

AASC has fabricated hundreds of strut tubes and circular composite structures over the past 30 years. The typical cross-section of struts is circular but rectangular, lenticular, and almost any profile in between can be successfully built depending on the choice of material and layup. AASC has fabricated strut tubes with metallic end fittings of aluminum and titanium, which are bonded, bonded and pinned, or bonded and riveted. AASC designs, analyzes and tests bonded end fitting components for thermal stress minimization as well as load carrying capability. Optimizing the correct balance between bond length, strength, stiffness and balancing the thermal or load induced stresses between the end fitting and the tube are regularly performed at AASC.

## STRUTS AND TUBES



Composite Struts



Composite Struts



Proof Load Testing



Various End Fittings