

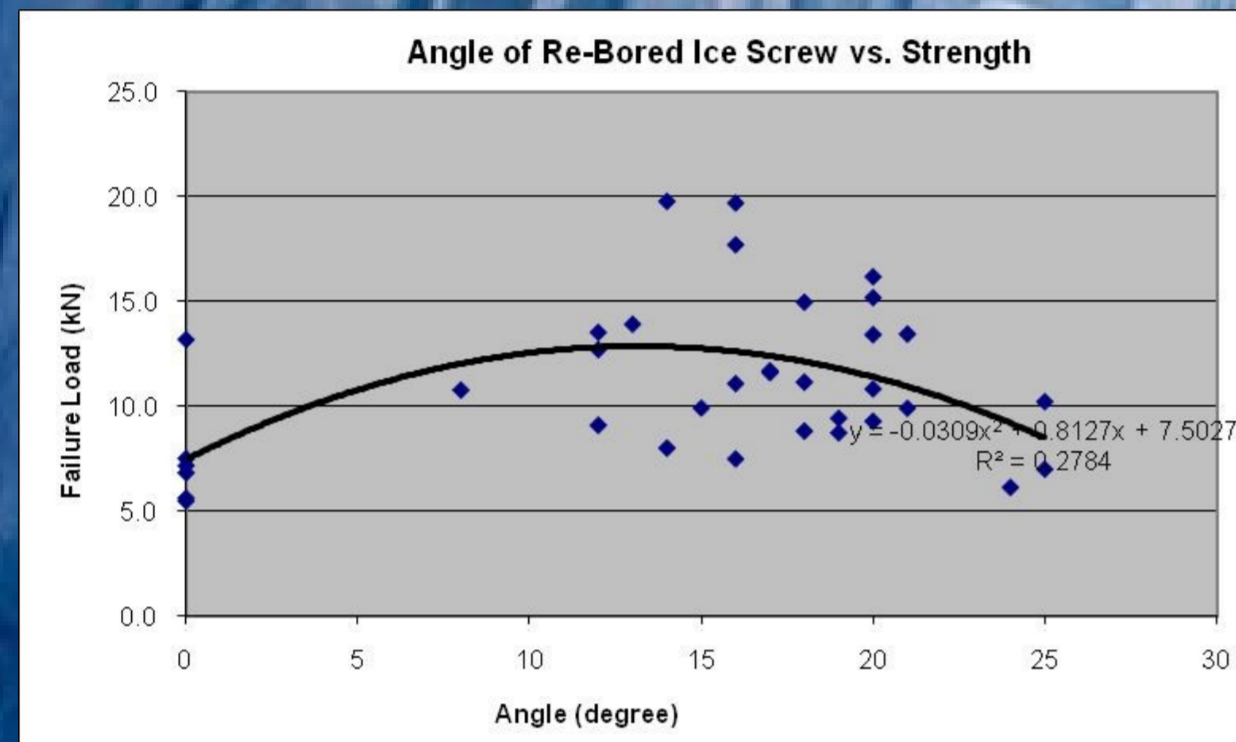
ICE CLIMBING ANCHORS STRENGTH

Ice climbing protections are tubular ice screws, which can also be used with a hook to make an abalakov. Therefore the need of efficiency brings us to two subjects :



Ice screw exemple (Black Diamond)

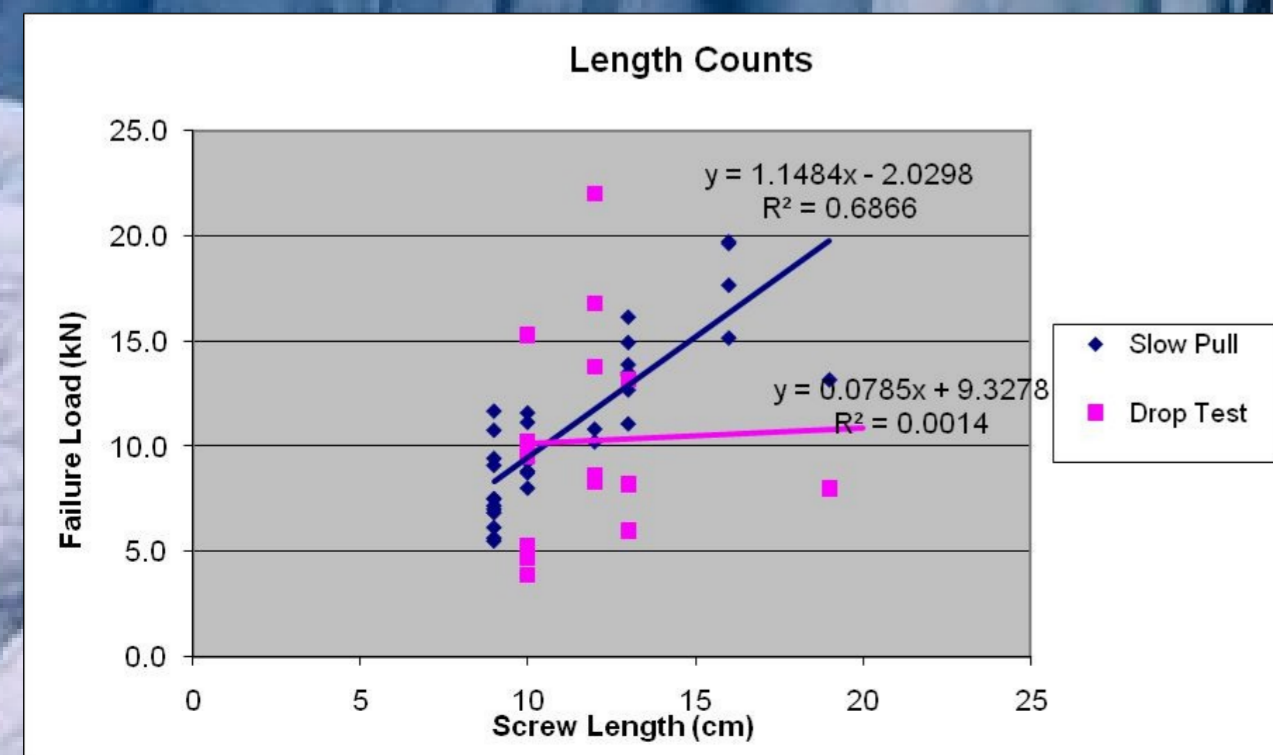
Re-bored Ice-Screws :



