

SAFE BOLTS THAT LAST A CENTURY!

Bolters and bolting organisations have the responsibility to choose rock anchors (bolts) that are of high quality, correct type for the rock type and with an expected lifespan of 50 years or more, regarding corrosion. Wear will still be a factor, but wear is normally easier to monitor than corrosion.

An anchor or an anchor-system should be readily assessable and modifiable if replacement or repair is needed.



Choose a rock anchor with the UIAA safety label to be sure that the rock anchors have been manufactured to the highest safety standard, and that they are tested for a corrosion class! To just state what material an anchor is made of is not sufficient!

Material is not a suitable way to define corrosion resistance. Therefore, the UIAA has developed a corrosion test in three levels that is mandatory for all UIAA-certified rock anchors (bolts). The UIAA safety label on rock anchors guaranty high quality products with a tested corrosion resistance!

UIAA 123 corrosion classes

SCC: High SCC and general corrosion resistance

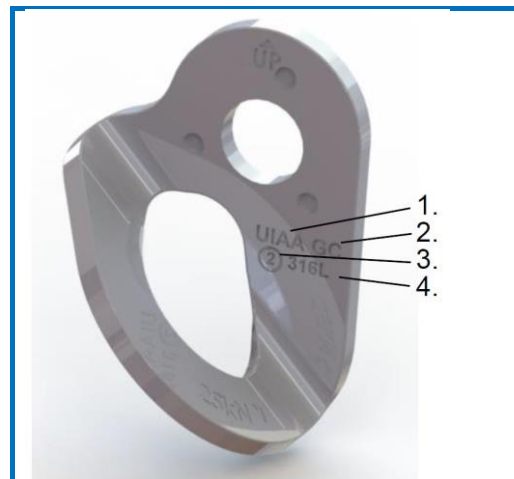
High resistance against SCC
High resistance against general corrosion

GC: General corrosion resistance

No resistance against SCC
High resistance against general corrosion

LC: Low corrosion resistance

No resistance against SCC
Medium resistance against general corrosion



1. UIAA shows that the product is certified to the UIAA safety standard.
2. GC = General corrosion (the corrosion class for the product).
3. The material class acc. to the EN 959:2019 (1, 2 or 3).
4. The material that the component is manufactured from.