

ANCHOR TO BE CEMENTED WITH RETRACTABLE HOOK

2000A
2001
2002

KEEP THIS DOCUMENT



Type of anchor:

The maximum working load (MWL) of this anchor is 800 daN.
It is of the omnidirectional type, so it can be used in any direction.
It is designed for bracing exercise equipment and anchoring certain public sports equipment to the ground (check the loads imparted to the anchor with the equipment manufacturer).
Note: put up an equipment anchor bolt layout drawing in full view of users.

Warning:

This equipment must be installed by a qualified person in a base material in accordance with CC22.

In view of the risks associated with the implementation of these safety elements, a Gymnova self-checking procedure (PT24) in accordance with the standard NF S52-400, is necessary to meet their compliance.

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

Compliance:

This anchor bolt complies with the requirements of French Standard NF S52-400: "Games equipment - Attachment points - Operating and safety requirements" if it is installed in a base material equivalent to **CC22**.

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.

Specific requirements in respect of base materials: (section 6 of standard NF S52-400)

"The base material must be capable of holding the attachment points and absorbing loads imparted by sports equipment. Attachment points must not adversely affect the integrity of the base material (watertightness, strength, etc.). Only the owner of and/or the contractor for the base material is qualified to authorize the attachment points to be installed and tests to be carried out considering their type and the loads imparted.

The owner and/or contractor must place the design, sizing and installation of the following in the hands of a professionally qualified service provider (carpenter, architect, building contractor, design office, etc.):

- base material attachment points
- foundations
- any additional reinforcing for the base material structure.

The sports equipment manufacturer must provide the base material owner and/or contractor with the following: the loads and stresses to be allowed for at the attachment points between their equipment and the base material relative to the loads, as well as they type and specifications of the proposed attachment points.

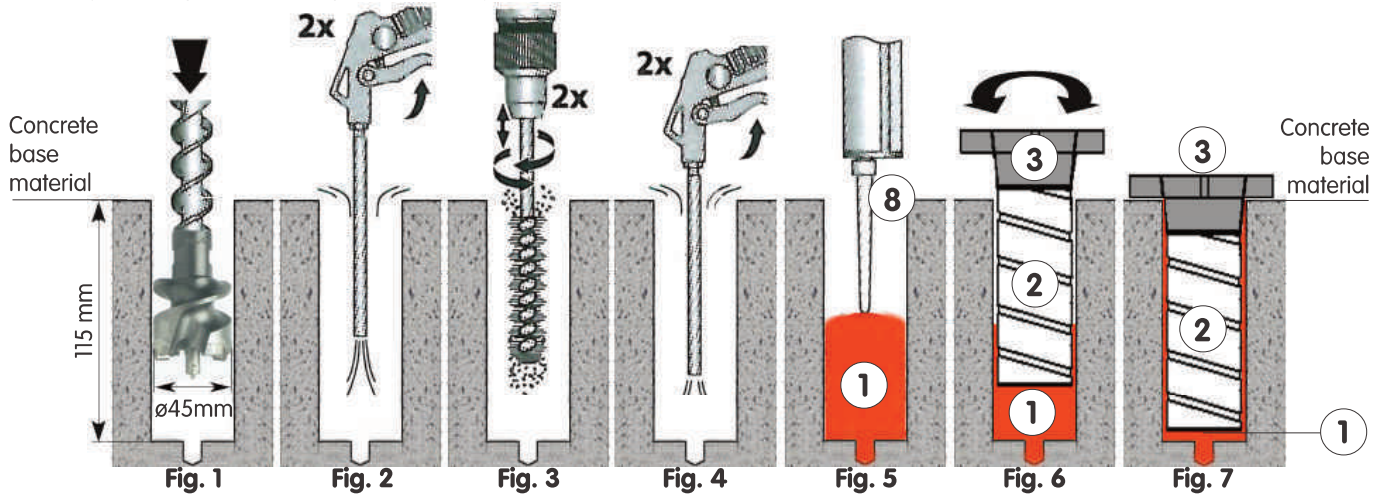
It is up to the contractor to make the background appropriate for the attachment points in accordance with their locations and the loads provided by the sports equipment manufacturer». Please refer to **CC22**.

