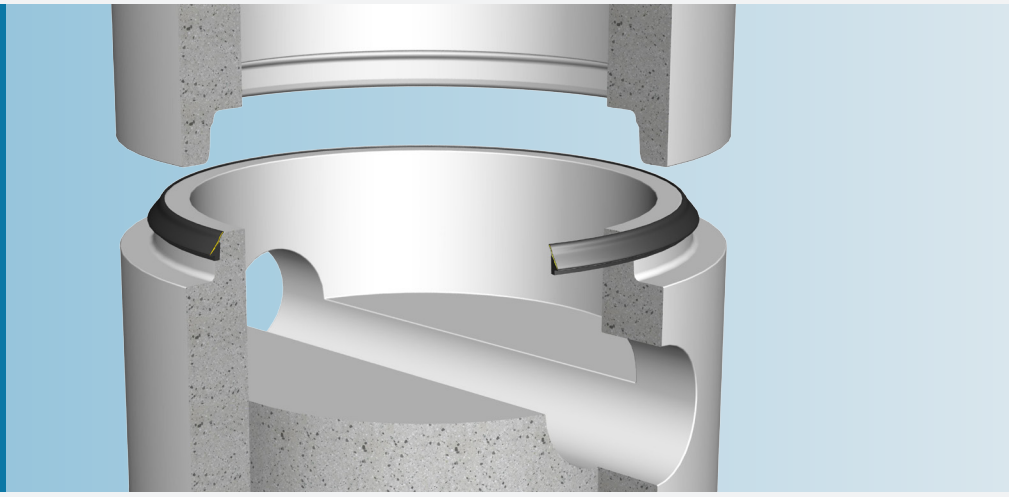
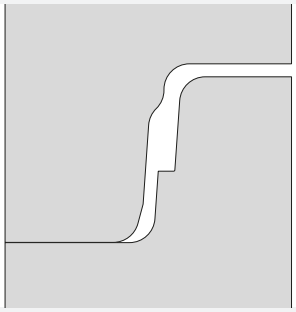
# Forsheda 116

## Pre-lubricated seal for concrete manhole



## SEAL DESIGN AND FUNCTION

The seal is designed as a sliding seal to which lubricant has been applied between the sliding skin and the body of the seal. The tip of the skin is folded over and glued to the body of the seal to ensure the lubricant stays in place. During installation, the adhesive joint releases allowing lubricated skin to slide over the body of the seal. This design permits installation with very low force, as there is no friction between rubber and concrete.



Typical joint design

The special design of the joint and seal make the system easy to centre during jointing.

## TYPICAL JOINT DESIGN

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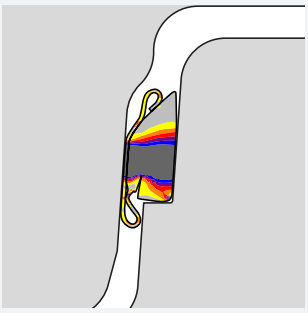


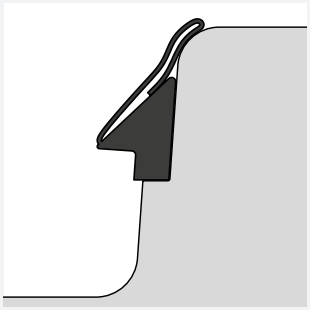
## SEAL PERFORMANCE

The Forsheda 116 seal meets all relevant current European standards. Joint performance is dependent on dimensional accuracy and surface finish of socket and spigot.

Test reports are available from Trelleborg Pipe Seals on request.

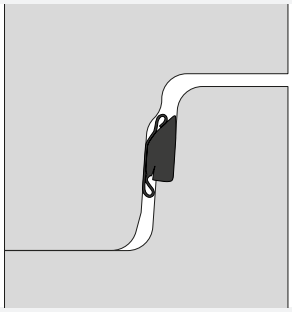
## JOINT ASSEMBLY

Stretch the seal onto the spigot and position against the shoulder. Equalize the stress in the seal by lifting it at a few points. It is vital that the seal seats against the shoulder around the whole circumference of the manhole.

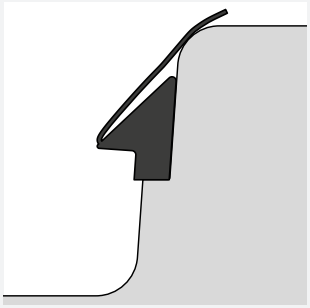


Centre the manhole sections and complete the joint. Depending on the joint design it may be possible to joint one side of the manhole, followed by the other.

The position of the seal in an assembled mahole is shown on picture 3.

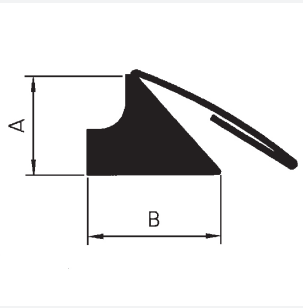


If re-joining is required ensure the sliding skin is drawn back to position as shown in picture 4.



## SEAL MARKING AND BOX LABELS

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




## EXAMPLES OF SIZES (MM)

| A | B | Joint GAP |
|---|---|---|
| 16 | 25.0 | 9.2±,1.2 |
| 18 | 25.0 | 10.4±1.4 |
| 20 | 26.6 | 11.5±1.5 |
| 22 | 30.0 | 12.7±1.7 |
| 24 | 32.0 | 13.5±2.0 |
| 26 | 35.0 | 15.0±2.0 |
| 28 | 38.0 | 16.0±2.5 |
| 30 | 41.0 | 17.1±2.5 |

## MATERIAL

Synthetic SBR or EPDM rubber

Hardness 40±5 IRHD

Approved in accordance with EN 681-1

Protected against ozone

Oil resistant grades are available on request

## QUALITY ASSURANCE

ISO 9001

British Standard ”Kitemark”

CE-marking

**Examples of authorities Trelleborg Pipe Seals cooperates with:**

TRELLEBORG

WWW.TRELLEBORG.COM/PIPE-SEALS