

**HIGH BAR WITHOUT CABLE WITH CASINGS  
OUTSIDE THE FLOOR - 1 PERSON**

**3104**

**1. Attachment principle:**

Each ground socket (Ref.: 3104/10) is fixed with 8 fixations on the floor with ATP collars anchors and a bedding resin.

**2. Permissible support frames:**

These technical specifications apply to fixations realized in sturdy concrete supports of a **thickness ≥ 125 mm with a resistance to compression ≥ 23MPa**. For fixing on the edge, **the minimum edge distance is 85 mm, for each fixation**.  
**Please contact us for thin slabs ranging between 100 mm and 125 mm in thickness.**

**3. Loads applied to the support frame during use:**

**SPECIFIC REQUIREMENT FOR THE BACKGROUND (SECTION 5.2.2 IN STANDARD NF S52-400):**

« Each ground socket should be able to support not in the same time:

- A corresponding load to an 285 daN horizontal force applied during 1 min. +10/0s at the top of the apparatus adjusted to its higher position above the finished floor ;
- A corresponding load to an 285 daN down vertical force ».

Forces projection (in daN) onto the 3 axis (x, y, z):

F1	-35	F2	-35	F3	-35	F4	-36
	0		0		0		0
	885		885		885		0
F5	-36	F6	-36	F7	-36	F8	-36
	0		0		0		0
	0		-885		-885		-885

The millimeter quotation only defines the place of application of the forces.

**4. Positioning, usage, and maintenance:**

Refer to the gymnasium layout drawings, assembly instructions NM10 and diagrams below.

**WARNING:** this apparatus needs a free area, without elements which could block its installation or its safety use (i.e. : lights, pipes, heating ...) (see drawing ACC or DET).

**5. Design of structures:**

**Specific requirements for backgrounds (section 6 in standard NF S52-400):**

«The background should be appropriate for receiving attachment points and absorbing loads transmitted by sports equipment. Attachment points should not adversely affect the background soundness (water-tightness solidity, etc.).

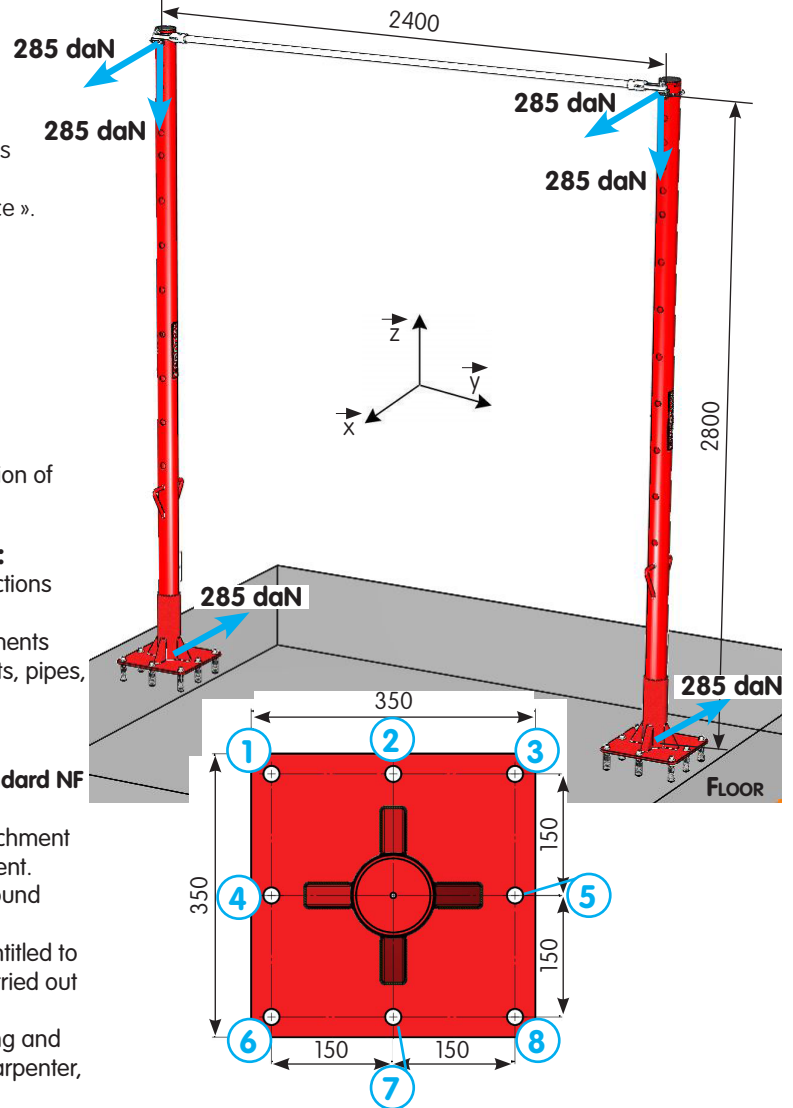
Only the owner and/or contractor for the background is entitled to allow the attachment points to be fixed and tests to be carried out according to their type and the loads transmitted.

The owner and/or contractor shall entrust the design, sizing and fixing of the following to a professionally qualified body (carpenter, architect, building contractor, design office, etc.):

- Attachment point supports;
- Foundation blocks;
- Possible additional stiffeners for the supporting structure.

The sports equipment manufacturer shall provide the background owner and/or contractor with the following: the loads and stresses of attachment points taken by the background as regards strength values, types and specifications of the proposed attachments.

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».



**NATURE OF THE SUPPORT:**

**Owner and/or contractor attachment authorized:**

**Material:**  
**Dimensions:**  
**Covering:**  YES  NO  
**Covering type:**  
**Covering thickness (mm):**

**Date:** **Stamp:**  
**Name:**  
**Post:** **Signature :**

The equipment will be installed by our technicians when this document is returned, duly signed, to our offices.