



## **AA400T Through bolt anchor Installation Instructions**



### **Things to know:**

AA400T is designed for installation in concrete and steel. 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. Any anchor hole drilled into concrete must be positioned minimum of 200mm away from any edge!

### **Fixing options:**

- Through bolt M12 (HOLE 14 DIA)

**Loading:** 360° including tensile loading

### **Tools needed for installation:**

Rotary hammer drill, masonry drill bit 14, reo detector, spanner, bar

### **Installation steps – M12 through bolt**

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 M14 through hole. Ensure the hole is 90° with the drilled surface
4. Install AA400T with the large (120mm diameter) backing plate on the inside.
5. Install an M12 washer and lock nut and tighten fully. Ensure minimum of 5 threads are showing when fully tightened.

### **Proof load and certification:**

Through bolts must be visually inspected upon installation – do not proof load!

### **Note:**

The 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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