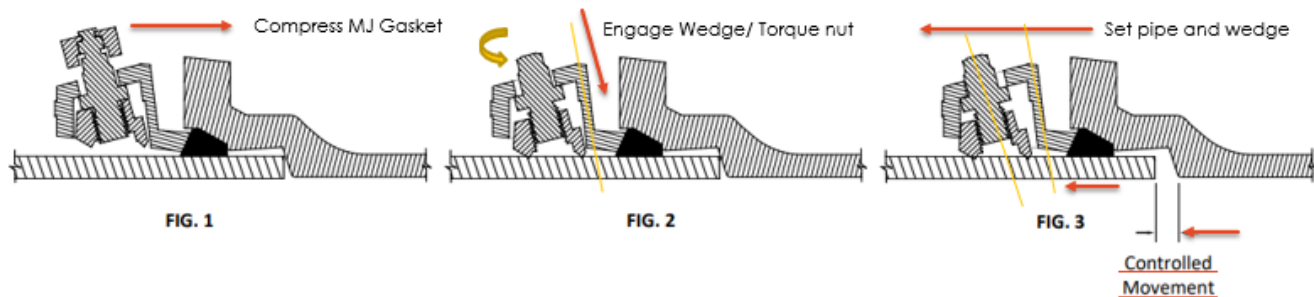




Title	Joint Restraints Wedge Movement and Encasement
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The wedge type joint restraint was design on the principle of a cam action of the wedge connecting to the pipe. The greater the force pulling outward, the greater the engagement of the wedge to cam into the pipe. An initial set of the wedge restraint is required prior to service of the system.

After following our Installation Procedures, Wedge Action Restraints need to be engaged, or ‘set’, by either mechanically pulling piping/fitting or pressurizing the unrestricted assembly to set the wedges. Make sure there are no dirt or debris that could interfere with the controlled movement of the wedge and pipe end (see diagram below).



This procedure fully engages and cams the wedges onto the pipe surface to ensure full restraint capability, but also allowing for deflection ability. If this engagement process is not done or is impeded, the restraint may not hold and could slip on the pipe resulting in the joint not being restrained.

After that, we recommend a poly wrap encasement to protect the joint assembly, especially if a concrete encasement is going to be used around the joint for further stability.

