

Uni-Flange® Restrained Casing Spacers

THE ONLY PRODUCT WHICH PROVIDES SUPPORT AND JOINT RESTRAINT

The Ford/Uni-Flange Restrained Casing Spacer is the only casing spacer to combine axial joint restraint (thrust restraint preventing pipeline separation) with casing spacer performance. It is two products in one. This reduces material inventories and installation costs. No

special off-site fabrication is required. The Uni-Flange system uses standard, off the shelf components which can be added to the restrainers on the job-site. Parts are interchangeable and the installer can "custom build" each restrained casing spacer according to job-site conditions. Lead times are substantially reduced or eliminated.



The crew makes final adjustments to the pipe before installation into the casing.

Recently, the Pascal Construction Company of Golden, Colorado completed the Murphy Creek and Sand Creek Interceptor project in Aurora, Colorado utilizing Ford / Uni-Flange Restrained Casing Spacers. The project was designed by HDR Engineering of Denver, Colorado. HDR project manager Kevin Meador provided the details.

This pipeline will convey four million gallons per day of reclaimed water from the Aurora Reuse Wastewater Treatment plant to the new Murphy Creek Golf Course, a distance of some ten miles. It will also provide for irrigation and other miscellaneous uses.

The carrier pipe is 16" AWWA C-905, DR-25 PVC



A Uni-Flange UFRCS1390 installed at the joint is shown as it enters the casing. Also shown installed are two UFRCS1300s. These fittings are installed to provide support of the pipe between the joints.

pipe. When the pipe was installed underneath the E-470 tollway to Denver International Airport, it was placed inside 30" steel casing pipe. Uni-Flange restrained casing spacers were used during this installation, to prevent joint separation during thrust conditions and to support the pipe inside the casing. The specially designed polymer runners also facilitate carrier pipe installation into the casing, acting as friction reducing "sleds."

The 16" pipeline was tested at 150 psi, with the Uni-Flange restrained casing spacers acting as the only form of thrust restraint. The Pascal Construction Company found the use of Ford / Uni-Flange restrained casing spacers made the installation of the carrier pipe fast, easy, and secure.

For more information about the Ford / Uni-Flange Restrained Casing Spacer, contact your local Ford / Uni-Flange distributor or call the Ford Meter Box Company.

