AA400HSL Eyebolt anchor Installation Instructions

Things to know:

AA402 is designed for installation in concrete. It has been specifically developed for applications in rope access (abseiling) but it can be also used to support a fall arrest load of 15 kN provided a suitable personal shock absorber is used.

Fixing options:

M12 x 125mm HSL 3 or HSL-GR (HOLE 18 DIA)

Loading: Sheer, not exceeding 20° with the surface it's installed in.

Tools needed for installation:

Rotary hammer drill, masonry drill bit 18, air pump, cleaning brush, torque wrench

Installation steps – M12 Hilti HSL-3 or HSL-GR in concrete:

1. Use Hilti Reo Scan or similar device to avoid drilling the steel reinforcement in concrete.

2. Mark the position for hole to be drilled.

3. Drill one M18 x 125mm hole. Ensure the hole is 90° with the drilled surface.

4. Clean the hole 3 times with compressed air and cleaning brush.

5. Install Hilti HSL-3 or HSL-GR and **u**se a toque wrench to apply correct torque as per Hilti instructions.

6. Remove the M12 bolt inside the HSL-3 or HSL-GR and screw in AA402 instead

Proof load and certification:

All chemical and friction anchorages must be proof loaded before their initial use and subsequently on regular basis to satisfy the requirements set out in AS/NZS 1891.4:2009 and AS/NZS 4488.2:1997

- Proof load the eye to 7.5 kN for fall arrest applications
- Proof load the eye to 6 kN for applications in rope access

Note:

The roof structure must be assessed by a structural engineer unless it is clear to a suitably qualified person that it is capable of withstanding the forces imposed on it during arresting of a fall and during work positioning.