PROTECTO 401

Ceramic Epoxy Lined Ductile Iron Fittings

SIGMA™

Quality – Service – Commitment – Delivered.

PROTECTO 401 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:
- Interior of fitting is lined with Protecto 401 (ceramic epoxy coating) standard for lining ductile iron pipe and fittings. Designed specifically for the protection of ductile iron for sanitary sewer service by providing a reliability similar to cement mortar lining in drinking water service but having the excellent chemical resistance of a novalac epoxy for septic sewer service.
- *Exterior of fitting is seal coated (asphaltic material) in accordance with ANSI/AWWA C153/A21.53 and NSF61 approved.

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:
- ***Exterior coating** certified to NSF/ANSI/CAN 61 and NSF/ANSI 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.

FM APPROVED

Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372