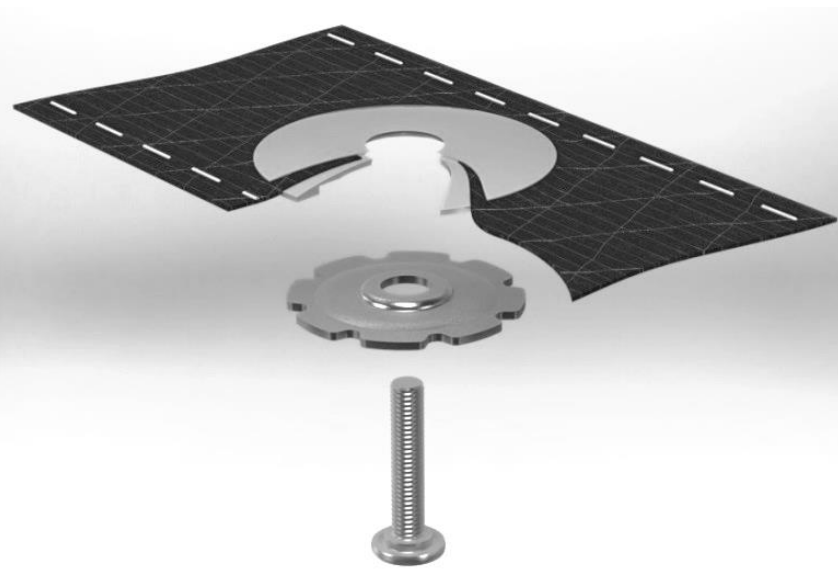




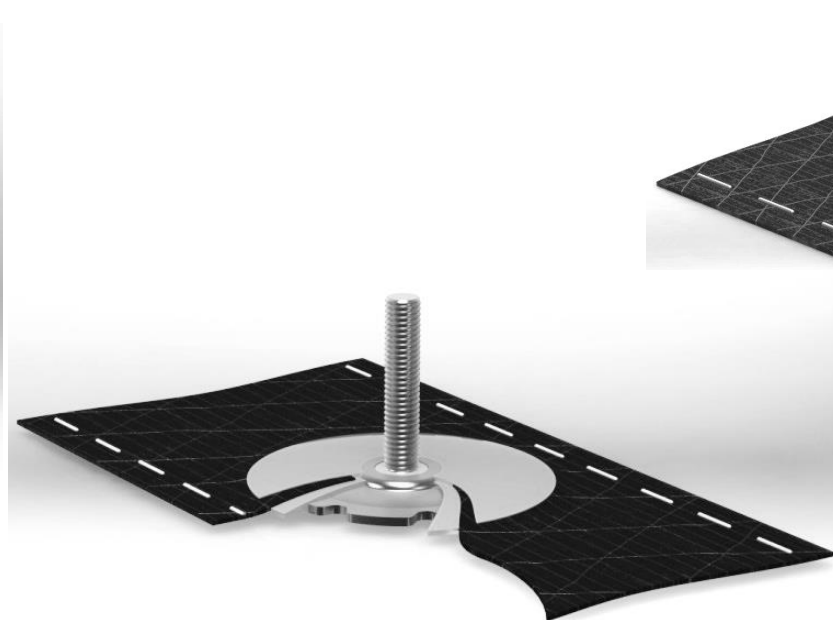
FIBA SPIDA - THE ULTIMATE FIXING TECHNOLOGY

Do you mould a lot of fixings into composite structures? Talk to us about Fiba Spida. It's like buying your fabric with the fixings built in.

