What is the Safety of Hollow Bar Anchor?

Many manufacturers declare that their hollow bar anchors are safe products.

But do they understand what the safety means?

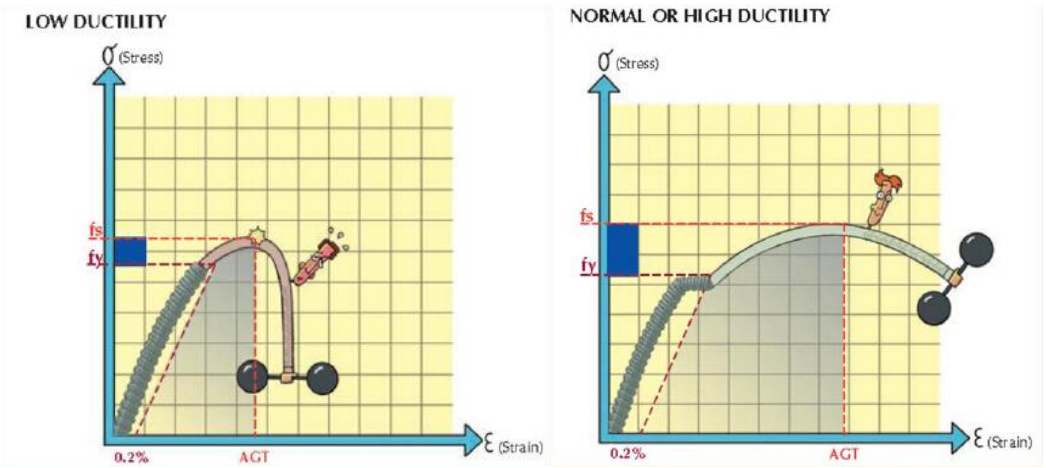
Ductility is Safety

In the applications of SDA (like soil nail, micro pile, tunneling), self-drilling anchor blots are used as drilling + grouting + reinforcing bars.

In civil engineering, the concrete offers enough strength and steel reinforcing bar (hollow or solid bar) achieves certain ductility to the structure.

And the ductility of hollow bar anchor means its ability to deform when loaded above its elastic limit without fracturing.

Higher ductility (Higher Agt value) means the deformation is continued above the yield limit. In contrast, hollow bar anchor with **Low** ductility would have a sudden break once above the yield limit.



Imaging if we were in a civil building in an overload situation, **for safety's sake**, we would definitely prefer the structure to deform allowing us to evacuate, rather than to suffer a sudden collapse leaving us with no chance to escape in time.

While some extreme situations like earthquake, explosion, impact damage, tsunami, and tornado happen, Hollow Bar Anchor with High Ductility can provide the last security of people's life.

Ductility from ONTON Hollow Bar Anchor – A Guarantee of Safety

Our self-drilling anchors products have both high strength and high ductility, which are real safe SDA.