

Hanger Types

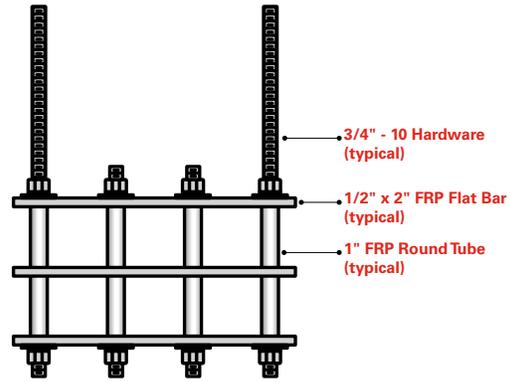
The Champion Fiberglass Bridge Hanger system consists of two hanger types, Intermediate Hangers and Anchor Hangers.

Intermediate Hangers

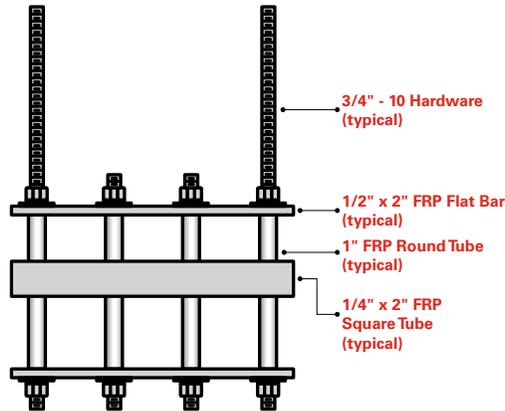
The Intermediate Hangers are the most widely used “under-bridge” type of conduit support hanger. The Intermediate Hanger consists of a trapeze hanging system comprised of fiberglass flat bar, (and/or) fiberglass square tube and steel threaded rods that are attached to the underside of the bridge. Fiberglass hangers are recommended for RTRC conduit to prevent abrasion of conduit during expansion/contraction.

Standard and Alternate Intermediate Hanger Configurations

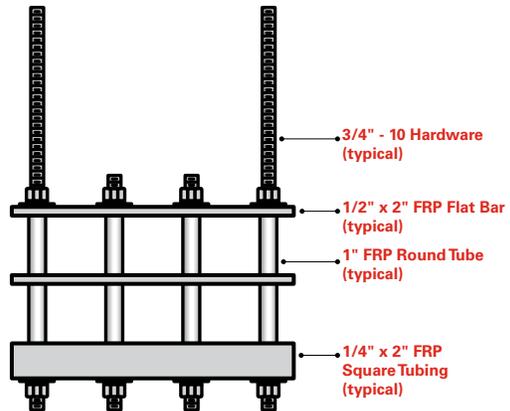
Intermediate Hangers are offered in standard and alternate design configurations (see below). All design configurations utilize the same fiberglass components and steel hanger rods. Alternate design configurations must be specified by customer.



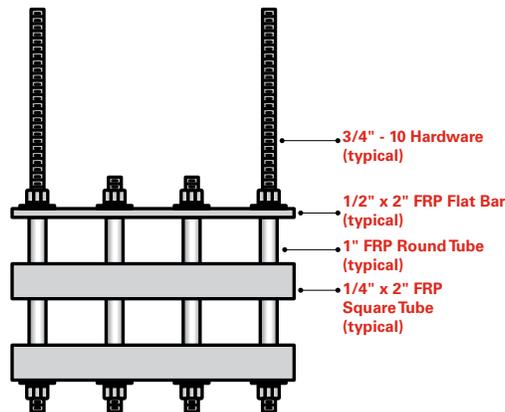
Standard Intermediate Hanger



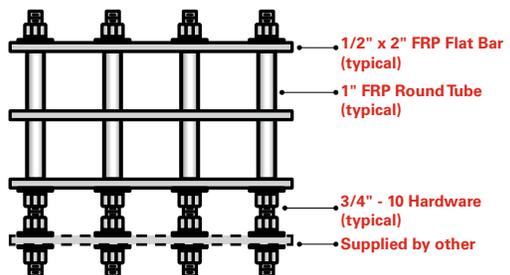
Intermediate Hanger / Flat Bar-Square Tubing-Flat