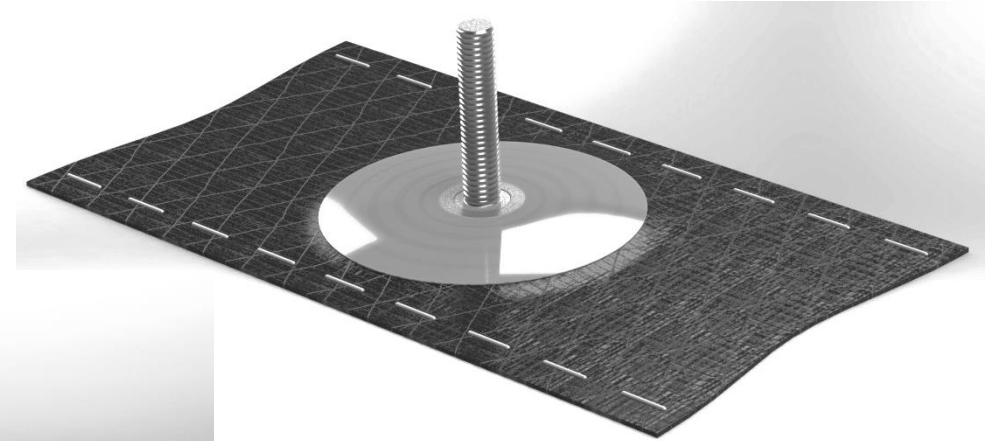
Strength and reliability without drilling



Our rear welded Spida Fixing for strength



Fixings moulded into stress dissipation fabric



Replaces the need for construction of fixing points – saves time, material, cost



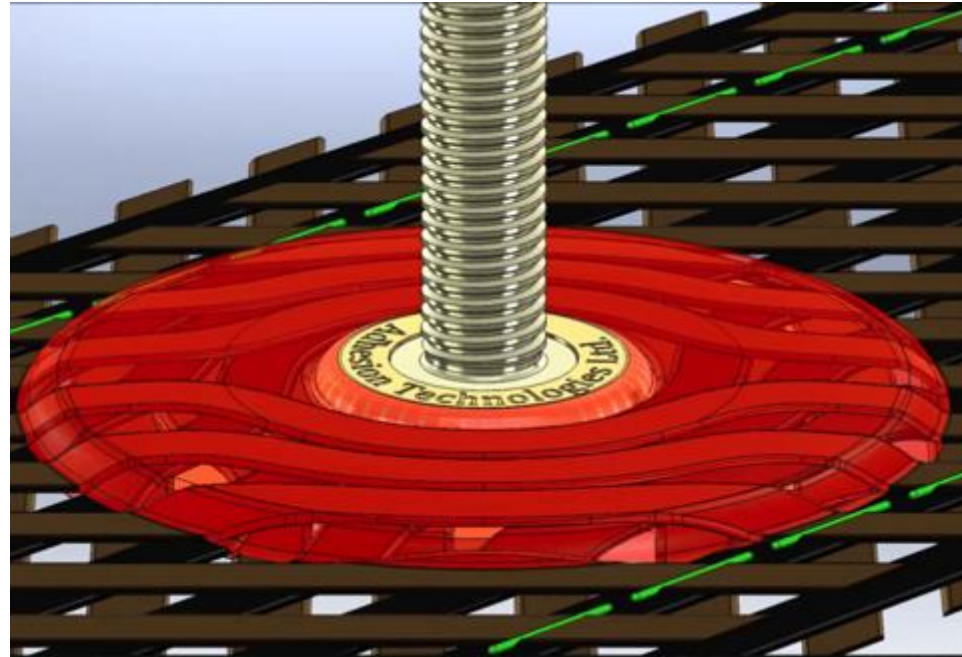
FIBA SPIDA

No fabric damage

1250% more stress dissipation

Spida Fixings benefits:

- Strength and reliability
- Premium materials - Mild Steel or Stainless
- Moulded into carbon fabric for enhanced versatility
- Customise your fabric and resin to suit your needs.

