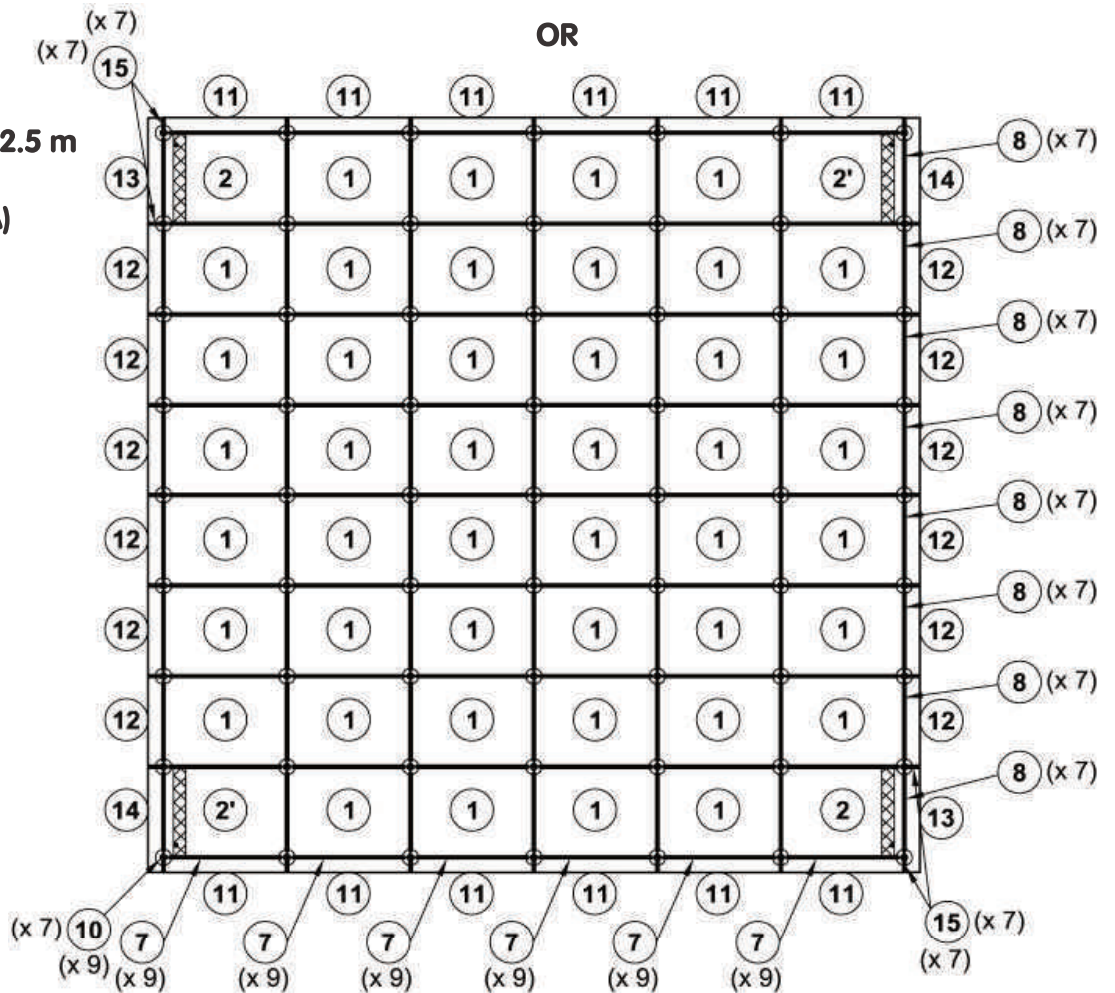
Figure 4



Complete 13 x 13 m floor:
 (Ref.: 6580A)
 Figure 5



Complete 12.5 x 12.5 m floor:
 (Ref.: 6595A)
 Figure 6



II. Assembling the Impact-absorbing Foam Area.

Refer to assembly instructions for NM253.

III. Assembling the Overlay carpet:

Refer to assembly instructions for NM254.

IV. Disassembly and storage of High elasticity floor:

- Unlock link plates (10) and remove them (lift them if necessary using a large flat-blade screwdriver).
- Slide sections (9) or (15), (7) and (8) along the length of the panels and the edges before disassembling the various components.

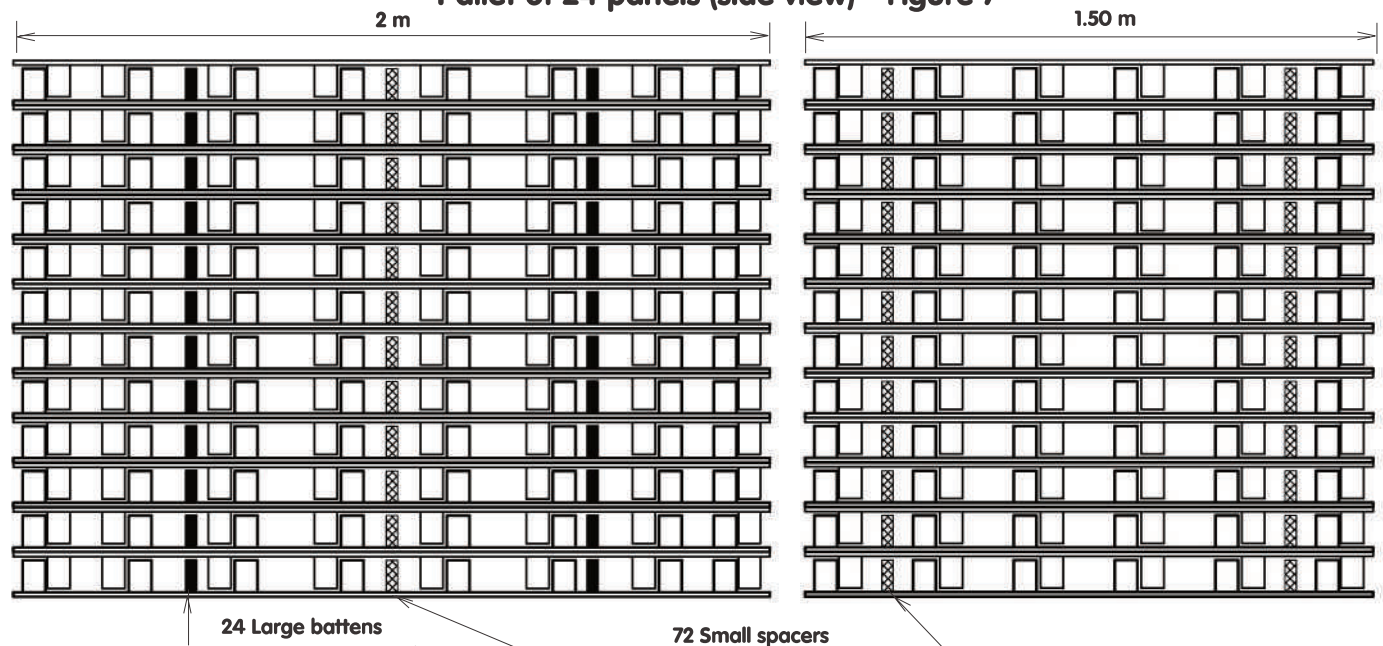
1 - Frequent storage for short periods:

It is highly advisable to store the panels **fully vertically**, nested together 2 by 2.