Packaging:

Packages	2001/00	2002/00	963/35	No. of Packages
Ref.	Set of 4 anchors without bedding	Set of 8 anchors without bedding	Bedding cartridge, 380ml (+ Nozzle + Extension)	
2001 - Set of 4 anchors with retract. hook	1	-	1	2
2002 - Set of 8 anchors with retract. hook	-	1	2	3
Volume (m³)	0,0019	0,0038	0,0033	X
Weight (kg)	2,17	4,30	0,81	
Dimensions (mm)	160 x 110 x 110	180 x 140 x 150	300 x 100 x 110	

I. Chemical bedding the anchor bolt (with no pocket):

- 1) Mark out the anchor bolt position.
- 2) Make a 45mm (1.77") \varnothing hole (or drill it) 115mm (4.53") deep from finished floor level (see Fig. 1).
- 3) Remove dust with a blower or pressurized water (see Fig. 2).
- 4) Carefully brush the hole walls with a metal bottle brush (see Fig. 3).
- 5) Vacuum or blow out the drilling residue going down to the bottom of the hole (see Fig. 4).
- 6) **Important** : discard the start of each new cartridge, before fixing the mixer nozzle (8), until the 2 constituents appear (White hardener + Grey resin).
- 7) Fix the provided specific nozzle (8) and inject the chemical bedding (1) starting from the bottom of the hole, going up gradually until approximately 50% of the hole is filled, as shown in Fig. 5.
- 8) Fix the 4 fin fatering plug (3) into the anchor bolt body (2). Insert them immediately by hand (see table Fig. 8 for working time), using a back and forth movement, until the 4 fin fatering plug (3) is just proud of the concrete base material (see Fig. 6 & 7). Remove surplus resin (1) protruding from the flange as necessary.



- 9) Wait the requisite curing time (minimum drying time), during which the attachment must not be touched (as shown in table Fig. 8).
- 10) Place a visible sign on the attachment components while curing is underway.

Working and curing time

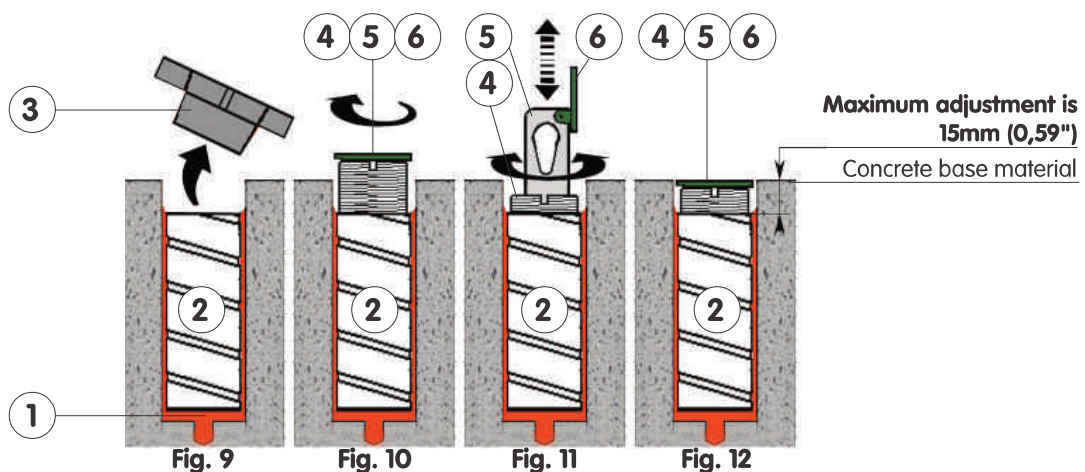
Ambient temperature (°C)	Working time	Curing time	
		Dry concrete	Damp concrete
40°C	1 min	30 min	60 min
30°C	3 min	35 min	1 hour 10 min
20°C	6 min	40 min	1 hour 20 min
10°C	11 min	60 min	2 hours
0°C	22 min	3 hours 30 min	7 hours

Note: minimum installation temperature: -5°C

Fig. 8

II. Adjusting the anchor bolt :

- 1) Remove the fastening plug (3) (see Fig. 9).
- 2) Fit the collar unit (4) + slide (5) + cover (6) in the body (2) by screwing (see Fig. 10).
- 3) Adjust the height of the cover (6) in relation to the finished floor level by screwing or unscrewing the collar (4) (see Fig. 11 et Fig. 12).
- 4) Lock the collar (4) with the "medium" threaded lock.

