



AA402HIS Removable eyebolt anchor Installation Instructions



Things to know:

AA402HIS 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.

Minimum distance to the edge of the slab or between any 2 eyebolts must be at least 200mm unless certified by a structural engineer!

Fixing options:

Chemset Hilti HVU M16 or equivalent (HOLE 22 DIA)

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

Tools needed for installation:

Rotary hammer drill, masonry drill bit 22, air pump, cleaning brush, suitable Hilti chemical such as HIT500RE or HVU with appropriate Hilti setting tool.

Installation steps – M12 Hilti HIS 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 M22 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 HIS internally threaded rod as per Hilti instructions and allow sufficient curing time
6. Screw in SRA eye bolt and proof load

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 ISO 22846 (2003) (formerly AS/NZS 4488.2:1997)

- Proof load the eye to 7.5 kN for fall arrest applications
- Proof load the eye to 7.5 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.

DISCLAIMER

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