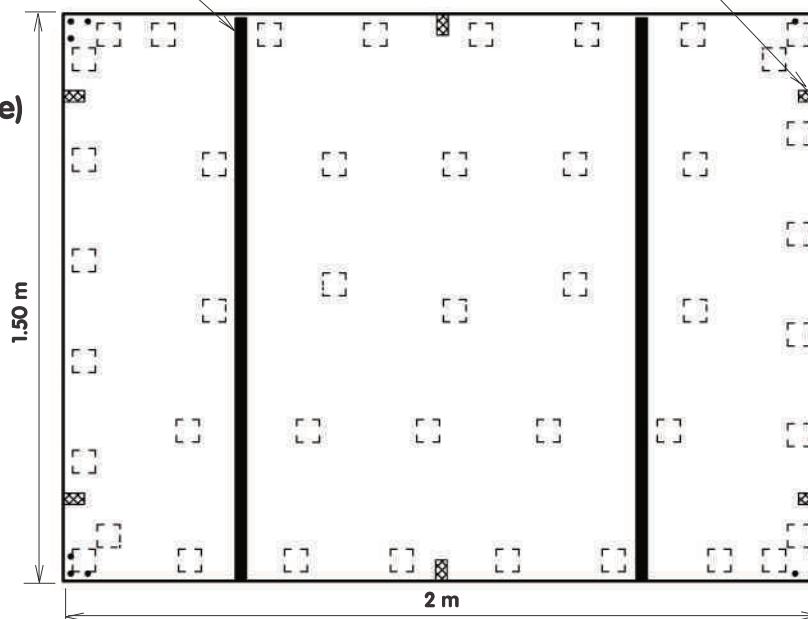
2 - Extended storage (as shown in Fig. 7 and 8):

- It is imperative that the panels be stacked **horizontally**, nested together 2 by 2: stack the panels up to a maximum of 24 high.
- Finish by stacking corner panels (2) and (2') which are equipped with fixation system of anti-rotation Kit.
- Reuse the small spacers and the large battens supplied on delivery, otherwise permanent damage to the resilience the floor derives the foam blocks may result.

Pallet of 24 panels (side view) - Figure 7



**Pallet
(viewed from above)
Figure 8**

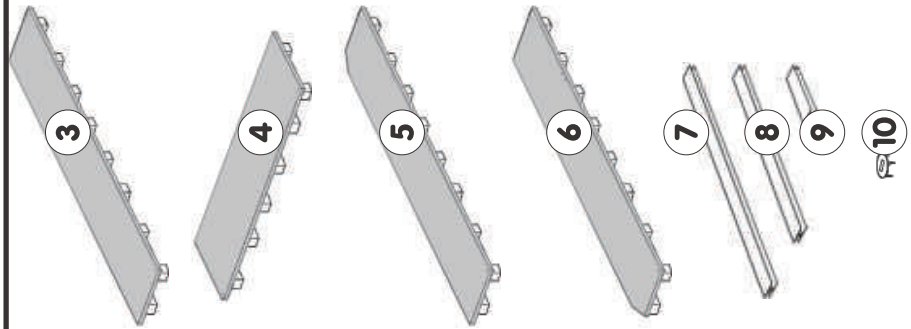
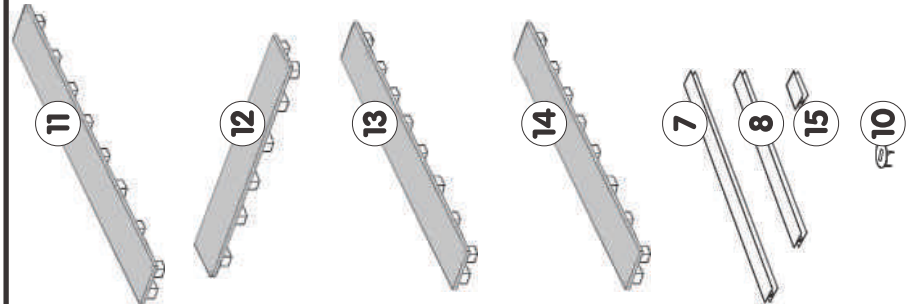
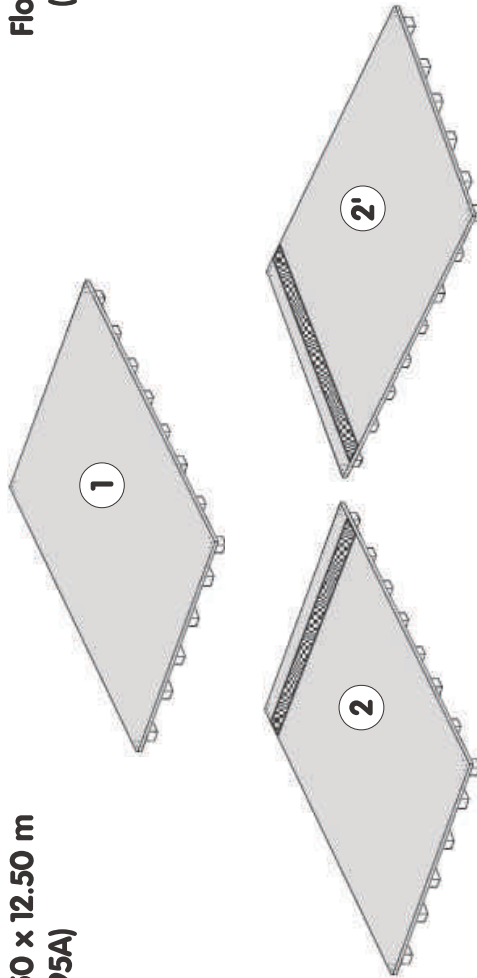


V. Maintenance:

- Regular cleaning of the exercise makes it easier to see any problems, (distortion, breakage or moisture absorption).
- Check the presence and condition: of sections (9) or (15), (7) and (8) and of link plates (10) as well as their locking.
- Check the condition of the floor (timber and high-elasticity foam blocks), of the foam tracks (cf. NM253), and of the carpet (cf. NM254).
- Any damaged or distorted component should be replaced as soon as possible.

