



Certificate of Compliance : Flange Adapter Restraint For DI And PVC Pipe - EZFA

Date

SIP certifies that our 4" – 24" Ductile-Iron Mechanical Flange Adapter Restraint for Ductile Iron and PVC Pipe are designed, manufactured, and distributed as per the Waterworks industry standards. All castings are tested and traceable by casting markings to the below standards. Please refer to our website www.sipindustries.com for up to date product data and technical advisories.

Conformances

- ANSI/AWWA C110/A21.10 – Ductile-Iron and Gray-Iron Fittings for Water Service
- ANSI/AWWA C153/A21.53 – Ductile-Iron Compact Fittings for Water Service
- ANSI/AWWA C111/A21.11 – Rubber-Gasket Joints for Ductile-Iron Pressure Pipe Fittings
- ANSI/AWWA C116/A2116 – Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior Surfaces of Ductile-Iron and Gray-Iron Fittings
- ASTM 1674 – Standard Test Method for Joint Restraint products for use with PVC

- Flange Adapter : Ductile Iron per ASTM A536, Grade 65-45-12
- Restraint Gland : Ductile Iron per ASTM A536, Grade 65-45-12
- Wedges : Ductile Iron per ASTM A536, Heat treated and Hardened
- Torque Bolt Assembly : Ductile Iron per ASTM A536, Grade 65-45-12
- Gaskets : Gasket material composition: Standard - SBR (Buna-S)
Optional compositions: NBR (Buna-N), EPDM, CR, or FKM
Flange adapter comes with flange sealing O-ring on flange face, no red rubber flange gasket needed and if used will comprise seal.
- Fasteners : M.J. T-Bolts, Eye-Bolts & Nuts: High Strength-Low Alloy ASTM A242 Steel
Optional Fluoropolymer coating available
Optional Type 304 or 316 Stainless Steel Bolts & Nuts available
- Coatings : Flange Adapter Seal coat, interior and exterior are bituminous asphaltic paint
Optional Fusion Bonded Epoxy (FBE) coating.
Gland Alkyd, Direct to Metal (DTM) Enamel
Optional EZ-Shield® – Polyester Based Resin
Wedges & Torque Bolt Assemblies Fluoropolymer
- Listings and Approvals
- Listed by Underwriters Laboratory (UL) 194 DI for 4" – 24". Listings can be provided or found at UL website.
 - Listed by Underwriters Laboratory (UL) 194 PVC for 4" – 12". Listings can be provided or found at UL website.
 - Approved by Factory Mutual (FM) Class 1620 for 4" – 12". Approvals can be provided or found at FM website.
 - Coatings and linings are NSF-61, and NSF 372 Certified.
 - Foundry Certifications: ISO 9001

Markings and Traceability

All castings have markings for identifications and traceability. Heat and foundry codes are also cast on each casting for traceability. If material certifications are required, please identify on purchase documents prior to shipping from manufacturer.

Sincerely,

Roger Johnson
Director of Technical Services
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Project Name	
Project Location	
Distributor	
Contractor	



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