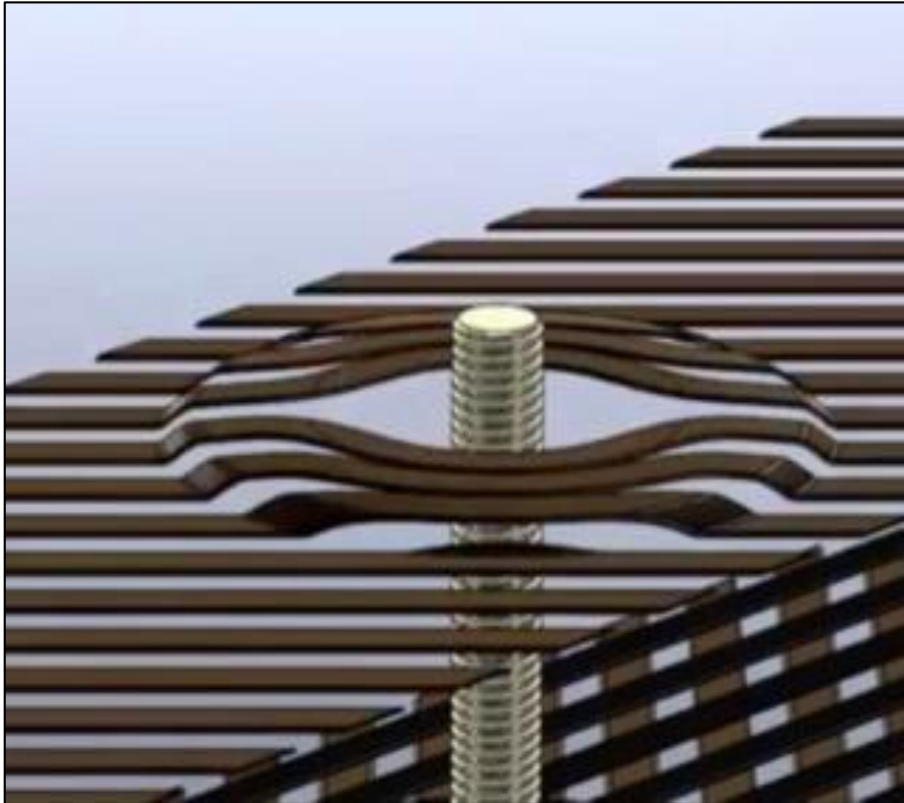


Simply incorporate Fiba Spida into your layup and mould the ultimate stress-dissipating fixing. Saving time and effort.



FIBA SPIDA

Fiba Spida fabric 'hole-formed'



Tow Steered Fabric

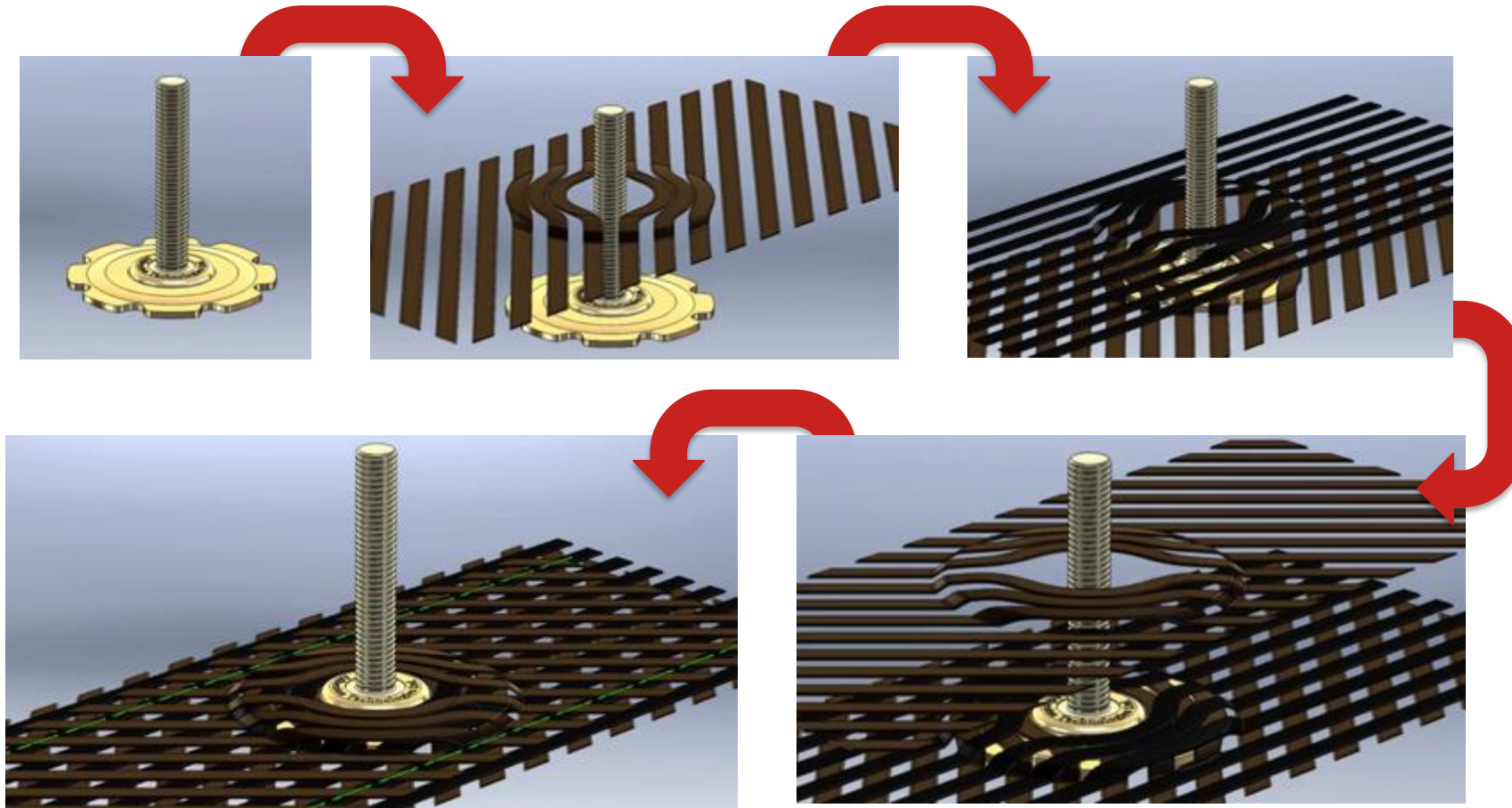
- Eliminates Fabric damage.
- Drilling a 5mm rivet hole severs 96,000 stress dissipating filaments per 1000 gms of fabric destroying its structural integrity leading to crack propagation and over lamination.





