

M21/M21A MECHANICAL TEE, THREADED-END OUTLET



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

The Shurjoint Model M21 features an advanced design and when mounted on hole cut pipe the Model M21 provides a fast and easy mid-pipe threaded branch outlet. Threads are NPT per ANSI B1.20 or BSPT per ISO 7. By utilizing the Model M21 you can eliminate the need for welding or the use of multiple fittings. The M21 Mechanical Tee is comprised of upper and lower ductile iron housing segments, a grade "E" EPDM rubber gasket (Model M21 & M22 gaskets are interchangeable) and plated track bolts and nuts.

Mechanical tees are supplied with our standard painted finishes, i.e. orange or RAL3000 red. Optional finishes such as hot dipped zinc galvanized and custom epoxy coatings are also available.

Shurjoint mechanical tees: Model M21, M22, 7721 & 7722 can also be used on applicable IPS size HDPE pipe. When used in conjunction with HDPE pipe the pressure rating would be the lower of the fitting or pipe rating. Please note Shurjoint mechanical tees are not recommended for use on PVC plastic pipe.

Important Note: Model M21 housing segments are not compatible and should not be used with other Shurjoint mechanical tee housing segments such as Model 7721 & 7722 mechanical tees.

material specification

- **Housing:**
Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).

- **Surface Finish:**
Orange color painted or red RAL3000 color painted.
 - Hot dip galvanized (optional).
 - Epoxy coated in red RAL3000 or other colors (optional).
- **Rubber Gasket:**
Grade "E" EPDM (Color code: Green stripe) Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine or chloramines, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals.
Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
Maximum Temperature Range: -30°F (-34°C) to +230°F (+110°C)*.
*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.
 - Other options: Grade "T" Nitrile
Grade "O" Fluoroelastomer.
Grade "L" Silicone.
 For additional details contact Shurjoint.
- **Bolt & Nuts:**
Heat treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi (758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.