

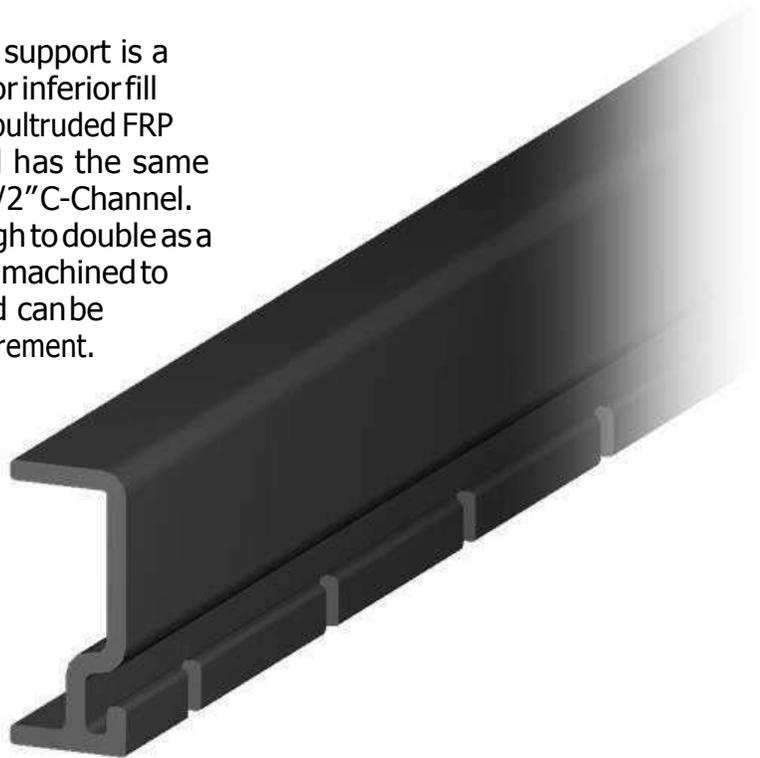


Fill Hanger Support

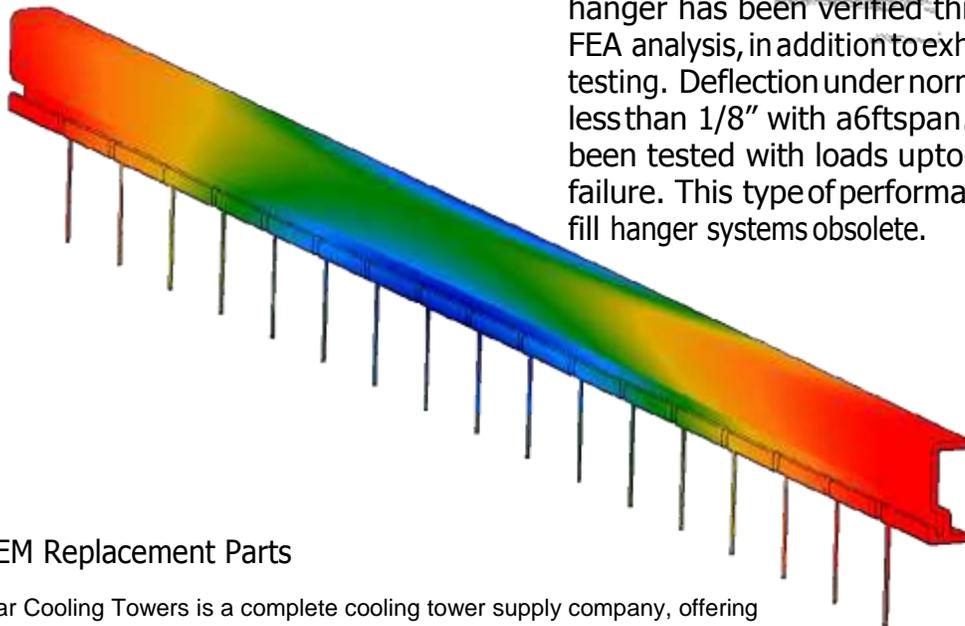
Custom Pultruded Channel

The Star Cooling Towers fill hanger support is a direct and economical replacement for inferior fill hangers. This fill hanger is made from pultruded FRP material that is a full 1/4" thick and has the same dimensions as a standard 1-1/2" x 3-1/2" C-Channel. This component is also strong enough to double as a tie line support. The notches are CNC machined to ensure proper fit-up of the fill wire and can be customized for any wire spacing requirement.

To learn more about this product and other innovative products contact your local STAR sales team member.



The strength of the Star Cooling Towers fill hanger has been verified through extensive FEA analysis, in addition to exhaustive physical testing. Deflection under normal fill loading is less than 1/8" with a 6ft span. The hanger has been tested with loads up to 400 lbs/ft without failure. This type of performance renders other fill hanger systems obsolete.