FIBA SPIDA

Fiba Spida - building multiaxial layers



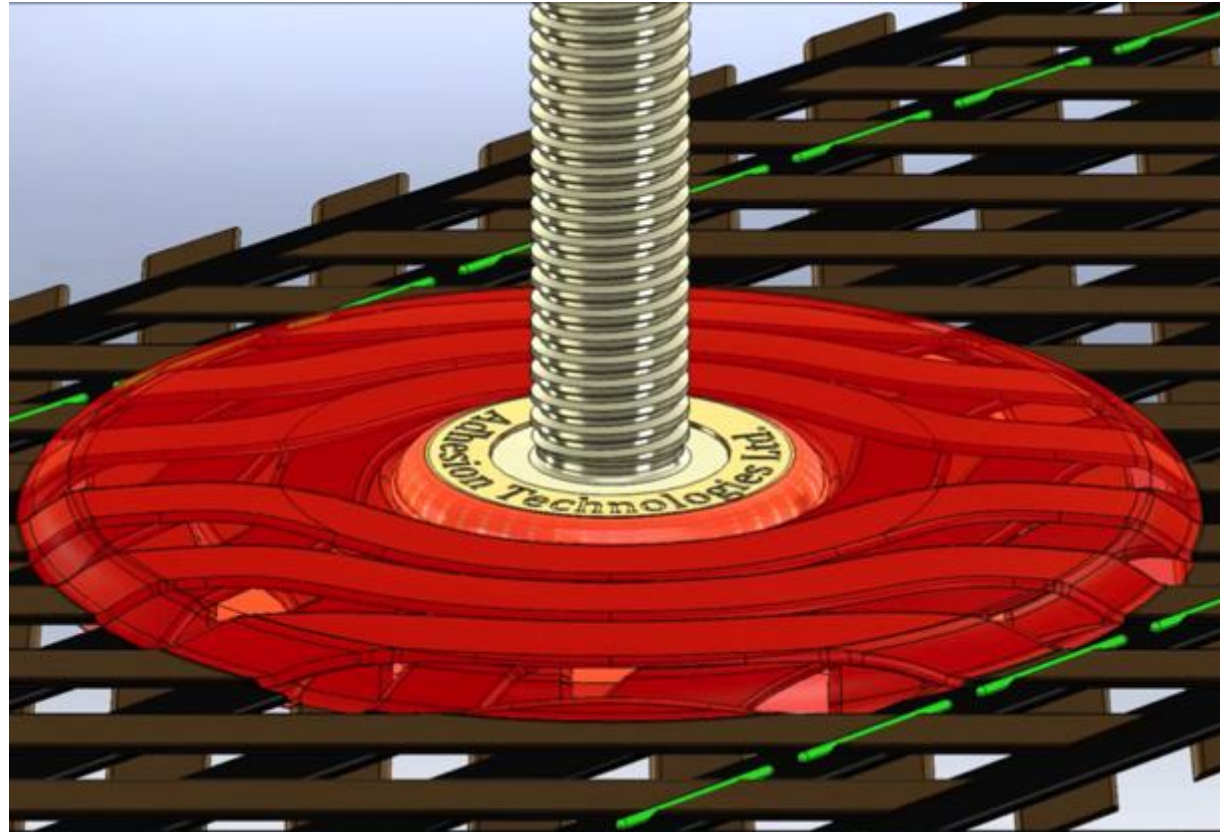


FIBA SPIDA

Fiba Spida - overmould secures bond