Interesting because much faster than the normal use of the screws : 1 hole / time, where you may let the screw fall by boring the hole

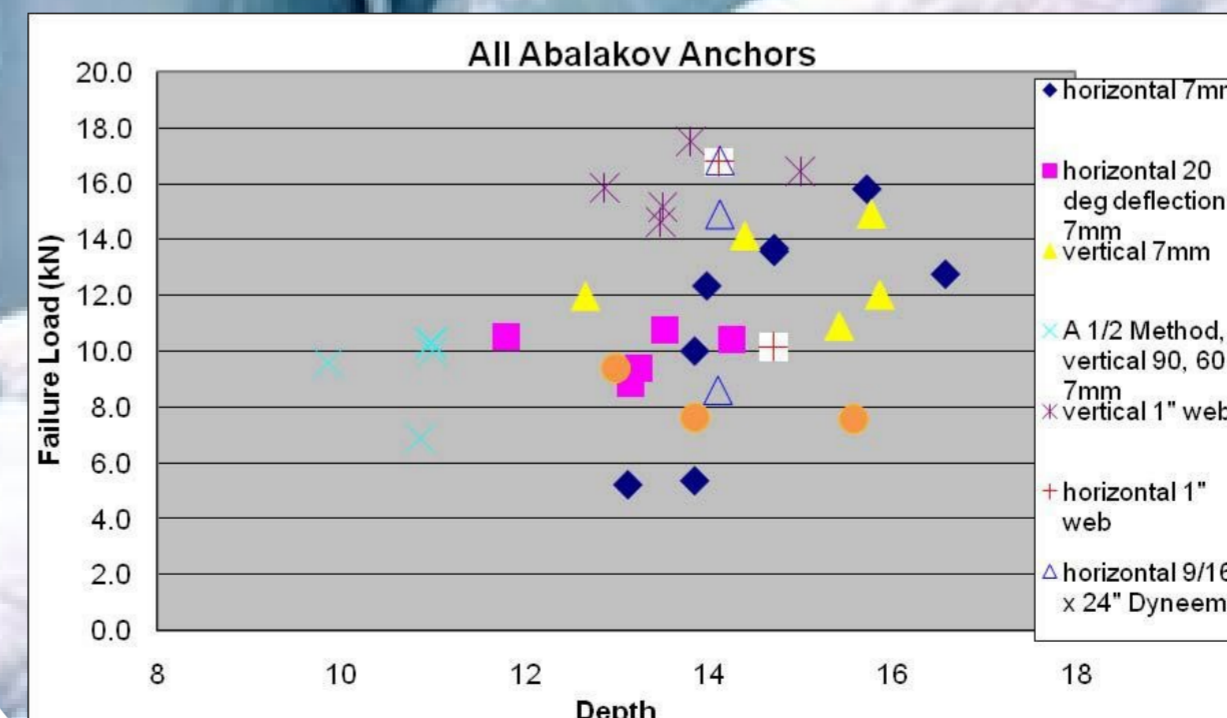
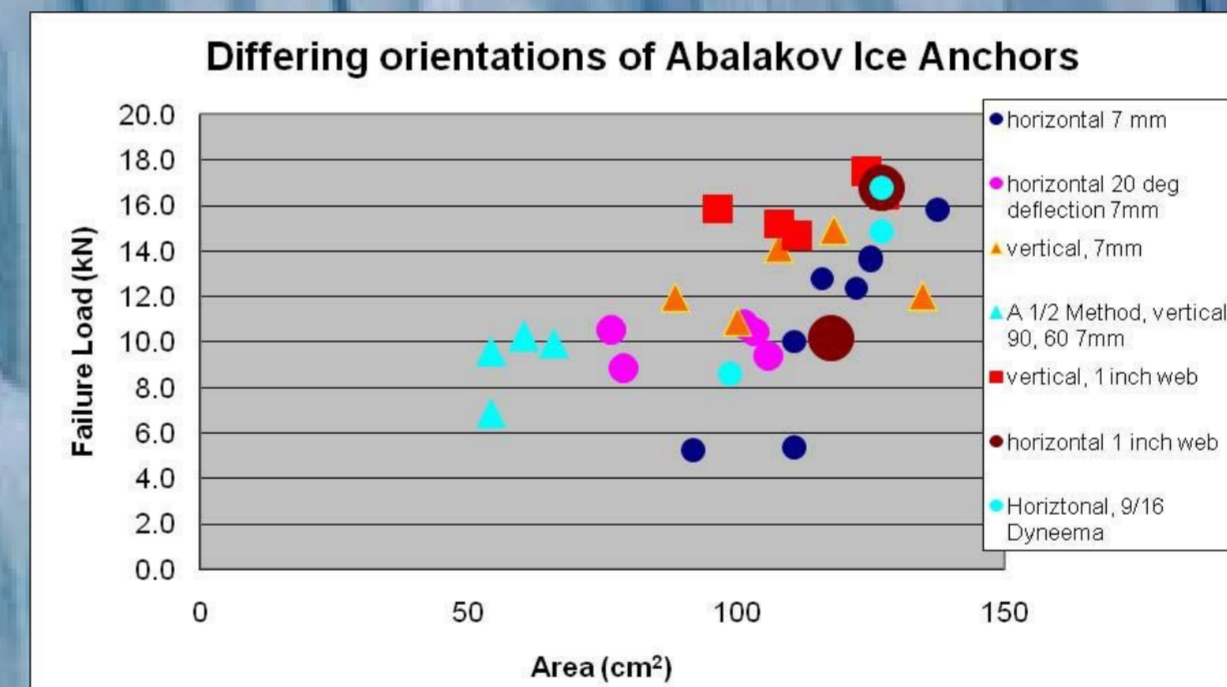
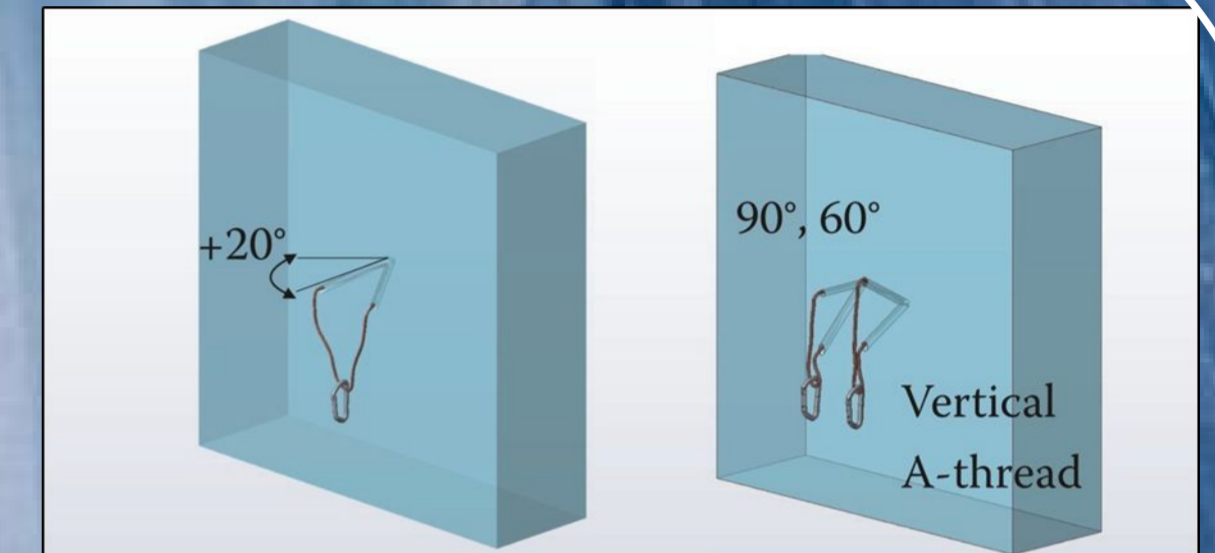
Problem is that the ice always melts, outside such as in the hole

Another paramater who can counts is the gap between the first and the second ice screw coming into the hole :



Abalakov types :

This picture explains what an abalakov is, typically a ring (of rope) coming in and out the wall of ice.



Differents methods of abalakov building gives us differents properties about the strenght of your belay, which is a mechanical problem.