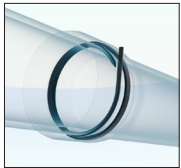


TECHNICAL BULLETIN

Certa-Lok® RJIB vs. Restrained Gaskets: Joint Performance

The following provides a comparison of Westlake Pipe & Fittings' Certa-Lok® Restrained Joint Integral Bell (RJIB) PVC pipe to restrained gaskets—also known as HydroGrip™, ReiberLok®, Eagle Loc RL™, JetLoxx, and Grip-Tite™—installed in non-restrained C900 pipe. For the purposes of this document, HydroGrip, ReiberLok, Eagle Loc RL, JetLoxx, and Grip-Tite will be collectively referred to as 'restrained gaskets'.

| Performance Features            | Certa-Lok® RJIB                    | Restrained Gaskets                                                     |
|---------------------------------|------------------------------------|------------------------------------------------------------------------|
| Removable & Reinstallable Joint | ✓ Disassemble and reassemble joint | ✗ Permanent, must cut to remove                                        |
| Push/Pull HDD Capability        | ✓ Push and pull                    | ✗ Pull only                                                            |
| Risk of Corrosion               | ✓ No, metal free joint             | ✗ Yes, exposed metal teeth                                             |
| Proven Performance              | ✓ 50+ years, 70 million feet       | ✗ Limited, less field data                                             |
| Gasket Installation             | ✓ Factory installed gasket         | ✗ Field-installed gasket increases chances of contamination and damage |
| Gasket Lubrication              | ✓ Standard installation            | ✗ Conflicting guidance*                                                |
| Potential For Pipe Damage       | ✓ None                             | ✗ Teeth create uncontrolled gouges in pipe surface                     |



Certa-Lok® spline around pipe joint



Metal teeth gouge into pipe material.\*\*

\*Some manufacturers caution that lubricant may cause gasket dislocation; always consult brand-specific instructions.  
\*\*Tested pipe sample disassembled during product evaluation.

WHY CERTA-LOK EXCELS

Fast & Flexible Assembly

Certa-Lok can be assembled and disassembled multiple times—without tools, extra parts, or pipe damage.



Push & Pull Versatility

Certa-Lok's plastic spline locks the joint securely in both directions, allowing for both push and pull installation through casings.



Spline Prevents Cascading

Certa-Lok's bi-directional lock stops over-inserting previously assembled joints as pipe is pushed together.



PULL FORCE PERFORMANCE

- **Certa-Lok RJIB:** Can achieve pull forces up to twice those of HydroGrip gasketed pipe, as calculated with a published 2:1 safety factor based on the ultimate tensile force.
- **Restrained Gaskets:** Grips the pipe wall directly with metal teeth, which can increase the risk of pipe damage under high tension. There is no published pull force safety factor.

WARRANTY

- Westlake Pipe & Fittings (WPF) provides a product warranty that covers the pipe and all of its components.
- Using HydroGrip with WPF pipe voids the WPF product warranty.

CERTA-LOK AVAILABILITY

- With distribution centers across North America stocked to regional needs, products you depend on are delivered on time, in full.
- Available from major waterworks distribution branches nationally.
- Additional pipe is readily available if needed on a job site.

AGENCY CERTIFICATIONS

- Every 20' piece of C900 and Certa-Lok pipe is hydrostatically pressure tested at the factory assuring compliance with AWWA, NSF and UL standards.
- Replacing gaskets with non-WPF approved gaskets voids the manufacturer's certification to 3<sup>rd</sup> party standards.

| MAXIMUM PULL FORCE (LBF) |           |           |
|--------------------------|-----------|-----------|
| Nominal Diameter         | DR18      |           |
|                          | Certa-Lok | HydroGrip |
| 8                        | 27,500    | 15,000    |
| 12                       | 60,000    | 32,000    |
| 16                       | 72,000    | 55,000    |
| 18                       | 101,000   | 70,000    |
| 24                       | 126,000   | 122,000   |

\*Other sizes and pressure classes available, contact sales.  
Note: HydroGrip values obtained from Hultec's website, June 16, 2025.