



LG Liner Extension Assembly

The LG Liner Extension Assembly consists of a receptacle, a type LG Seal Nipple and an orifice collar. It has proven to be a superior method of extending the liner to the surface of the well.

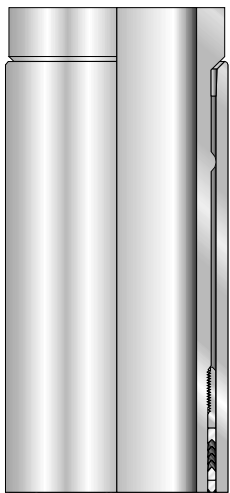
Using the polished bore receptacle of the LG Setting Collar and type S Liner Packer, this assembly facilitates the entry and subsequent seal of the nipple into the bore.

The LG Seal Nipple is run at the bottom of the liner extension. Depending on the application, it employs either a premium, Chevron-type unitized seal assembly or a series of O-rings with lead-faced locator shoulders. Both designs deliver a solid seat and permanent seal.

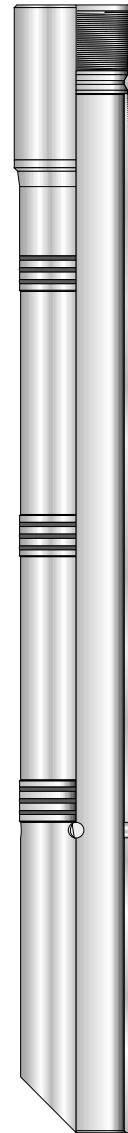
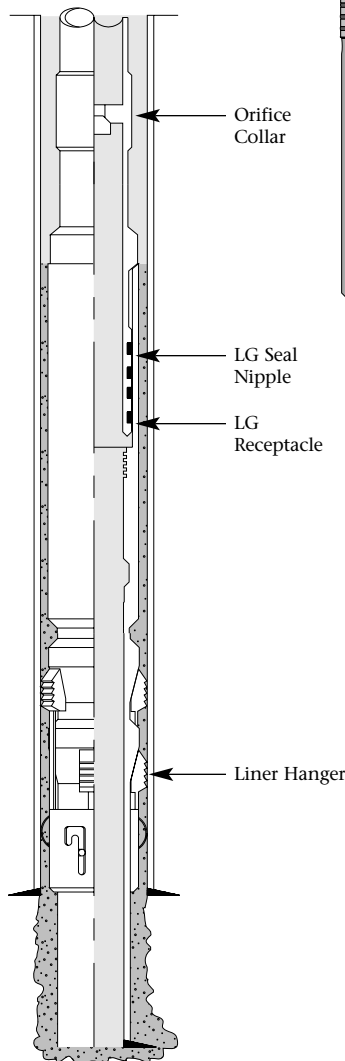
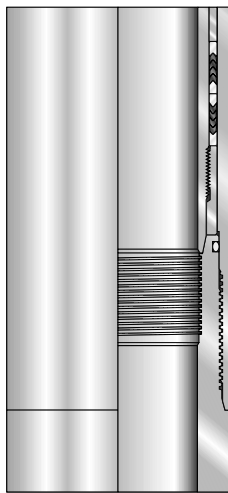
The orifice collar normally included in the LG Liner Extension Assembly is positioned one joint above the seal nipple. This prevents hydraulic blockage as the seal is engaged in the receptacle and allows the liner extension to fill at a predetermined rate as it is run. The orifice collar also serves as a stop for the cement plug. It is constructed of drillable materials. See page 46 for seal selection guide.

High-Pressure Applications

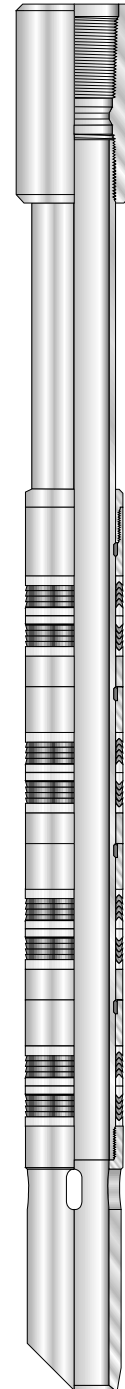
For high-pressure tie-back application, a Chevron-type unitized seal assembly is available with metal-to-metal nose and ball seal and matching heavy-duty receptacle. The combination of the heavy-duty receptacle and a dual seal nipple delivers unmatched pressure integrity.



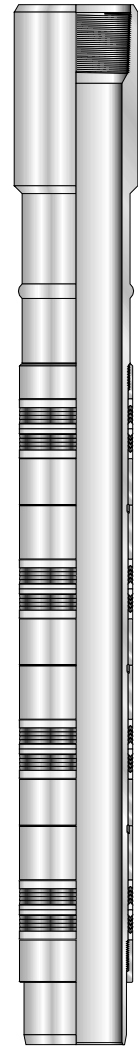
Enlarged View of Metal-to-Metal Seal



LG Seal Nipple with O-Ring Seals



LG Seal Nipple with Unitized Seal Assembly and Orifice Collar



LG-6 Chevron Seal Nipple with Metal-to-Metal Seal