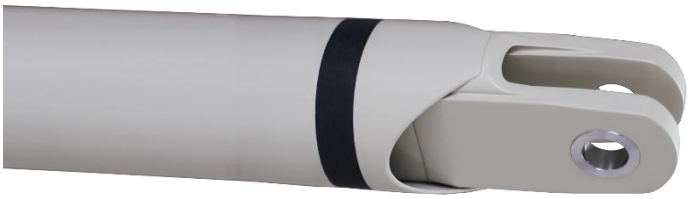
EPSILON AEROSPACE
The alternative

Carbon Fiber Struts & Rods

for Aerospace applications

Full CFRP Structural Struts



Fixed length strut with pultruded body, flanges and protective sheath + titanium bushings

- Dimensions: Ø60 to Ø90mm, no length limit.
- Max compression & tension load: 300 kN.
- Used for: center wing box, floor beam struts and various critical applications…

→ low weight,
→ no corrosion,
→ high impact tolerance.

Hybrid CFRP/Metal Struts

Struts with a pultruded composite body and bonded metallic end-fittings.

- Dimensions: Ø60 to Ø90mm, no length limit.
- Max compression & tension load: 200 kN.
- Used for: highly loaded adjustable rods, floor beam struts…

→ low weight,
→ high compression loads,
→ length adjustment.

Tie Rods with CFRP body

Adjustable rods with pultruded body and metallic or thermoplastic composite end fittings.

- Dimensions: Ø16 to Ø40mm, no length limit.
- Adjustment range up to ±40mm per rod.
- Max compression & tension load: 70kN (with Ø40).
- Many standard configurations of fork ends & rod ends available + custom fittings options.
- Used for: suspension or fastening of interior cabin equipments (luggage racks, galleys, systems and air conditioning…), fairings, doors, flight controls rods…

→ low weight (weight saving up to 60% vs metallic rods),
→ versatile attachment options
→ can be adjusted without any tool (optional)

** CFRP = Carbon Fiber Reinforced Polymer*

EPSILON COMPOSITE
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