Multiaxial layers tow
steered
Overmoulded to the
Fastener

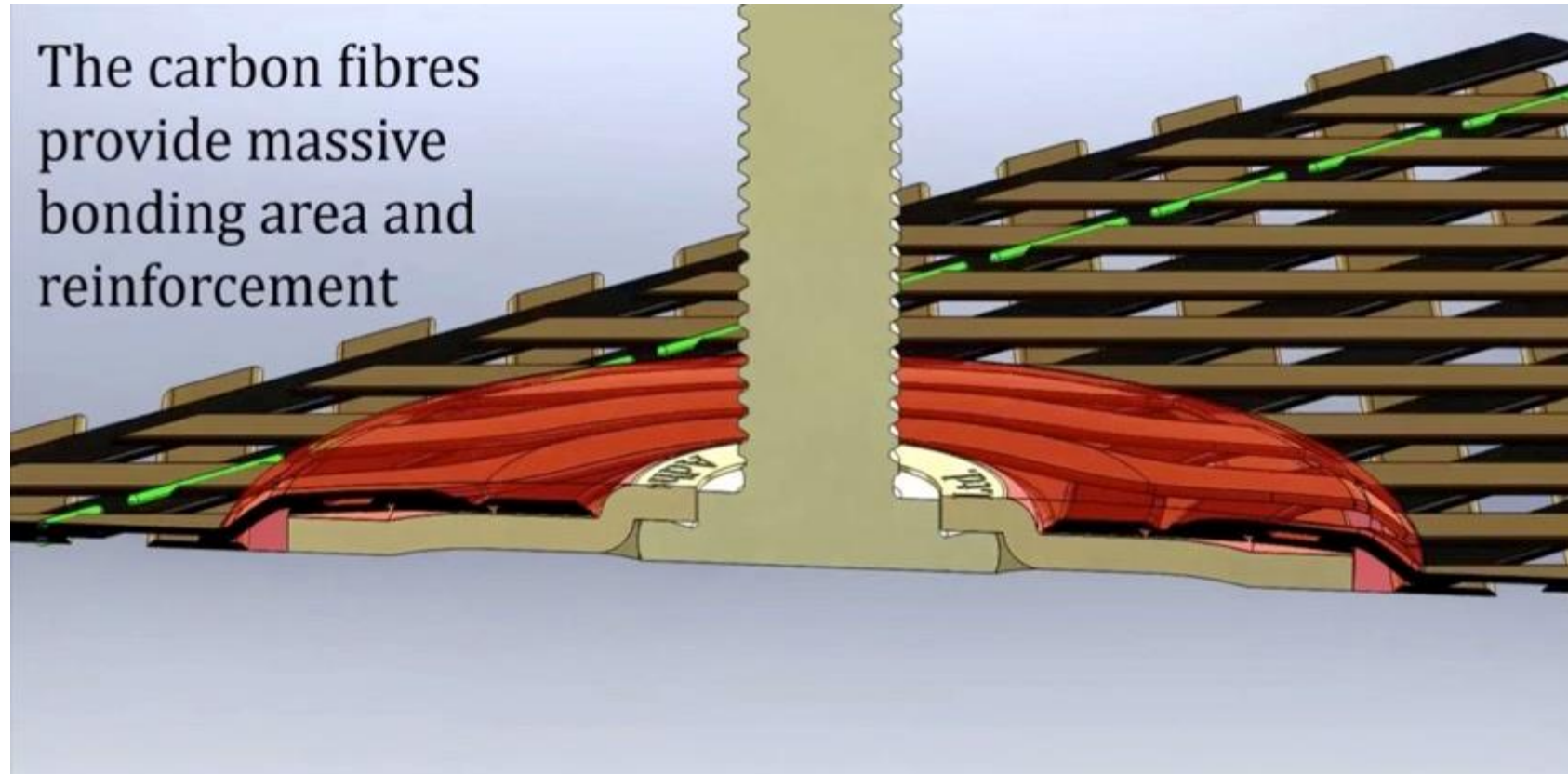
The bond between the
Spida and the fibre is
optimised





