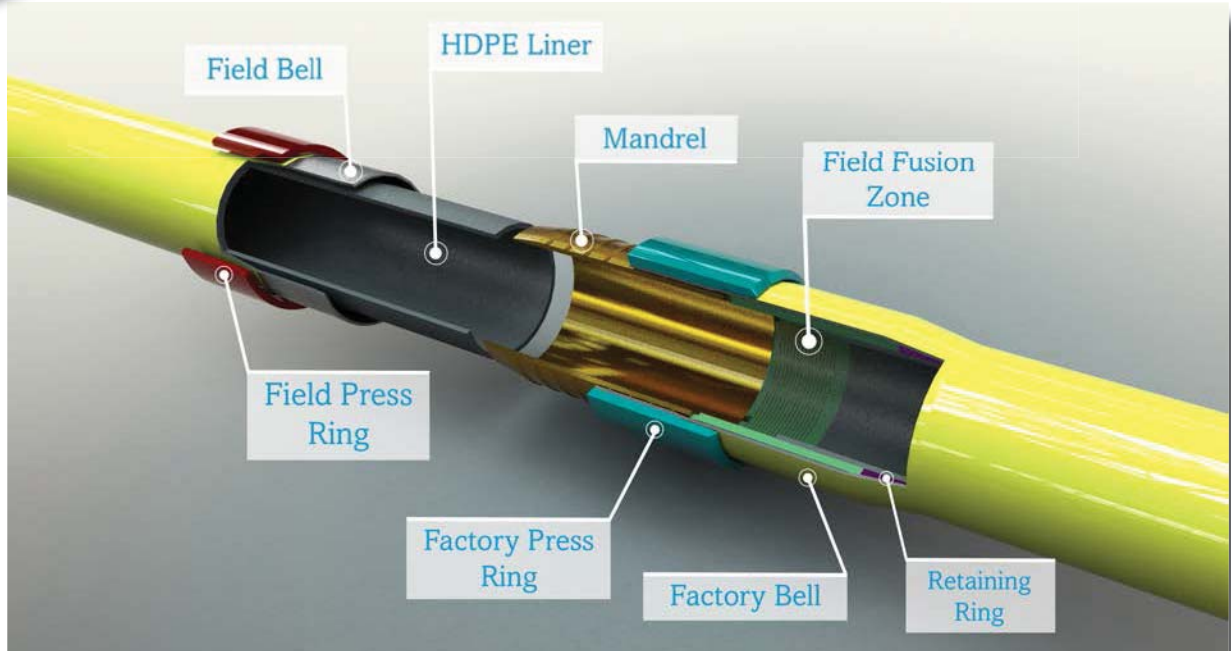




ClickWeld®



ClickWeld® is the innovative proprietary mechanical joining system of CORE Linepipe®. The ClickWeld® system uses a combination of carbon steel components to form a gas and liquid tight connection that eliminates the need for field welding.

At the CORE Linepipe® factory, a bell is created on each pipe end using a cold-work process. This bell allows the ClickWeld® components to be inserted without creating a flow restriction at the ClickWeld® connection.

Next, a mandrel made from a high-grade carbon steel is inserted inside the bell and a ring, of the same material, is pushed over the bell, compressing and plastically deforming the steel pipe onto the profile of the mandrel.

In the field, the field end is inserted onto the mandrel of the factory end. Next, the field press ring is pulled over the mandrel, compressing and plastically deforming the steel pipe onto the profile of the mandrel. This forms the mechanical connection and completes the ClickWeld® joint.