



**SIP Industries**  
Quality Manufacturer Since 1960

**Certificate of Compliance : EZ Grip® Mechanical Joint Restraint For PVC - EZPVC**

Date

SIP certifies that our 3” – 36” Ductile Iron Mechanical Joint Restraint for PVC 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](http://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
- ASTM 1674 – Standard Test Method for Joint Restraint products for use with PVC Pipe
- Pressure rating equal to that of the PVC pipe rating, with 2:1 Safety factor

- Restraint Gland : Ductile Iron per ASTM A536, Grade 65-45-12
- Wedges : Ductile Iron per ASTM A536, Grade 65-45-12
- 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
- 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 : 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) for 4” – 12” on AWWA C900 Class 235 DR-18 PVC Pipe. Listings can be provided or found at UL website.
- Approved by Factory Mutual (FM) for 4” – 12” at 200 psi for AWWA C900 Class 305 Dr-14 PVC pipe and at 150psi on AWWA C900 Class 235 DR-18 PVC Pipe. Approvals can be provided or found at FM website.
- 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  
[rjohnson@sipindustries.com](mailto:rjohnson@sipindustries.com)

Project Name	
Project Location	
Distributor	
Contractor	



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