FIBA SPIDA

Fiba Spida - attenuates stresses

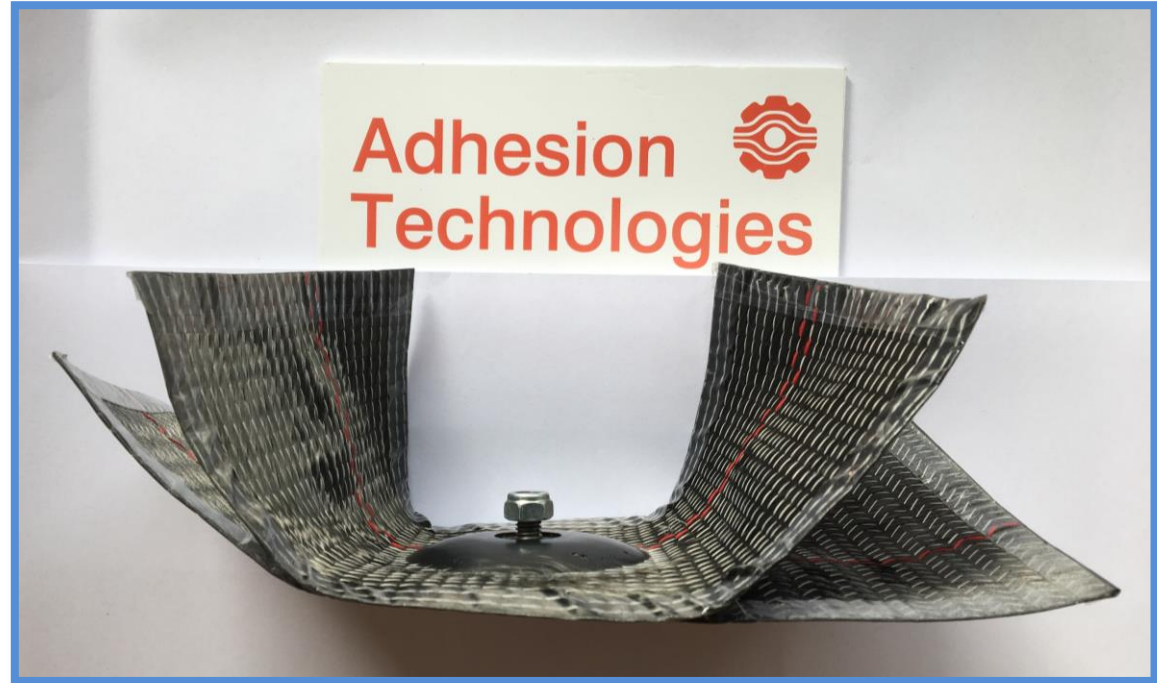




FIBA SPIDA

Low Profile Fiba Spida

Low Profile Fiba Spida, Spida Stud and Nut fit into thin laminate structures, yet dissipate and receive stress loads from over 500mm away.

