

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.
- DRILLING**
- In accordance with ANSI/ASME B16.1 Class 125 Flanges
- CEMENT LINING:**
- Double cement lined in accordance with ANSI/AWWA C104 / A21.4.
- COATING:**
- Interior of fitting is seal coated (asphalt material) in accordance with ANSI / AWWA C104/A21.4 and NSF61 approved.
 - Red Primer Outside.
 - For special conditions, other types of coatings and linings are available.
 - Please specify when ordering.
- GASKETS:**
- SBR in accordance with ANSI/AWWA C111/A21.11 & 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.