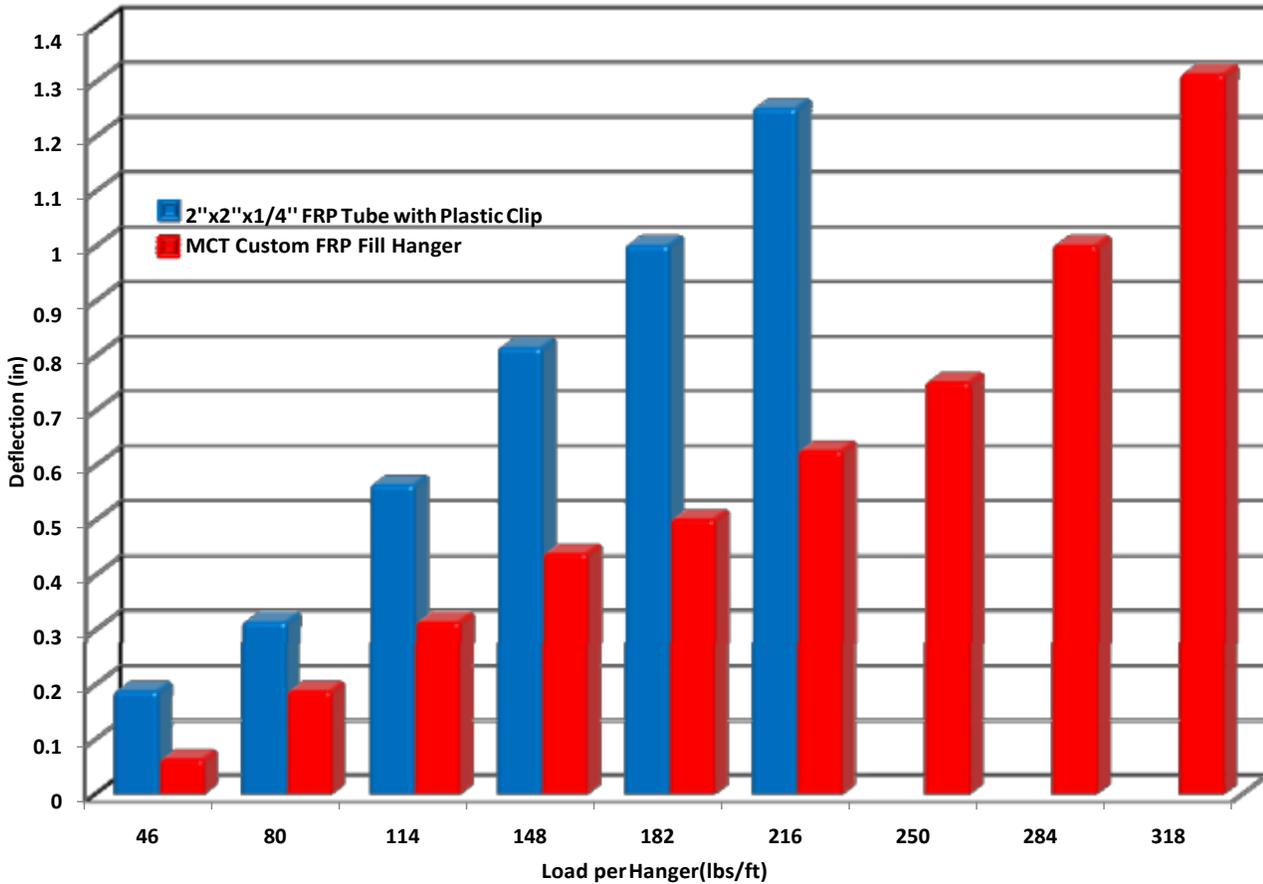


OEM Replacement Parts

Star Cooling Towers is a complete cooling tower supply company, offering a wide range of products to the cooling tower industry since 1951. Our large selection of quality OEM (Original Equipment Manufacturer) replacement parts are compatible with most models and manufacturers of cooling towers and they offer a high quality, reliable, low-cost alternative to expensive original equipment parts.

Call today for more details on this innovative component.

Fill Hanger Deflection (6 ft Span)



The new STAR FRP fill hanger was tested alongside an industry standard fill hanger consisting of a 2"x2"x1/4" FRP tube with a plastic fill hanger clip. Deflection readings were taken at similar intervals and are shown in the chart above. The plastic clip broke at 250 lbs/ft, while the new MCT fill hanger continued to take load without failure. Deflection readings were not taken above 318 lbs/ft, however the MCT fill hanger remained unbroken up to the testing capacity of 400 lbs/ft. A detailed test report and photos are available from Star upon request.

The notch in the fill hanger has a full 3/16" radius, which reduces stress concentrations at the wire penetrations. This concept was refined using Finite Element Analysis, resulting in a part that is stronger and more durable. This design also gives excellent wire engagement during heavily loaded conditions.

