



Stainless Steel UFR1300 Restraints 4"-12"

Product Release

05/2024

Uni-Flange® Stainless Steel Restraints for C900 PVC Pipe, C906 HDPE and Stainless Steel Pipe

The UFR1300 restraint family is now available in type 304 or 316 stainless steel for applications that may be too corrosive for ductile iron. The stainless UFR1300 restraints offer a fast and reliable method of restraining PVC, HDPE, and stainless steel pipe, fittings, valves and hydrants.



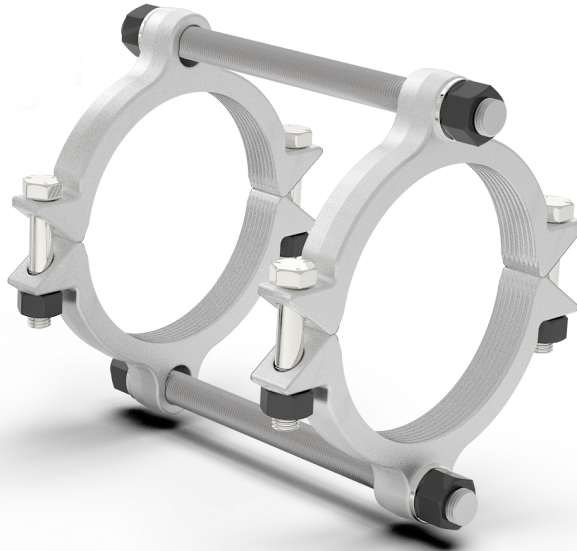
Features

- Available in sizes 4" through 12".
- Restraint made from type 304 (1300X) or 316 (1300Q) stainless steel per ASTM A240.
- T-bolts, side clamping bolts and nuts – type 304 (1300X) or 316 (1300Q) stainless steel per ASTM A193 and A194.
- Rated to full-rated pressure of any class PVC pipe, minimum 2:1 safety factor.
- Rated to full-rated pressure of any class C906 HDPE (provided a stainless steel insert is used and extends completely beneath the restraint).
- Rated to 150 psi on stainless steel pipe (schedule 10 minimum).
- 360° contact eliminates stress concentrations and provides support for the pipe wall.
- Ideal companion for push-on fittings with restraining ears.
- Stainless UFR1350, UFR1360 and UFR1390 harnesses also available. See back page for details.

The Stainless Steel UFR1300 Uni-Flange® Restraint Family

UFR1390X or UFR1390Q Bell Joint Restraint Harness New and existing applications

X = 304
Q = 316



UFR1350X or UFR1350Q Bell Joint Restraint Harness New applications



UFR1360X or UFR1360Q Restraint Harness for PVC Pressure Fittings New and existing applications



Sample Specification - Stainless 1300X / 1300Q Restraint

Restraint devices for PVC, HDPE, and stainless steel pipe shall incorporate a series of serrations on the inside diameter to provide positive restraint, exact fit, and full contact and support of the pipe wall. **Restraint devices shall be manufactured of stainless steel per ASTM A240.** Bolts and connecting hardware shall be of Type 304 or 316 stainless steel per ASTM A193 or A194.

All restraint devices for PVC and HDPE pipe shall have a water working pressure rating equivalent to the full-rated pressure of the PVC and HDPE pipe on which they are installed, with a minimum 2:1 safety factor in any nominal pipe size. All restraint devices for stainless steel pipe shall have a water working pressure rating of 150 psi with a minimum 2:1 safety factor in any nominal pipe size. Restraint devices for Mechanical Joint or Push-on fittings shall be manufactured by a facility independently certified to ISO 9001 quality standard and shall be Uni-Flange® 1300 or approved equal.