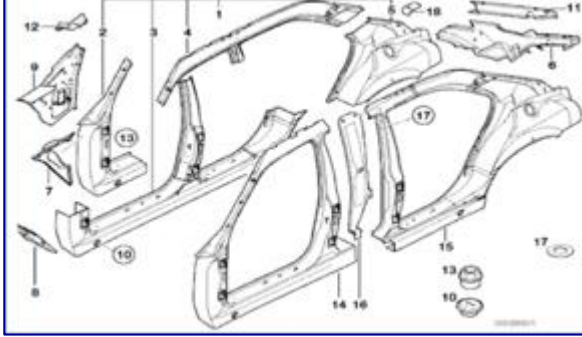




FIBA SPIDA

Fiba Spida modular composites

Many Metal Pressings



Single Composite 'Tub'



Multiple Steel Sections Crash Damage

1. Easy to identify damaged sections
2. Simple but expensive to repair

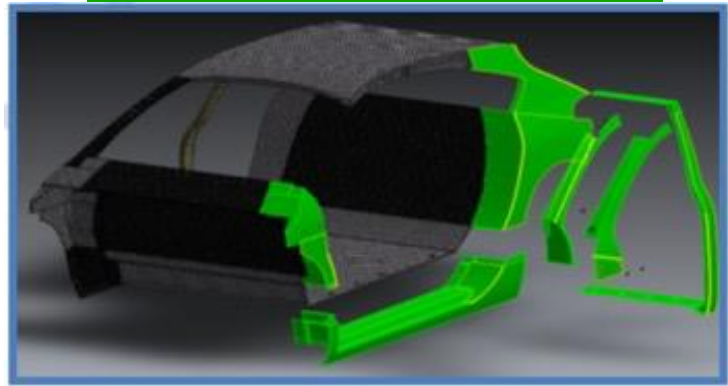
Single Composite Body Crash Damage

1. Hard to identify damaged area
2. Difficult and expensive to repair

Strongly bonded modular structure

Our Solutions

- ✓ Fiba Spida
- ✓ Bonded sections
- ✓ Reversible fixings
- ✓ Isolate damage



Your Benefits

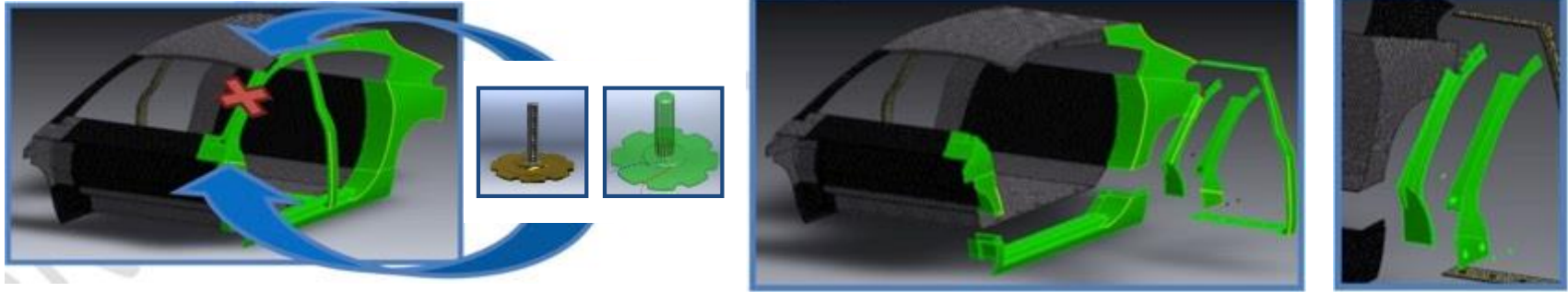
- ✓ Managed stresses
- ✓ Reparability
- ✓ Cost saving
- ✓ Weight saving