Intermediate Hanger / Flat Bar-Square Tube Bottom



Intermediate Hanger / Flat Bar-Square Tubing

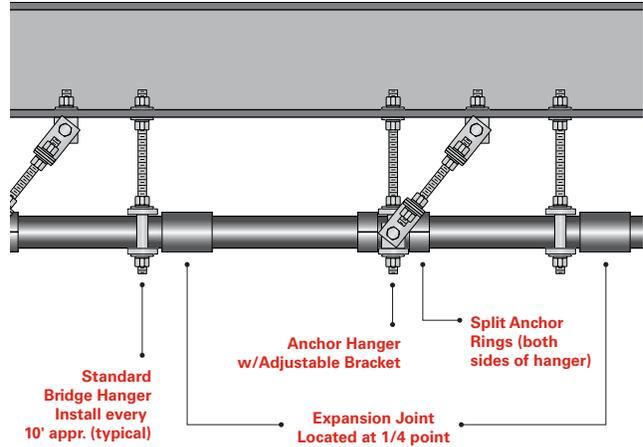


Base Mount Hanger

Note: For conduit hangers 4" and larger, the 1/4" x 2" square tubing is recommended. Hangers constructed with square tubing allow for maximum conduit support spans at 40% conduit wire fill.

Anchor Hangers

The Anchor Hanger is the same construction as the Intermediate Hanger except that each hanger contains adjustable extending all-thread cross-members that are used to brace the hanger to the bridge structure. Anchor Hangers are recommended every 200 ft and used with split ring anchors to lock the fiberglass conduit into place. Locking the conduit into place allows the conduit system expansion joints to function as designed.

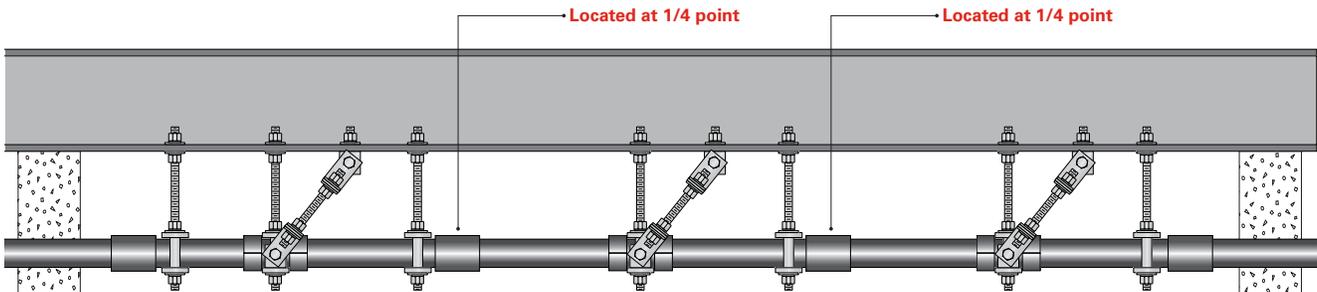


Location of Supports

The actual location of the hanger supports are determined by two factors:

- What the National Electric Code (NEC) stipulates.
- If not guided by the NEC, the conduit deflection charts contained in this catalog should be used as a guideline for determining the conduit support distances. All of the graphs contained in this catalog are shown for five (5) different mid-span locations. After determining the total weight of the cable, the support span distance is determined based on the maximum allowable mid-span deflection. Champion Fiberglass recommends not exceeding 5/8" mid-span deflection.

Note: Consult the NEC for deflection guidelines when other conduit material types (PVC, GRC, etc.) are used.



Note: For conduit hangers 4" and larger, the 1/4" x 2" square tubing is recommended. Hangers constructed with square tubing allow for maximum conduit support spans at 40% conduit wire fill.