



## Specification of Fiberglass Champion Strut

### 1. Scope

- 1.1. The fiberglass strut system shall conform to the material, design and construction requirement of this specification.

### 2. Materials

- 2.1. All strut shall be made from glass reinforced polyester resin, manufactured via the pultrusion method. The resin used shall be isophthalic resin, and the glass content shall be 65 - 70% (by weight).
- 2.2. All straight sections shall have polyester veil for ultimate UV-resistance and the color shall be gray.

### 3. Structural Design

- 3.1. The strut shall have outside dimensions of 1-5/8" x 1-5/8", the lip shall be 3/16" and bottom base shall have a thickness of 3/16".
- 3.2. All fittings (pipe clamps, clevis hangers and so forth) shall be made to fit with the strut dimensions as stated in 3.1 above. All fittings shall be made from fiber reinforced resins.