



SOLUTION
L&L CBS™

VERSION
April 2021

Structural Co-Extruded Inserts

**Lightweight and
high strength
stiffening solution.**

L&L's structural co-extruded inserts improve vehicle body structure performance. Our inserts enable weight to be reduced, while maintaining or improving vehicle durability, stiffness and crash worthiness.

By using an extrusion process to manufacture the inserts, low cost tooling and high speed production rates can be achieved. Moreover, this manufacturing process allows unique geometries to be engineered. For example, it facilitates the reinforcement of circular cavities and hollow long profiles.

Structural inserts involve co-extruding glass filled nylon and L&L's proprietary structural adhesive used to bond individual sections of the body structure to create a unified macro-structure.



KEY PRODUCT ATTRIBUTES

- Suited for continuous profile geometries
- Lower tooling investment than molded reinforcement
- High speed manufacturing
- Cost competitive
- Lightweighting

TYPICAL APPLICATION AREAS

- Instrument panel structures
- Cross car tubes
- Rockers
- Seat structures
- Hinges
- Trailers
- Hydro-form tubes
- Aluminum door beams

