

Installation Procedure

When installing a Nextep GRP Ladder, be sure that the ladder is firmly installed/ fixed in accordance with the relevant specifications and the following notes.

The recommended anchor bolt for use with a Nextep GRP Ladder is a stainless steel 70 x 12mm pin type anchor. The hammer-driven pin type consists of an anchor bolt designed to be secured in concrete by pounding on its center pin, which is preinserted through the center of the bolt, thereby causing the expanded portion of the bolt to bite into the concrete wall. This style of anchor bolt is not to be used on concrete block walls.

Condition of Host Material.

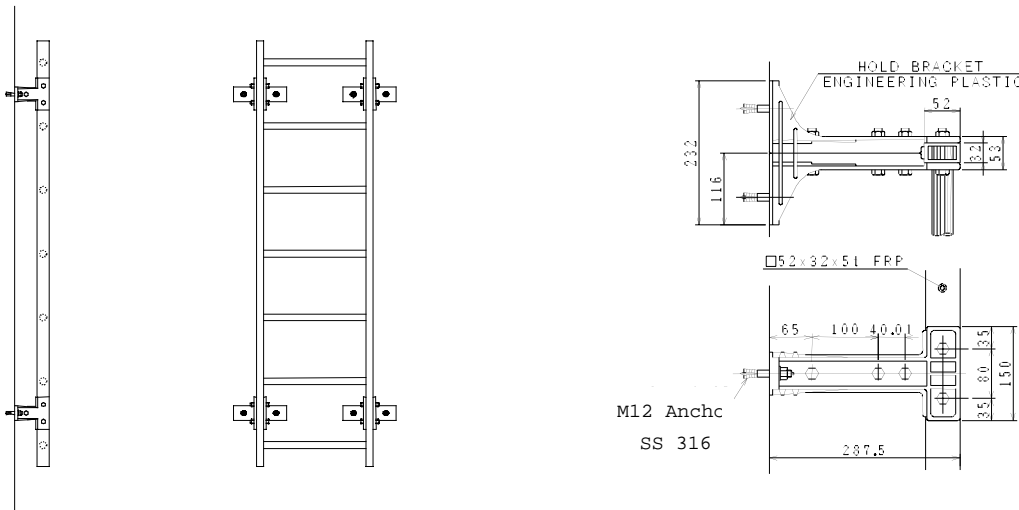
- Use on concrete that is not "cracked" or deteriorated (weathered or neutralized).
- Use on concrete with an actual compressive strength ranging from 180-360 k g f / cm₂.

Anchor Positions for Installation

Restrictions regarding the positioning of anchor bolts are as follows:

- Edge distance (distance from all edges of host material), a minimum of twice the anchors buried depth i.e. 100mm.
- Concrete Thickness, a minimum of twice the anchors buried depth i.e. 100mm.

SAMPLE BRACKET



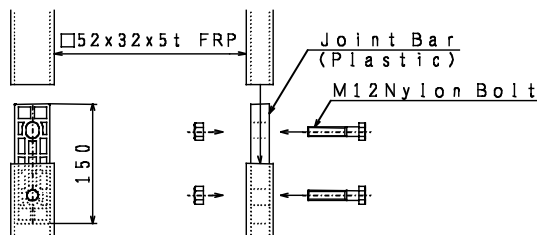
1. Remove any protruding concrete slag that may interfere with bracket positioning or anchor bolt installation.
2. Suspend or support ladder in the correct installation position. If lenses are fitted, red is for the left and green is for the right side when looking from the base of the ladder to the top. Check both the base and top of stiles and rungs are the correct distances as per W.S.A.A requirements (if applicable, refer to W.S.A.A drawing number SEW-208).
3. Starting with the uppermost set of bracket, using the elongated anchor boltholes molded in to the bracket face as a guide, drill the required number of 13mm holes. Using a drill depth gauge drill the hole by an amount of 10mm deeper than the anchor bolt's "effective burying depth" i.e. 50mm. Holes must be drilled at a right angle to the host material.
4. Clean out the hole thoroughly so that no chips or concrete dust is present.
5. Insert the anchor and hammer the center pin downward in a perpendicular fashion until it touches the top of the main body. Do not tighten nut.
6. Ensure ladder stiles are perpendicular with host material then repeat anchor installation procedure on the lowest set of bracket. Do not tighten nuts.
7. Complete all remaining anchor bolts for center brackets (if applicable).
8. Completing the Installation.
 Check to ensure all bracket mounts are flush with host material, there must be no gap between the clamp face and the bracket face.
 Check to ensure ladder stiles are perpendicular to surrounding host material.
 Visually check to see that the head of the center pin is in contact with the anchor bolt's main upper body surface.
 Use a wrench or similar tool to tighten the anchor bolt nuts.
 Ladder installation is complete and ready for use

Note: *_On-site fixing is the responsibility of the contractor, and must be based upon site conditions and materials.*

_Different styles of anchor bolt may be substituted for the hammer-driven center pin type as described in the manual. When using a different shank length, ensure to adjust corresponding installation dimensions.

_For ladder stiles cut on-site to suit the conditions, all cut surfaces must be re-coated with a polyester resin. Apply sparingly and wipe excess with a wet cloth and allow to cure as per resin manufacturers instructions. For further resin details, please contact your local Nextep distributor.

Detail For Ladder Joint



Rung Detail