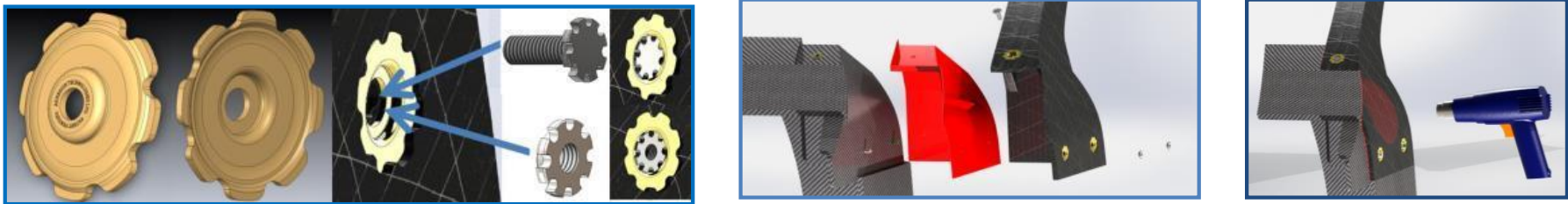
FIBA SPIDA

Modular production/repair options

Component structures - easier to manufacture and repair



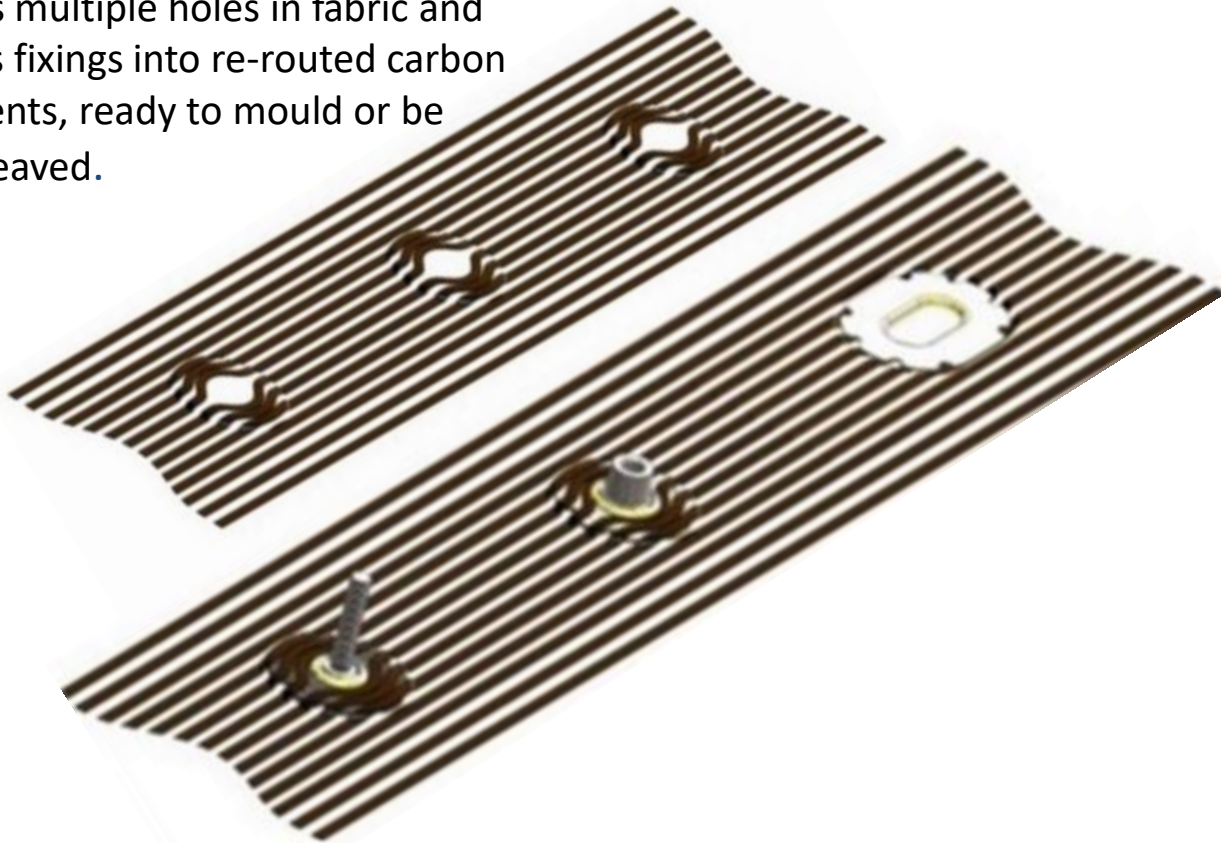
Boltable sections or 'heat-reversible' resins make in-line change/repair easier





FIBA SPIDA

Steers multiple holes in fabric and bonds fixings into re-routed carbon filaments, ready to mould or be interleaved.



COMING SOON - ATTENUATOR

Multiple Spida Fixings in Single Fabric Structure

- Time and cost savings
- By eliminating fixing layup procedures and materials
- Saves Weight – fewer fixings needed.
- No need for post mould drilling
- Stress dissipation and redirection