**Floor, 12.50 x 12.50 m
(Ref.: 6595A)**

**Floor, 13 x 13 m
(Ref.: 6580A)**



ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS
29	-	-	-	-
28	-	-	-	-
27	-	-	-	-
26	-	-	-	-
25	-	-	-	-
24	-	-	-	-
23	-	-	-	-
22	-	-	-	-
21	-	-	-	-
20	-	-	-	-
19	-	-	-	-
18	-	-	-	-
17	-	Repairing Kit for exercise floor	6537	cf. NM205
16	1	Anti-Rotation Kit for exercise floor	6529D	cf. NM206
15	28	Linking section, 19 cm long	659/08	Ex. floor, 13.20 x 13.20 m
14	2	L.H. corner edge, 1.75 x 0.25 m	6595/14	Ex. floor, 13.20 x 13.20 m
13	2	R.H. corner edge, 1.75 x 0.25 m	6595/13	Ex. floor, 13.20 x 13.20 m
12	12	Short edge, 1.50 x 0.25 m	6595/12	Ex. floor, 13.20 x 13.20 m
11	12	Long edge, 2.00 x 0.25 m	6595/11	Ex. floor, 13.20 x 13.20 m
10	63	Locking plate	660/14	for 2 Exercise floors
9	28	Linking section, 44 cm long	659/03	Ex. floor, 14.00 x 14.00 m
8	56	Linking section, 1.30 m long	659/06	for 2 Exercise floors
7	54	Linking section, 1.80 m long	659/05	for 2 Exercise floors
6	2	L.H. corner edge, 2 x 0.50 m	6580/18	Ex. floor, 14.00 x 14.00 m
5	2	R.H. corner edge, 2.00 x 0.50 m	6580/17	Ex. floor, 14.00 x 14.00 m
4	12	Short edge, 1.50 x 0.50 m	658/03	Ex. floor, 14.00 x 14.00 m
3	12	Long edge, 2.00 x 0.50 m	658/02	Ex. floor, 14.00 x 14.00 m
2'	2	Right Corner plate 2x1.50m+KAR	6580/52	for 2 Exercise floors
2	2	Left Corner plate 2x1.50m+KAR	6580/51	for 2 Exercise floors
1	44	Floor plate, 2.00 x 1.50 m	658/01	for 2 Exercise floors
ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS

Gymnova

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**EXERCISE FLOORS FOR ARTISTIC
GYMNASTICS**

BY : J. BRIOT

DATE : 06/05/10

NM06g

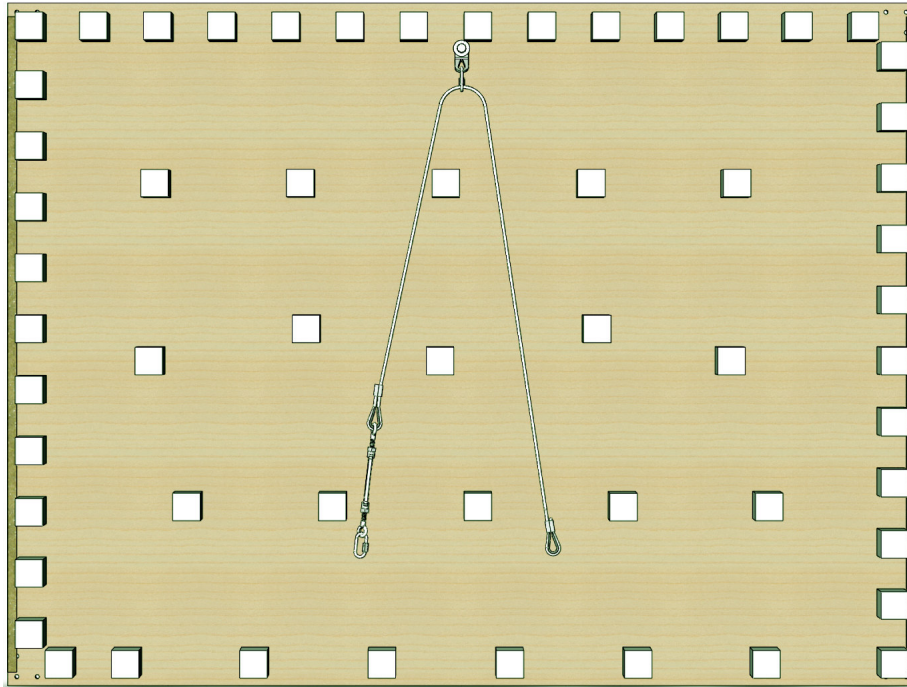
Ref. : 6570E - 6580A - 6565F - 6595A

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

6180/27
6528C - 6529D

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**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)

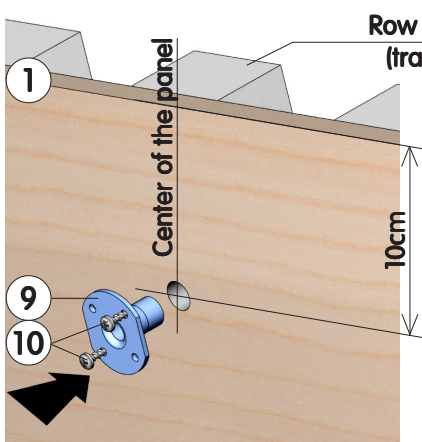


Figure 2
End panel
(Bottom view)

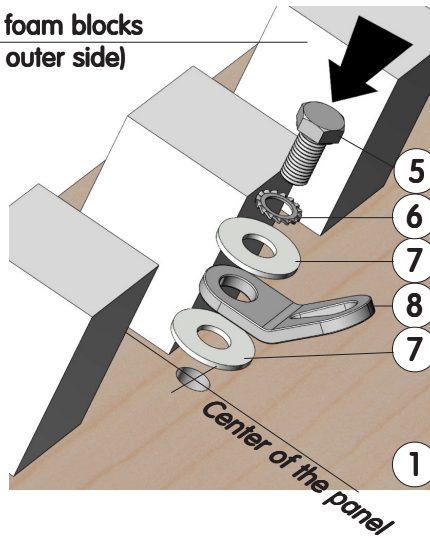


Figure 3
End panel
(Side view)