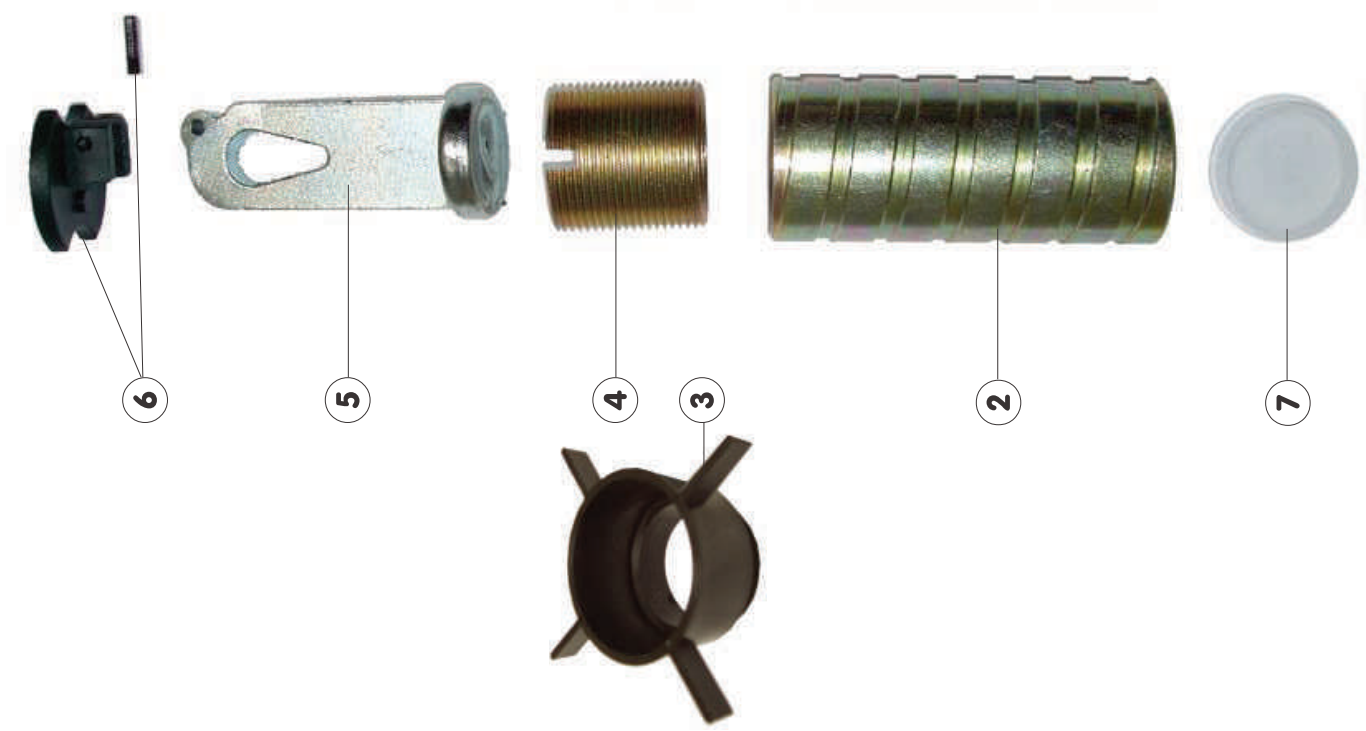


II. Maintenance:

Anchors should be regularly cleaned: vacuum out the dust and magnesium build-up, remove stagnant water. There is no need for lubrication.

III. Inspection and checking:

Depending on how much they are used, anchors should be checked by a competent person yearly or every few years in accordance with French standard NF S 52-400.



Quantities are specified for a set of 4 anchors (Ref.: 2001)

ITEM	QTY	DESCRIPTION	REFERENCE	REMARKS
30	-			
29	-			
28	-			
27	-			
26	-			
25	-			
24	-			
23	-			
22	-			
21	-			
20	-			
19	-			
18	-			
17	-			
16	-			
15	-			
14	-			
13	-			
12	-			
11	-			
10	-			
9	-			
8	1	EPOMAX mixer nozzle	963/21	included in 1
7	4	36.5 ø finned end piece	-	included in 2
6	4	Retractible hook anchor Cover+screw	2000/04	each
5	4	Retractible hook anchor Slide	2000/01	each
4	4	Retractible hook anchor Collar	2000/03	each
3	4	4 fin fatering plug	2000/10	each
2	4	Retractible hook anchor Body	-	each
1	1	Bedding cartridge 380 ml	963/35	each

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To order spare parts, please provide the description, reference and delivery date of the entire apparatus.