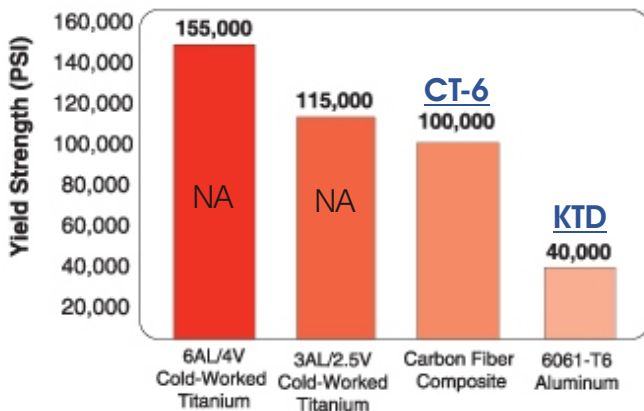


# CT-6 VS KTD



## Material Properties

The Faretec CT-6 employs the use of carbon Fiber technology which produces a STRONGER and LIGHTER splint than the KTD.



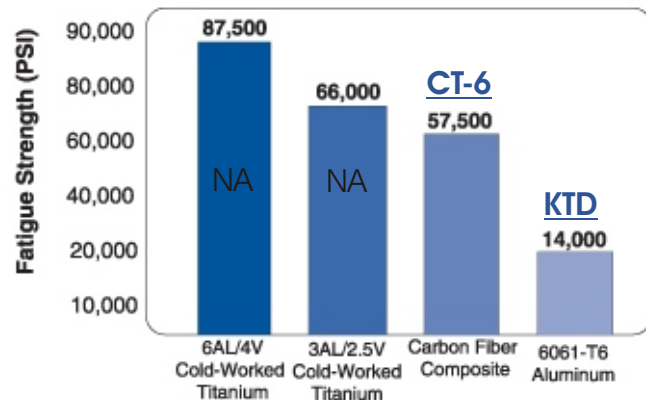
In the chart to the left, Carbon is compared to Aluminum. The yield, being its point of deformation is 2.5 times higher than Aluminum.

This means that the CT-6 will perform at higher loads without concerns of deformation of material.

It also allows Faretec to downsize the tube diameter, therefore saving weight and space, but not strength

The Chart to the right demonstrates that Carbon fiber can be flexed repeatedly without deformation 5 times longer than Aluminum.

This is a significant factor when considering the reliability and life span of the splint.



The CT-6 materials surpass the KTD in the following criteria:

- Corrosion Resistance
- Temperature Stability
- Strength to weight ratio
- Yield strength
- Compression characteristics
- Radar Reflection