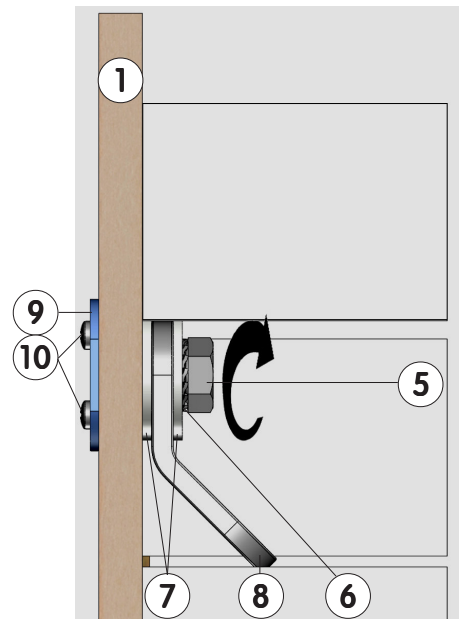
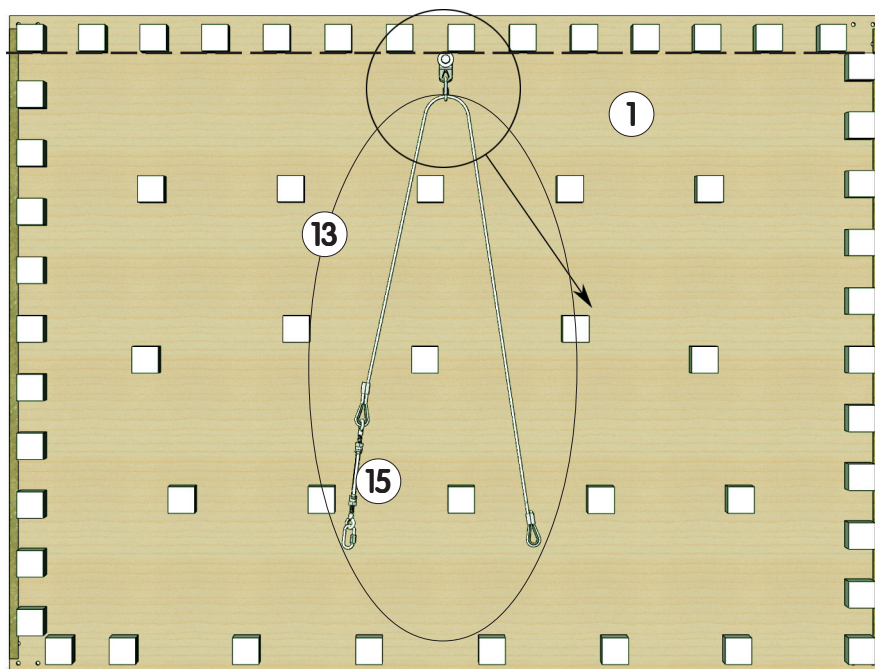
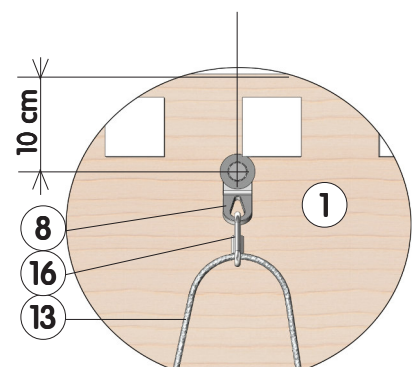


Figure 4
End panel with cable fitted
(Track width)



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).

