

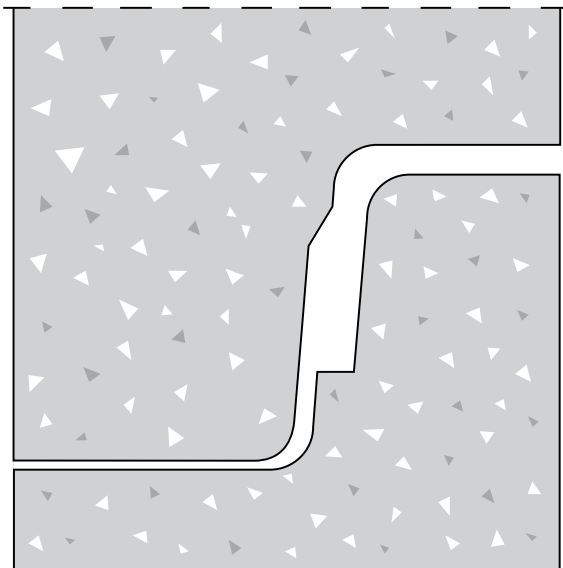
# Forsheda 104

## General Application

Forsheda 104 is a sliding seal designed for use in concrete manholes. In special cases it may also be used for concrete pipes.

## Joint design

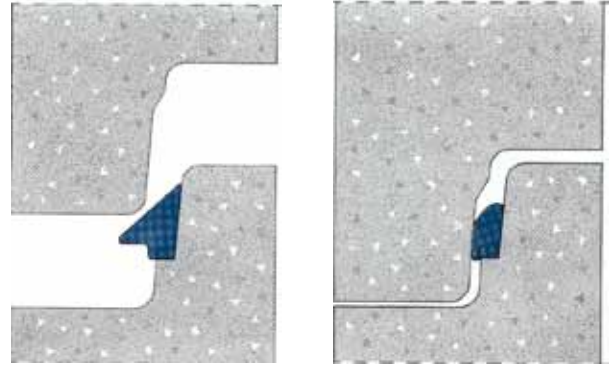
This joint construction is today the adopted standard in many countries. A drawing is available from Trelleborg Pipe Seals on request.



*Joint without Forsheda 104 seal*

## Seal Design and Function

The seal is designed as a sliding seal that is placed on the spigot end of the manhole. The special design of the joint and seal make the system easy to centre during jointing. This design permits installation with very low force.



## Seal Performance

The Forsheda 104 seal meets the requirement of 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.

## 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

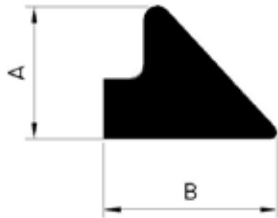
## Quality Assurance

- SS-EN ISO 9001:2000
- British Standard "Kitemark"
- CE-marking

## 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.

## Example of sizes



A, mm	B, mm	Joint gap
16	21,0	9,2±1,2
18	25,0	10,4±1,4
20	26,0	11,5±1,5
22	28,0	12,7±1,7
24	30,5	13,5±2,0
26	33,5	15,0±2,0
28	35,5	16,0±2,5
30	38,0	17,3±2,5

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

Manholes and pipes with F-104 shall always be laid in accordance with applicable standards and regulations.

## Assembly

a.) Stretch the seal onto the spigot and position against the shoulder, picture 1.

Equalize the stress in the seal by lifting it at a few points, picture 2.

It is vital that the seal seats against the shoulder around the whole circumference of the manhole.

b.) Apply lubricant on the socket. The lubricant must be evenly spread over the surface of the entire socket.

c.) Centre the manhole sections and complete the joint, picture 3. Depending on the joint design it may be possible to joint one side of the manhole, followed by the other.

d.) The position of the seal in an assembled manhole is shown on picture 4.



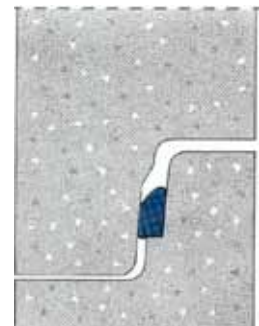
Picture 1



Picture 2



Picture 3



Picture 4

**FORSHEDA**

Example of authorities Trelleborg Pipe Seals cooperates with:



**TRELLEBORG**

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