

Security problem with Umlenkettens of FIXED!

Once again, tears a Umlenkette of FIXED. the DAV

Safety Research recommends replacing previously installed chains of the manufacturer.

prehistory

In the summer of 2015, the DAV security research was sent to a torn FIXED-chain link of a FIXE- compensation anchorage. The manufacturer then checked the problem and published the recommendation that the problem could be solved quickly, easily and cost by the top link with a Maillon Rapide is behind backs. the found cracks in chains of the manufacturer with the phenomenon of stress corrosion cracking have been founded. To be able to be connected to the hook tab, must be separated, the uppermost chain link and are manually welded again according FIXE. This handmade weld is susceptible to stress corrosion cracking. We also provided information on the website of the DAV: https://www.alpenverein.de/bergsport/sicherheit/warnhinweise/sicherheitsproblem-bei-umlenkketten-of-fixe_aid_29317.html

Current event of damage

Now the DAV security research there is a further broken chain of Fima FIXED, in addition to the first, hand welded, and the second, machine-welded chain link is broken (see photo 1). The manufacturer confirmed that this is obviously dealing with "bad material choice".

The upper links of these FIXED compensation anchoring were - as recommended by the manufacturer - each using a Maillon Rapide been behind backs. but there also broke the second link, the deflection was hanging on one side. Two of the three fragments could be found with a metal detector.

extent of damage

Since the manufacturer has not been able to tell how potentially dangerous chains can be identified or which production lots are not affected by the problem, it must be assumed for the moment that all previously installed chains of FIXED as potentially dangerous are classified.



Photo 1: The FIXED-balancing anchor in which two chain links are broken.



Photo 2: Example of a temporary makeshift rear backup.

Recommended actions

Because of the problems described, the DAV Safety Research recommends to replace all previously installed FIXED chains immediately.

Top priority is given to the deflection of the type compensation anchorage.

Based on the results of internal company tests FIXED now produces its chains of a different material. New chains of FIXED are therefore also suitable for exchange.

Provisionally chains may temporarily with a Express loop which - in parallel with a chain strand - is hung in the bolts and in the ring, are behind ensures (see photograph 2).