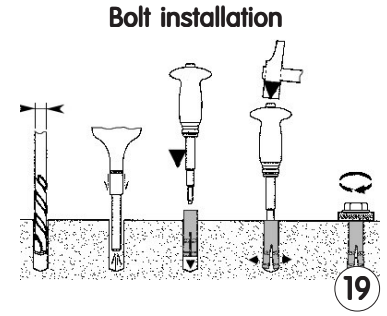


Figure 6
End panel for 2 m wide track

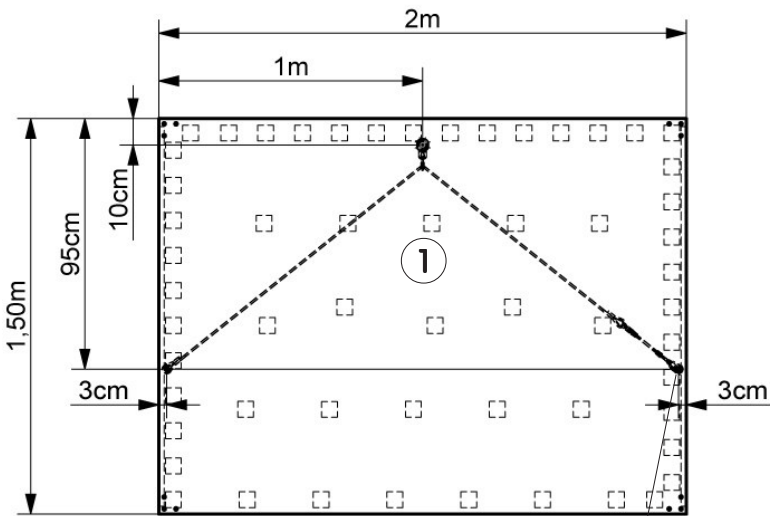


Figure 6a
2 m wide track

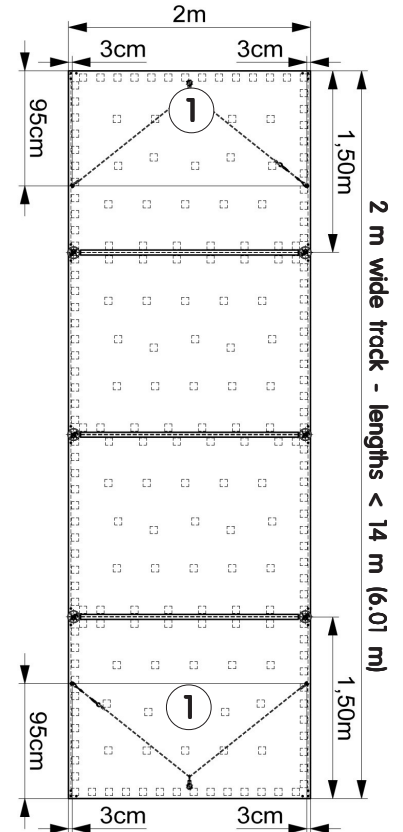


Figure 7
End panel for 1.50 m wide track

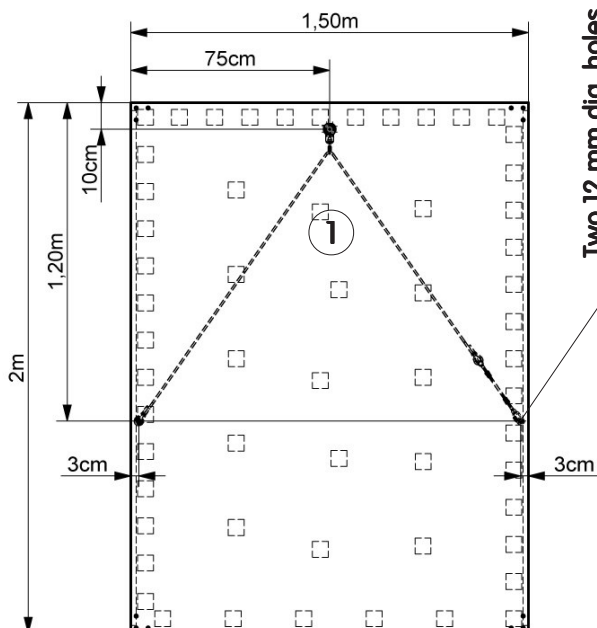
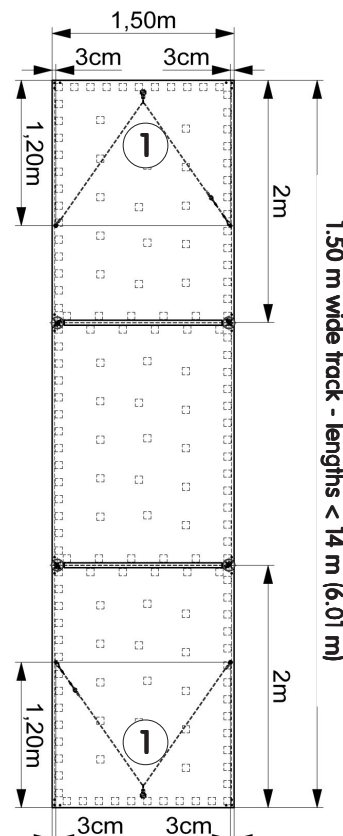


Figure 7a
1.50 m wide track



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

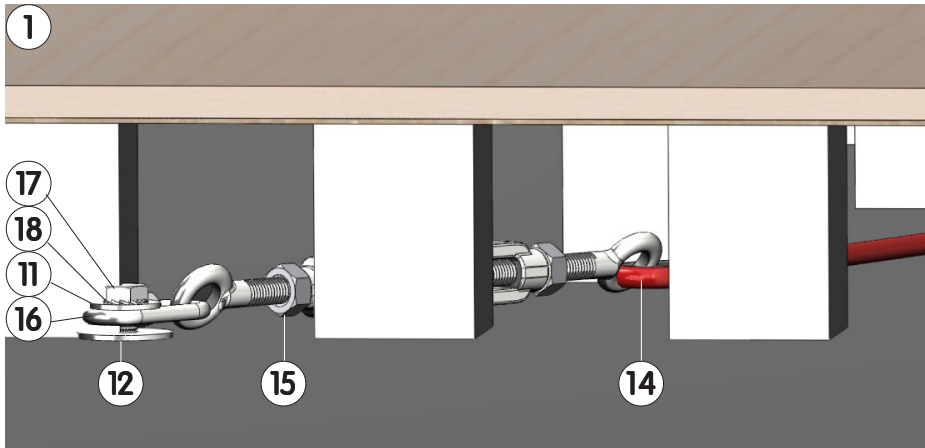
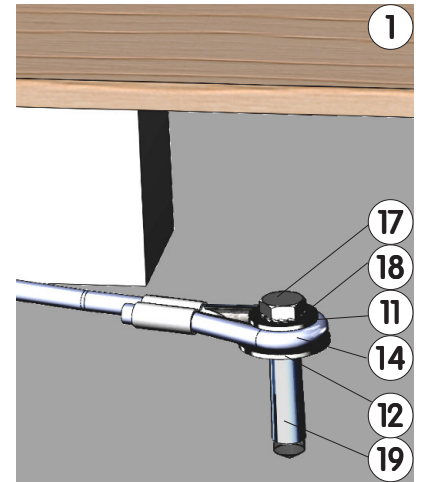


