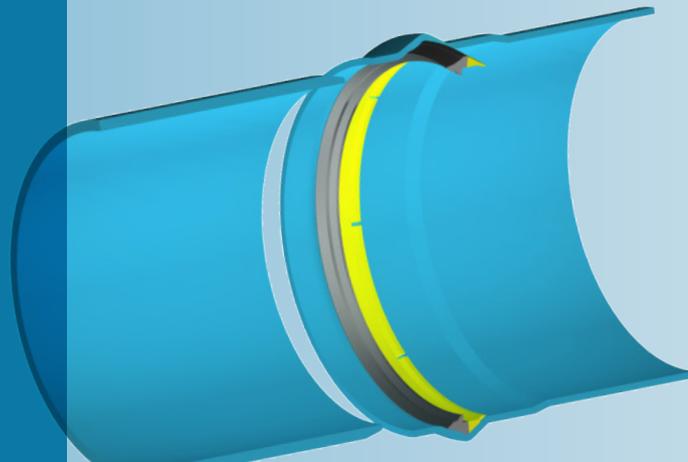


Forsheda 607 PIP-LOCK

**PIP-Lock bellings
brings increased
productivity**



GENERAL APPLICATION

Forsheda 607 PIP-Lock is a sealing system for plastic pipes for indoor, irrigation and underground wastewater applications. It is an integrated system where the seal and mandrel act together as a tool to form the pipe socket during pipe manufacture. Detailed information is available on request.

SEAL DESIGN AND FUNCTION

Forsheda 607 PIP-Lock is a composite seal consisting of:

A flexible TPV element to seal effectively against spigot and socket.

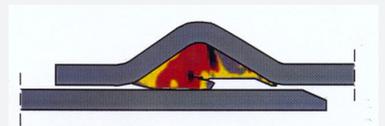
A polypropylene reinforcement element, bonded to the TPV, which holds the seal firmly in place.

The seal becomes part of the socket forming tool used to shape its own seal groove reducing irregularities and tolerances in the socket.

LOW MAINTENANCE –REDUCED DOWNTIME

Intricate moving segment tools require frequent, cleaning and adjustment, causing expensive production stoppages in order to avoid problems such as internal scoring. The simplified PIP-lock mandrel produces a consistently

smooth bore, dramatically reduces down-time and allows quick tool changes. It brings considerable reductions in maintenance costs and greatly extended service life.



MINIMAL REJECT RATE

Increased reliability of the bellings system reduces rejects to virtually zero, compared with the 5% reject rate while bellings thinner wall pipes. Expensive re-grinding of pipes is, therefore, greatly reduced due to the PP section located in the front of the seal.

MINIMAL RISK OF SEAL DISPLACEMENT

PIP-lock gives increased control over installation quality. The seals are permanently fitted in the pipe during production. It is also designed to allow the joint to be completed with minimal force. This greatly reduces the risk of accidental seals displacement. Together these factors make a major contribution to ease of pipeline commissioning and long term customer satisfaction.

LOW INVESTMENT – MAXIMUM VERSATILITY

The benefits of the PIP-Lock bellings system make it a highly attractive investment which, because of the low mandrel cost, is less expensive than conventional bellings machines. Due to its design of TPV + PP, PIP-Lock seals are easy to be replaced at manufacturing facilities or at job sites. Reducing the scrap due to bended seals using metal rings.

HIGHER QUALITY AT REDUCED COST

The system achieves consistent quality both by its design and because it reduces the opportunity for human error. Tolerance problems caused by the difficulty of controlling bell shrinkage ratios in conventional systems are eliminated. This is because the socket's internal diameter is individually formed directly onto the PIP-Lock seal reinforcement, guaranteeing an accurate fit.

EASY TO USE

PIP-Lock arrive on-site as an integral part of the pipe. Seals are never missing and are always correctly fitted. All that is required is lubrication of the spigot.

SEAL PERFORMANCE

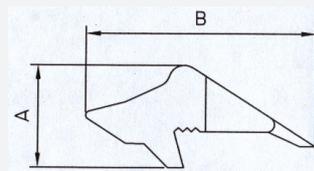
The F-607 PIP-Lock seal should meet or exceed current American standards for wastewater lines both for indoor and underground. Furthermore the seal design gives low assembly forces making pipe jointing easier.
*Seal Under development.

MATERIAL

The PIP-Lock seal is made from two materials. For dimensions 6in to 10in the sealing element is TPV and the plastic retaining element is polypropylene. The TPV material meets the American standard ASTM F-477. Detailed material specification is available from Trelleborg Pipe Seals Lelystad bv on request.

SEAL MARKING AND BOX LABELS

Each seal is marked with seal dimension and period of manufacture. The box is labelled with corresponding data.



EXAMPLES OF SIZES (INCHES)

PIPE SIZE	A	B
6	0.40	0.96
8	0.44	1.06
10	0.54	1.28

*More dimensions coming soon.

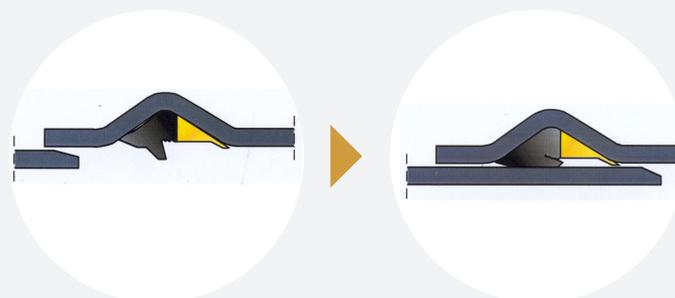
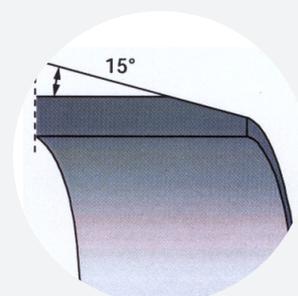
PIPE ASSEMBLY

Chamfer the spigot end.

Clean the socket.

Apply lubricant on the spigot before assembly.

Slide the spigot into the socket, thus compressing the sealing lip.



Pipes with F-607 shall always be laid in accordance with applicable standards and regulations.

Please contact Trelleborg Pipe Seals for technical advice and joint design recommendations to meet your performance requirements.

Examples of authorities Trelleborg Pipe Seals cooperates with:



WWW.TRELLEBORG.COM/PIPE-SEALS