

**SETS OF 2, 4, 6 & 16 ANCHORS
WITH ATP COLLARS**

**2020 - 2004
2006 - 2016**

1. Attachment principle:

A bedding resin is fed into an appropriate socket from which any dust has been cleaned out. After having filled half the volume of the socket, the component to be secured (anchor collar) is inserted manually into the socket working it back and forth until it is just proud of the concrete. The component to be secured must be clean (free from grease and oil). This will cause the bedding resin to flow up the length of the socket wall, coat the component to be secured completely while spreading over the length of the socket. The bedding resin should rise up at least flush with the floor. The bedding resin will gradually cure and bond the base material to the component to be secured.

2. Permissible base materials:

This specification applies to the use of this anchor in sound concrete, reinforced or otherwise, positioned horizontally or vertically. For coated concrete, the thickness of the coating will not be taken into account in the anchor calculation. This anchor can be used in cracked or no-fines concrete and in other solid building materials but the figures in this specification cannot be used. We would need to be contacted to define the specific tests to be carried out in this case.
The base material is to be at least 125 mm thick and its compression strength ≥ 23 MPa. Please contact us for thin slabs ranging between 100 mm and 125 mm in thickness.

3. Loads applied to the support frame during use:

3.1. Point of application and direction of load:

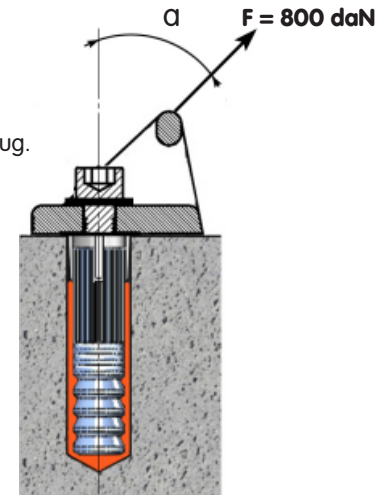
N: axial load or traction ($0^\circ \leq \alpha \leq 30^\circ$)

F: oblique force ($30^\circ \leq \alpha \leq 60^\circ$)

T: transverse load ($60^\circ \leq \alpha \leq 90^\circ$) or shear

The load applied to an anchor plug is 800 daN at a direction $0^\circ \leq \alpha \leq 60^\circ$ to the centerline of the plug.

Note: Test to check anchors must be performed on the plug using a suitable lifting ring in lieu of the anchor shoe.



3.2. Types of load:

These loads may be static or dynamic and applied continuously or occasionally.

3.3. Charged applied to the attachment (unweighted): 800 daN.

4. Positioning, use, and maintenance:

See room layout plans and assembly instructions NM249.

WARNING:

- In cases where there is a finished floor of the sealed floor or bonded coating type, the latter may be observed to lift at the periphery of the anchor.
- It is the contractor's duty to ensure that there are no electric cables or fluids in the anchor area.
- We must be notified of the presence of any item of this type by means of a dimensioned and countersigned drawing.

5. Design of structures:

Specific requirements in respect of base materials (section 6 in 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 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 the duty of the contractor to match the base material to the attachment points depending on their position and the loads provided by the sports equipment manufacturer."

NATURE OF THE SUPPORT:	Owner and/or contractor attachment authorized:	
Material:	Date:	Stamp:
Covering: <input type="checkbox"/> YES <input type="checkbox"/> NO	Name:	
Covering type:	Post:	
Covering thickness (mm):		Signature:

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