Cross-linked shrinkable joint for pre-insulated pipe systems, using moulded foaming
The shrinkable LOGSTOR BXSJoint is designed for maximum safety and simplicity. It is a double-sealed casing joint, based on a special LOGSTOR foam moulding technique that does not require foam or air vent holes.

This makes it slim, smooth and extremely durable, and helps ensure maximum reliability for the pipe installation as a whole.

The sleeve of the BXS joint is made of extruded crosslinked polyethylene (PEX). This is a particularly strong material with exceptional shrinking properties that maintain the integrity of the joint throughout its service life.

Using a BXSJoint to join two lengths of LOGSTOR pre-insulated pipe helps keep any risk of faulty installation to the bare minimum. At the same time, it ensures the most effective possible insulation over the joint between different sections.

The sleeve consists of only a few components. It is quick and easy to assemble, only requiring a minimum of manpower and no special tools. The design also makes it easy to check whether the joint has been installed correctly.

**Visual checks of insulation foam quality**

The BXSJoint is placed on the pre-insulated pipe before the individual pipe lengths are welded together. The foam moulding process is then carried out inside a special aluminium housing strapped around the two pipe casing ends.

Removing the housing makes it easy to check the quality of the insulation foam before the casing joint is installed. This way of installing the insulation over the joint does away with any need for holes for foaming and air venting, thus ensuring that the joint has a smooth outer surface.

**Diffusion barrier over the joint**

The aluminium housing can also be left around the foam insulation in order to act as a diffusion barrier. This makes the BXSJoint ideal for use in combination with continuously produced LOGSTOR pre-insulated pipes fitted with diffusion barrier.

**Familiar technology**

LOGSTOR BXSJoint is a special version of the LOGSTOR BXJoint, using foaming instead of factorymade insulation half-shells.

Once the foaming has taken place inside the aluminium housing, the BXSJoint casing joint is fitted in the same way as with the familiar LOGSTOR BXJoint.

Further information is available at www.logstor.com/manual.
Benefits of using cross-linked PEX

The unique molecular structure of cross-linked polyethylene (PEX) means that its properties include exceptionally strong shrink forces.

When heated, PEX can be moulded to any required shape, which it will retain when cooled. If the material is subsequently reheated to 125–160 °C, it will return to its original shape.

In contrast to standard high-density polyethylene (HDPE), PEX is unaffected by any overheating during installation, and it retains its shrink force, with no creep deformation, throughout its service life.
distributing energy efficiency