SIGMA™

Quality – Service – Commitment – Delivered.

FUSION BONDED EPOXY COATED C110 DUCTILE IRON FLANGED FITTINGS

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BASIC SPECIFICATIONS

SIZES:
- 2” - 64”

MATERIAL:
- Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.

PRESSURE:
- 250 PSI Water Working Pressure for Ductile Iron sizes 2” - 48”.
- 150 PSI Water Working Pressure for Ductile Iron sizes 54” - 64”.

TESTING:
- In accordance with ANSI / AWWA C110 / A21.10 where applicable.
- Other items are in accordance with manufacturer’s standards.
- 54” and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- 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 SIGMA Quality Management Standards.

LAYING LENGTH:
- In accordance with ANSI / AWWA C110 / A21.10 where applicable.
- Other items are in accordance with manufacturer’s standards.
- 54” and above Flanged Fittings are manufactured as per AWWA C153/A21.53.

COATING:
- SIGMA FBE Coated Fittings are NSF61 and Annex G approved for potable water applications. The Epoxy Coated Fittings meet or exceed ANSI/AWWA C116/A21.16 and C550 standards (Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior surfaces of Ductile-Iron and Gray-Iron fittings for water supply service).
- FBE coated fittings of SIGMA are available from 2” to 48” in accordance with ANSI/AWWA C110/A21.10.

GASKETS:
- SBR in accordance with ANSI/AWWA C111/A21.11.
- Also available in EPDM, NBR and CR.

APPROVALS:
- 2”-16” Underwriters Laboratories listed and Factory Mutual Approved.

STANDARDS:
- Certified to NSF61 Standard including Annex G & 372.
- ANSI / AWWA C110 / A21.10 Where applicable.
- Other items are in accordance with manufacturer’s standards.
- 54” and above Flanged Fittings are manufactured as per AWWA C153/A21.53.

INSTALLATION:
- Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.