

www.RieberLok.com



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RieberLok™

Casing Guidelines

Information including assembly instructions, field cut instructions, HDD guidelines, and more can be found at www.RieberLok.com

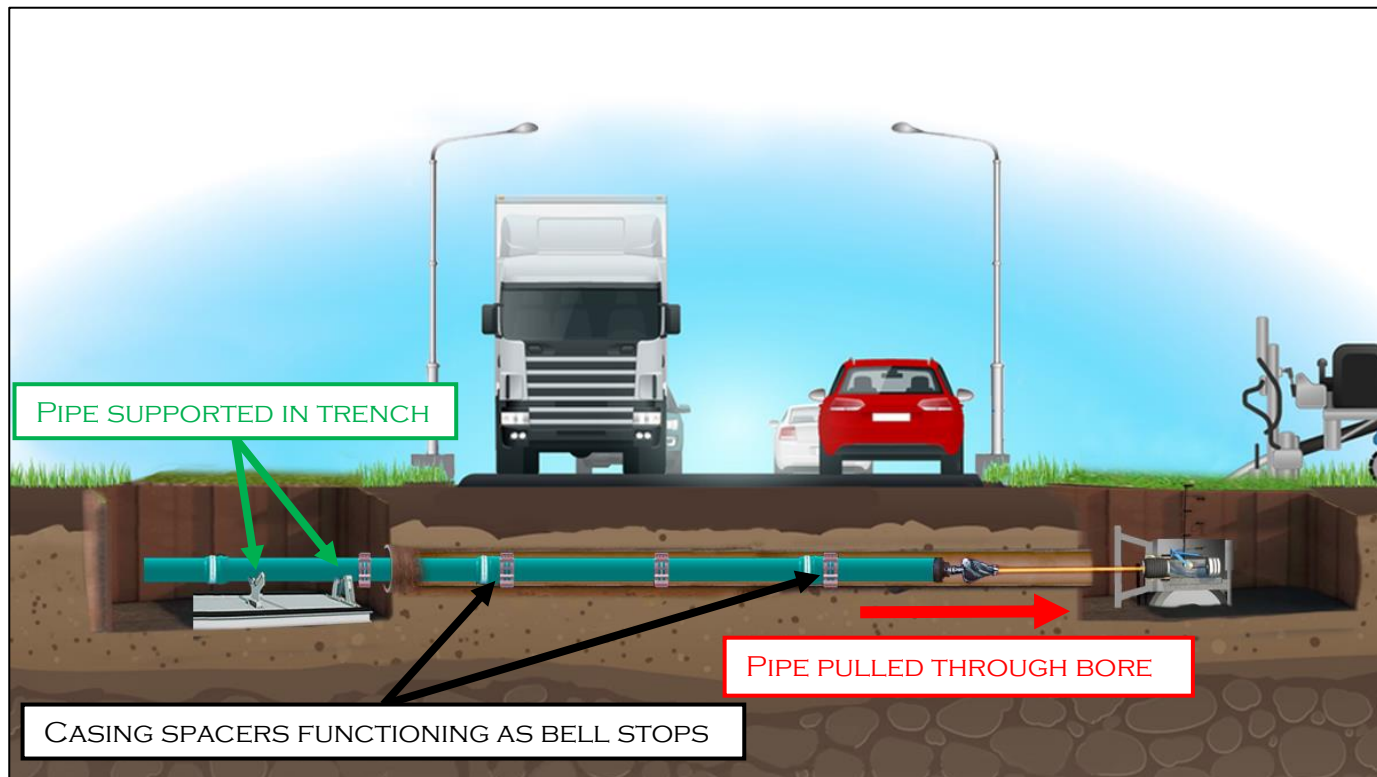


RieberLok™ Casing Guidelines

Jobsite Considerations:

- The casing should be sized for adequate clearance between the ID of the casing and the largest OD of the pipe and/or the largest OD of the casing spacer(s), whichever is greater.
- The casing bore should be clean and free of debris or imperfections that might impede a smooth pull of the pipe through the casing.
- Pipe may be installed one joint at a time, that is the first pipe is pulled into the casing prior to the second pipe being mated with it, or as a completely assembled string of pipe.
 - In either case, care must be taken to ensure that the joint is not over deflected during pipe joint assembly and pipe installation.
 - The joint cannot be over-belled (i.e., the spigot of the mating pipe being inserted into the bell beyond the manufacturers assembly stripe). Doing so greatly limits the pipe joint's deflection capability and may lead to failure of the joint.
 - Over insertion of one pipe into the next voids the RieberLok and pipe manufacturer's warranties.
 - Using a casing spacer as a bell stop (assemble the spacer on the spigot end of the pipe so that the spacer edge closest to the spigot end aligns with the assembly stripe) greatly reduces the risk of over-insertion.
- On both the entrance and exit of the casing, the pipe must be supported.
- Casings are typically laid out in a straight line and allow an easy pull. If the casing contains bends or other offsets, the pipeline designer must ensure that the casing, pipe and associated spacers are sized and located such that there is no interference between any of these components when the pipe is installed in the casing.

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Joint Assembly:

It is critical that the gasket be installed with the painted face marked with "INSTALL THIS FACE OUT" pointing out of the bell and facing the installer. The gasket must be installed in a clean and dry bell socket.

- Strict attention must be paid to the assembly of the joint.
 - Do not insert the spigot of the mating pipe into the bell beyond the manufacturer's joint assembly strip as this may reduce the maximum allowable joint deflection.
 - Over insertion of the spigot (over-belling) voids both RieberLok's and the pipe manufacturer's warranty.
- Pipe alignment during joint assembly is critical. Ensure that one pipe is aligned with the mating pipe prior to, and during, the joint assembly process.
- RieberLok gaskets should be installed at a temperature above 40o F. If the gaskets are below that temperature, they should be warmed prior to installation.
 - Submersion of the gasket in warm water is one method
- RieberLok Joint Assembly Instructions and Field Cut Instructions may be found at www.RieberLok.com.

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Casing Spacers:

- If casing spacers are used, their equivalent OD should be greater than the largest OD of the pipe (typically the bell OD).
- Casing spacers attached to the pipe are highly recommended but may not be absolutely necessary depending on the size and layout of the casing.
- Installing a casing spacer on the assembly stripe and using it as a bell stop can greatly reduce the chances of over bellling the joint either during joint assembly or if the pipe assembly is pushed through the casing; pushing is not recommended.
- At least two casing spacers per pipe are recommended, one at the assembly stripe on the spigot and one mid-pipe.
 - Best results are obtained with a third spacer located immediate behind the bell chime to fully support the pipe joint.
 - Depending on pipe size and class, more spacers may be required to ensure the pipe is fully supported in the casing.

