

SIGMAFLANGE™ Adapter

Installation Instructions

1. Examine the SIGMAFLANGE adapter sleeve to insure that all parts are free of damage and the SIGMA provided O-ring is properly secured in the cavity located on the face of the flanged end. Clean the pipe end thoroughly of any dirt or debris to facilitate the assembly of the mechanical joint gasket and provide a proper seal. Slide the SIGMA ONE-LOK™ restraining gland over the pipe end with the frontal lip facing the pipe end. Thoroughly apply soapy water or approved pipe lubricant per the ANSI/AWWA C111/A21.11 standard to the UL recognized mechanical joint gasket and the plain end of the pipe and slide the gasket over the plain end pipe making sure the tapered side of the gasket is facing the pipe end.

2. Install the SIGMAFLANGE adapter sleeve against the mating flanged outlet and insert the flange bolts in the corresponding bolt holes. Completely assemble the flanged joint (flange bolts are not included with the SIGMAFLANGE adapter). Insert the plain end pipe with the mechanical joint gasket and ONE-LOK restraining gland into the mechanical joint end of the adapter sleeve. The pipe must be inserted into the SIGMAFLANGE sleeve a minimum distance of 2.125" on 3"-4", 2.5" on 6"-12", and 3" on 14"-24" in order to accommodate the maximum deflection in the joint.

3. Ensure that the pipe is centered and the spacing of the pipes outside diameter and adapter sleeve's inside diameter are even throughout the entire circumference of the joint. Slide the mechanical joint gasket forward and seat evenly inside the mechanical joint cavity of the adapter sleeve, followed by the ONE-LOK restraining gland and hand tighten the necessary t-head bolts and nuts in the corresponding bolt holes. If joint deflection is required, make deflection following joint assembly but before tightening the bolts.

4. Install the SIGMA ONE-LOK restraining gland in accordance with the SIGMA installation instructions as appropriate for PVC or ductile iron pipe.