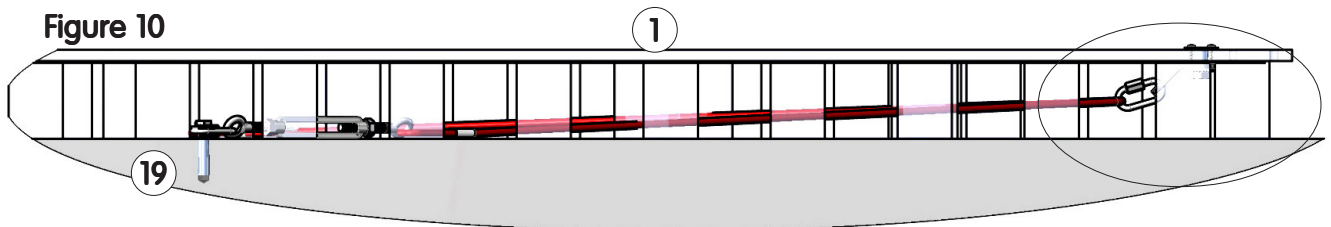
Figure 9



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

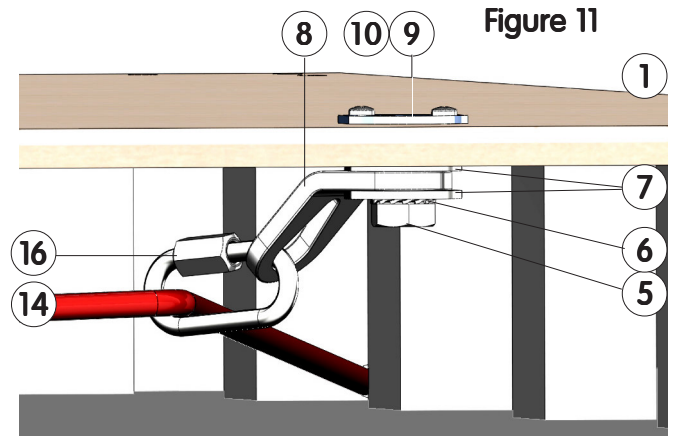


Figure 12



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

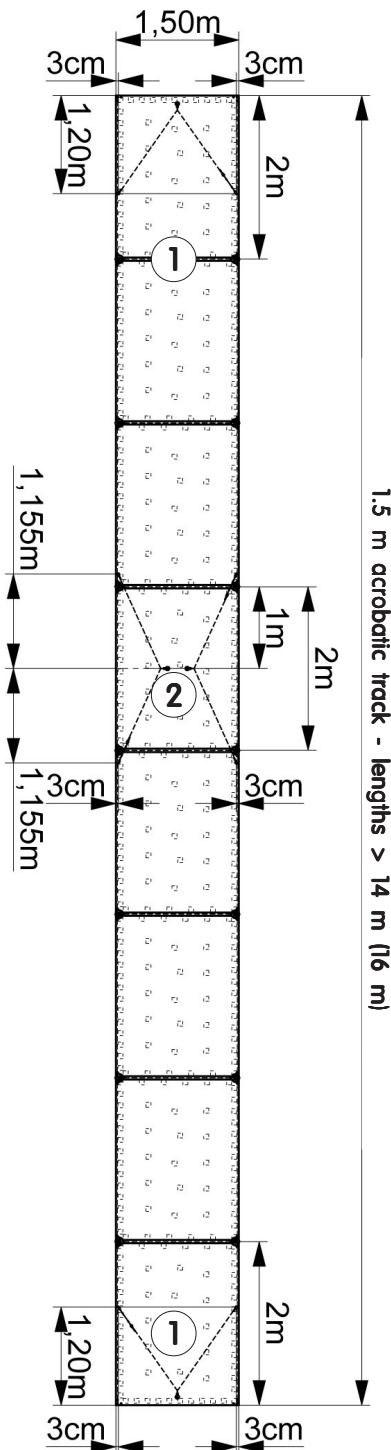


Figure 13
Center panel for 2m wide track

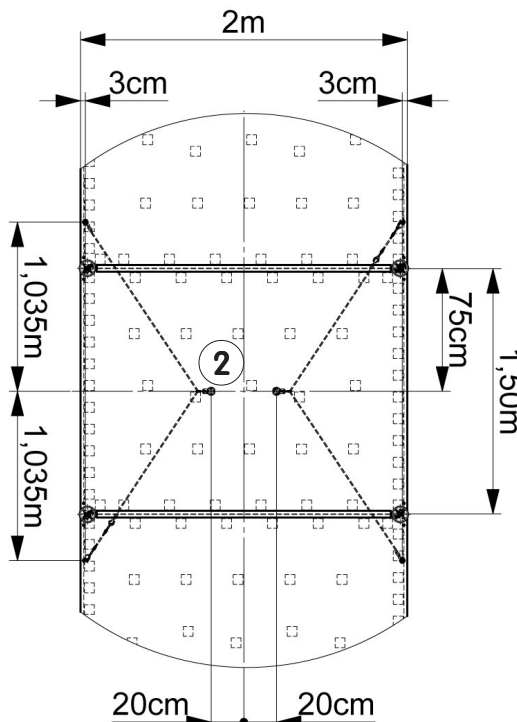


Figure 13a
2 m wide track

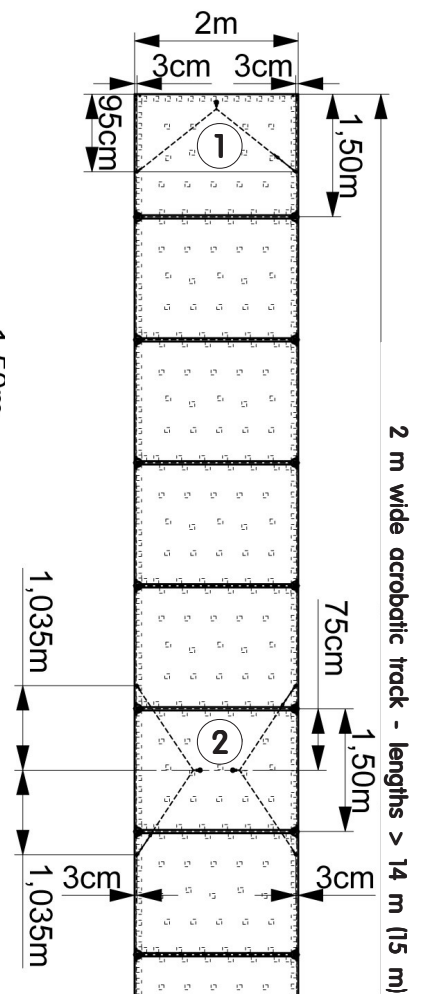
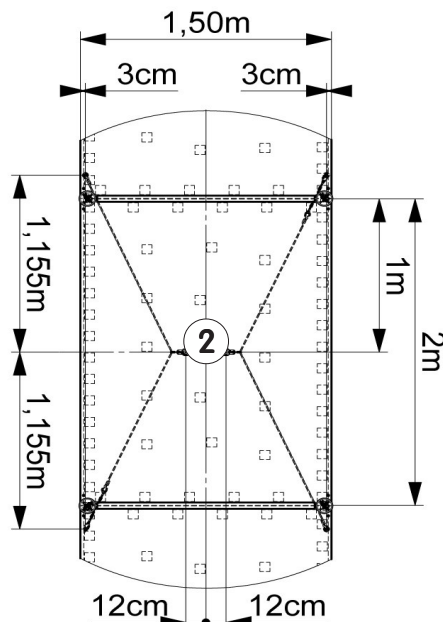


Figure 14
Center panel for 1.50 m wide track



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

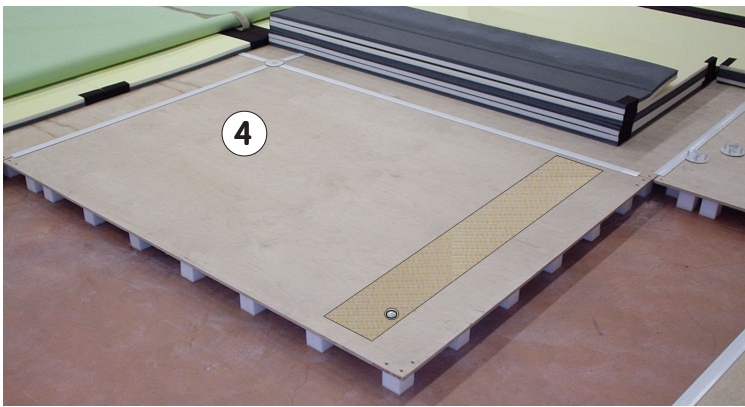


Figure 16
Complete angle of the exercise floor

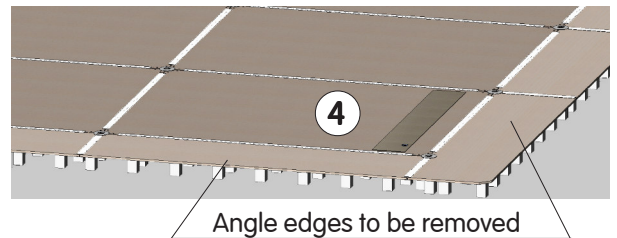


Figure 19
Direction of the bracing flat
(bottom view)

