



TNE MEC[®] 140-1211 PRIMER COATED C153 DUCTILE IRON MECHANICAL JOINT FITTINGS

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BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.
- PRESSURE:** • 350 PSI Water Working Pressure 2" - 24".
• 250 PSI Water Working Pressure 30" - 48".
• 150 PSI Water Working Pressure 54" - 64".
- TESTING:** • In accordance with ANSI/AWWA C153/A21.53.
• In accordance with UL - FM requirements.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with the prevailing standards and SIGMA Quality Management Standards.
- LAYING LENGTH:** • Short body design - straight section of body deleted to provide a compact and lighter fitting without reducing strength or flow characteristics.
• In accordance with ANSI/AWWA C153/A21.53.
- DEFLECTION:** • Maximum allowable deflection for MJ Joint on a full length pipe is as mentioned below:
1. 3" - 4" = 8 Degrees
2. 6" = 7 Degrees
3. 8" - 12" = 5 Degrees
4. 14" - 48" = 3 Degrees
- COATING:** • **TNE MEC[®] Series N140 Pota-Pox[®] Plus** Innovative potable water coating which offers high-build edge protection and allows for application at a wide range of temperatures (down to 35°F or 2°C with 44-700 Accelerator). For use on the interior and exterior of steel or concrete tanks, reservoirs, pipes, valves, pumps and equipment in potable water service.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- T-BOLTS:** • Low Alloy corrosion resistant high strength steel in accordance with ANSI/AWWA C111/A21.11.
- APPROVALS:** • 3"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • Certified to NSF61 Standard including Annex G & 372.
• ANSI/AWWA C153/A21.53 for Compact Ductile Iron Fittings 2"-64" for water and other liquids.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.

