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RINGS BRACKET FIXED TO THE WALL

3750C

1. Attachment principle:

Double expansion M8 anchors are supplied with rings bracket and intended to be use in solid supports concrete type.

2. Permissible support frames:

These technical specifications apply to fixations realized in sturdy concrete supports of a **thickness ≥ 120 mm with a resistance to compression ≥ 23MPa**. For fixing on a concrete pole, **the minimum edge distance is 100 mm, for each fixation**. For other supports: steel beams (IPE, IPN, ...), wood beams (laminated timber, ...), cavity supports (blocks work, bricks, ...), thanks to complete (on banner at the bottom of the page) the precise

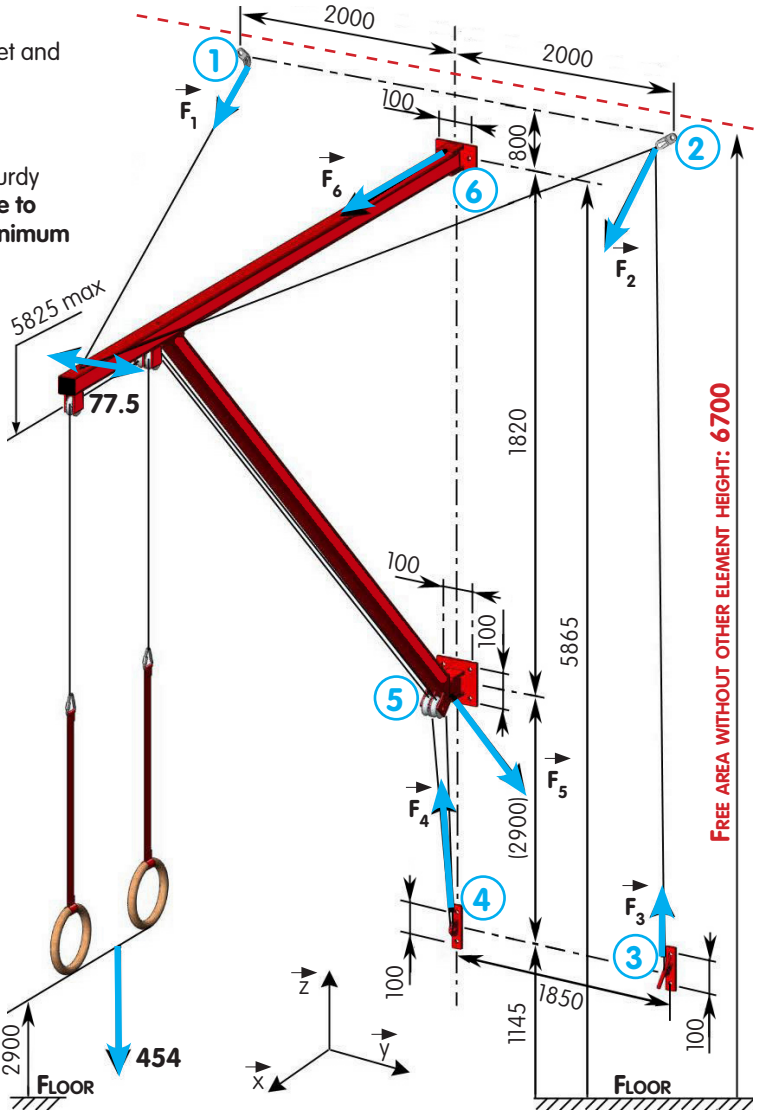
3. Loads applied to the support frame during use:

IMPORTANT: The forces indicated on the drawing are determined from the values of the norm EN12655.
- Vertical force on the 2 rings = 454daN,
- Alternate horizontal force on the structure = 77,5daN (2 opposite directions along «y» axis).

FORCE APPLIED TO THE SUPPORT IN THE LEAST FAVOURABLE CASES:
Forces projection (in daN) onto the 3 axis (x, y, z):

F1	93	**F2**	93	**F3**	0	**F4**	0	**F5**	-737	**F6**	551
	190		-190		0		0		0		0
	-37		-186		150		454		-835		0

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 **NM12G** 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.