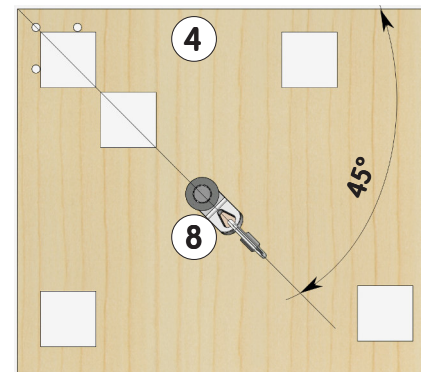


Figure 17
Outer corner of the angle panel
(top view)

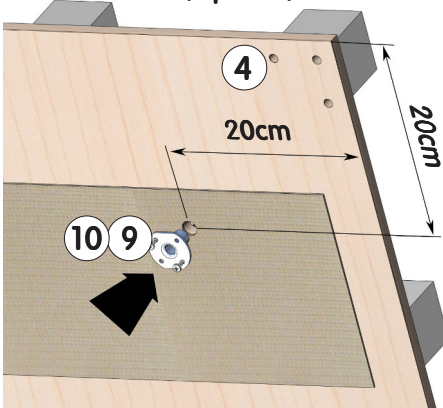


Figure 18
Outer corner of the angle panel
(bottom view)

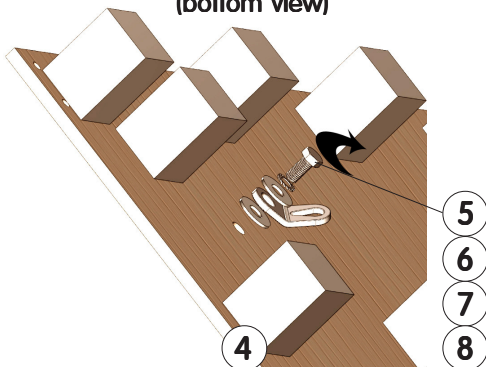
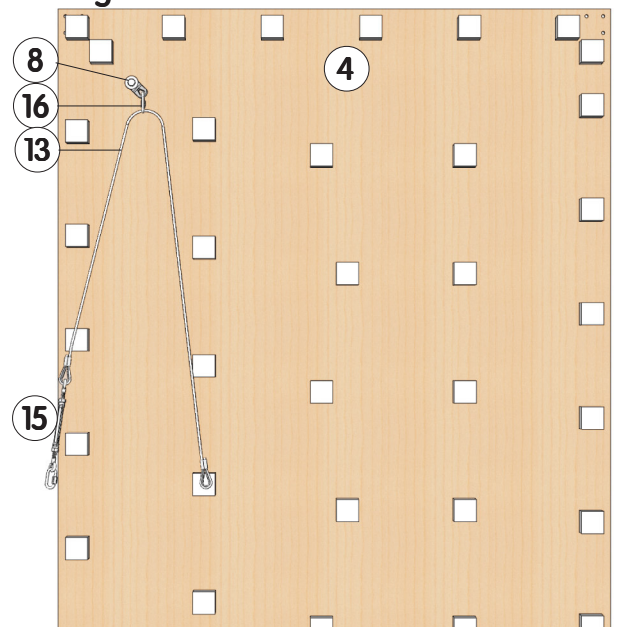


Figure 20



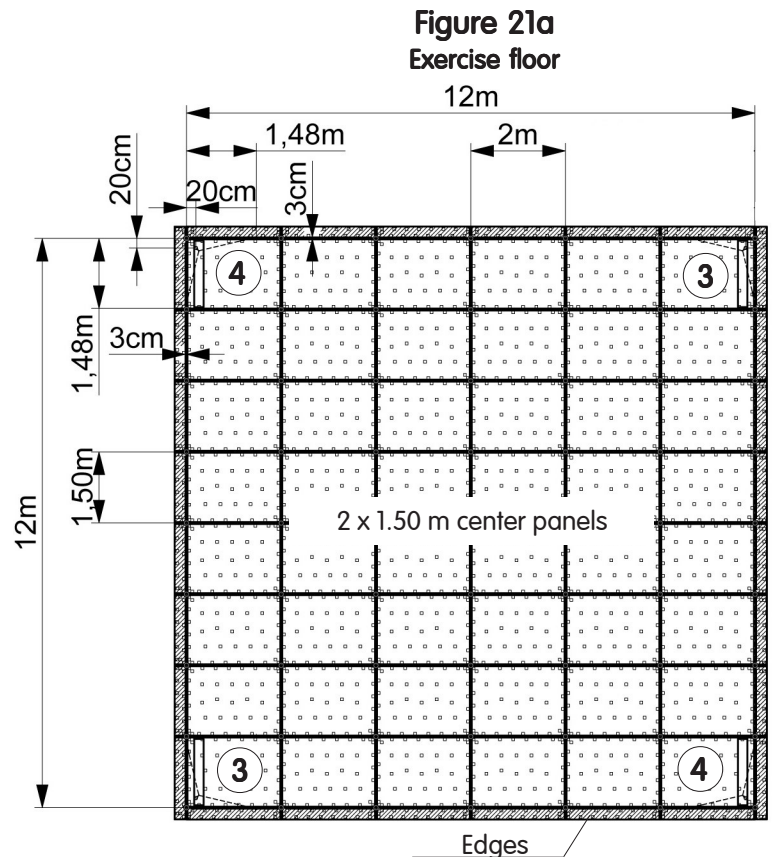
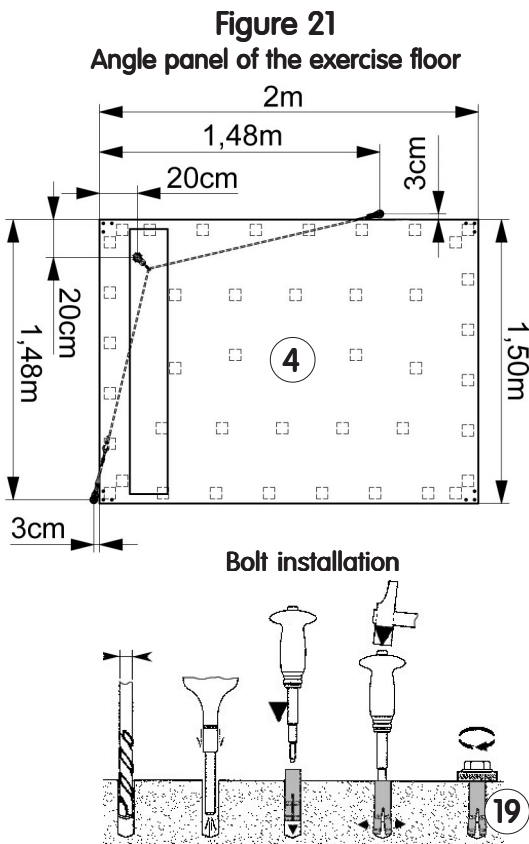
2 - Securing the floor to ground:

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.

Figure 22

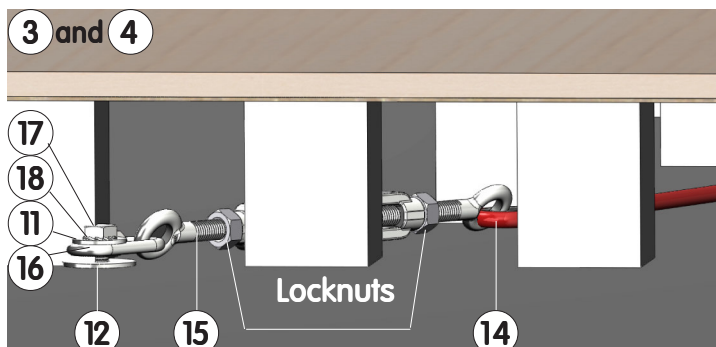
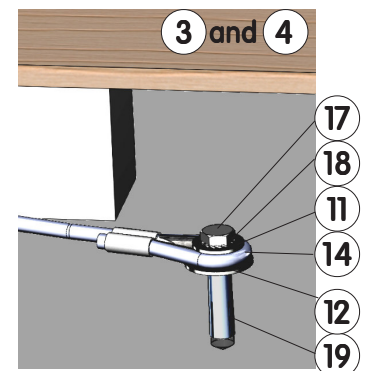


Figure 23

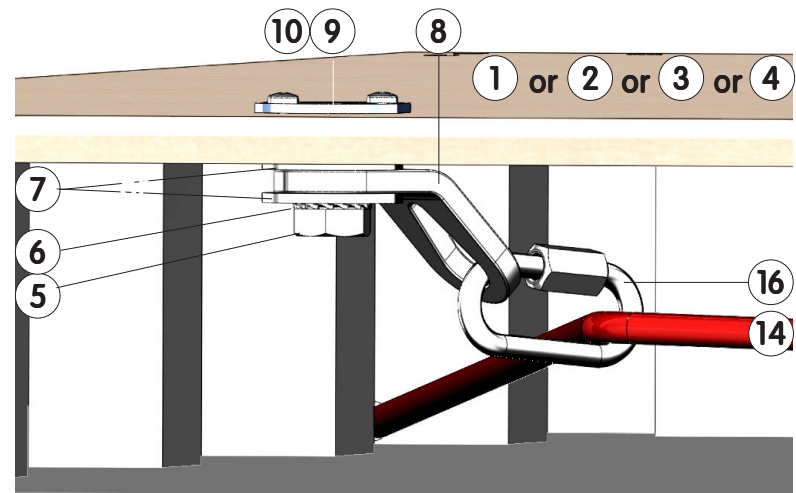
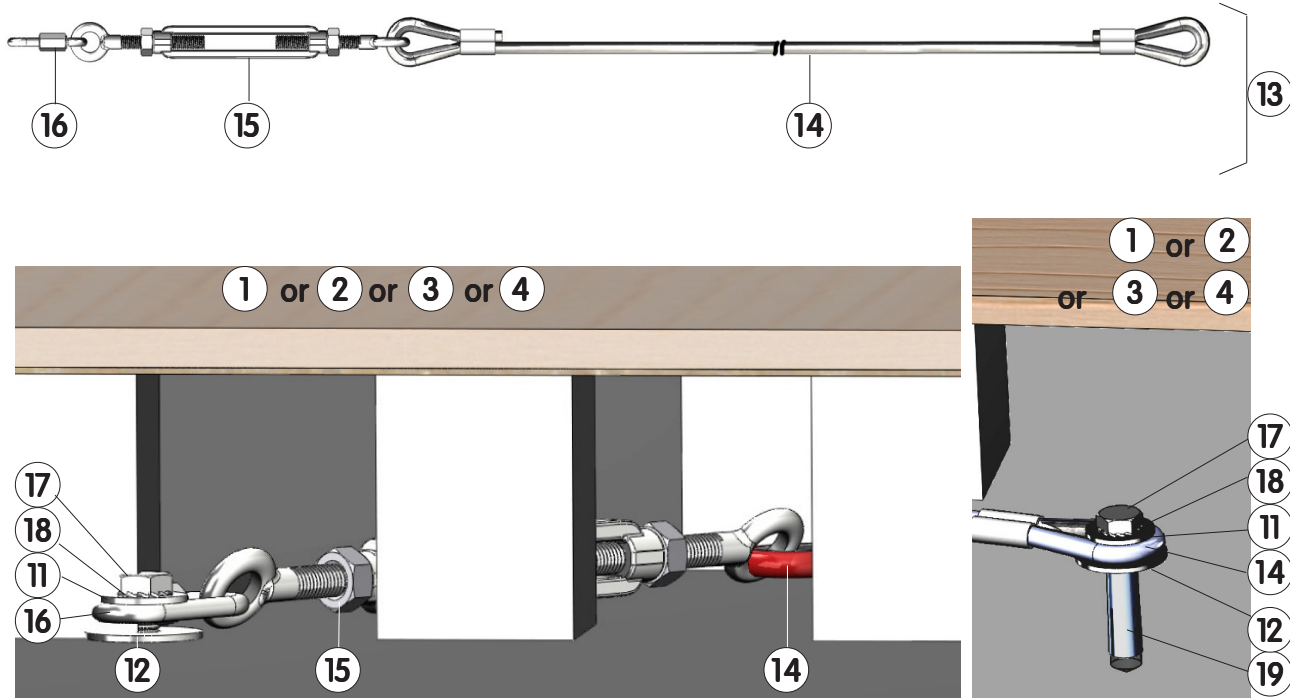


2.3. Tightening:

- 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

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

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

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

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