Forsheda 114

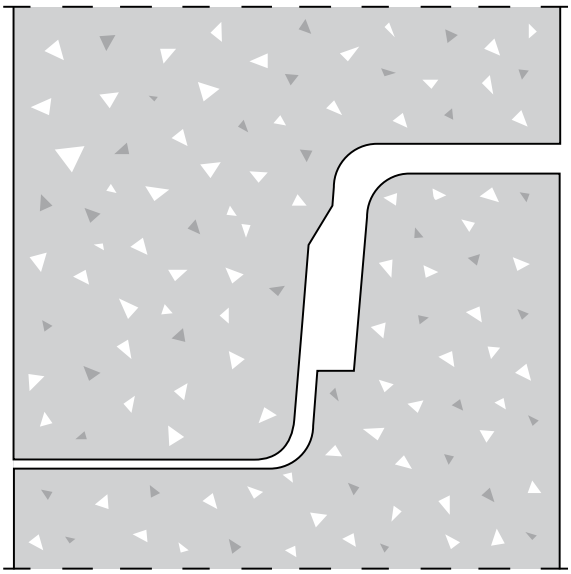
Pre-lubricated sliding seal for manholes

General Application

Forsheda 114 is a sliding seal designed for use in concrete manholes. In special cases it may also be used for concrete pipes.

Joint design

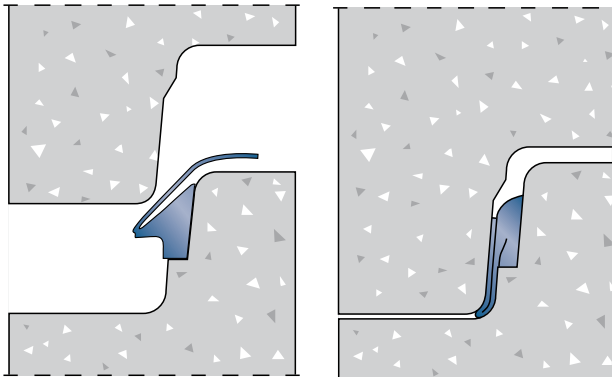
This joint construction is today the adopted standard in many countries. A drawing is available from Trelleborg Forsheda on request.



Joint without Forsheda 114 seal

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. This design permits installation with very low force, as there is no friction between rubber and concrete. The special design of the joint and seal make the system easy to centre during jointing.



Seal Performance

The Forsheda 114 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 Forsheda Pipe Seals on request.

Material

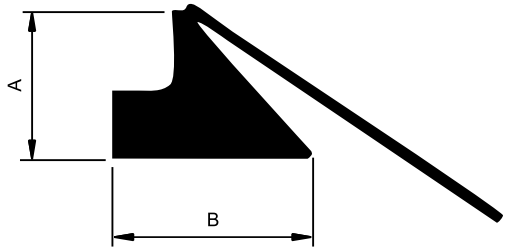
- Synthetic SBR or EPDM rubber
- Hardness 40±5 IRHD
- Approved in accordance with EN 681-1
- Protected against ozone
- Oil resistant grades are available on request

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

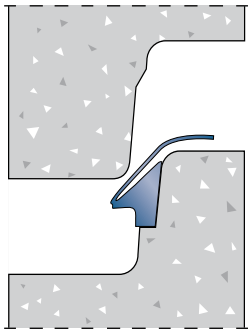
A, mm	B, mm	Joint gap
16	25,0	9,2±,12
18	25,0	10,4±1,4
20	26,5	11,5±1,5
22	30,0	12,7±1,7
24	32,0	13,5±2,0
26	35,0	15,0±2,0
28	38,0	16,0±2,5

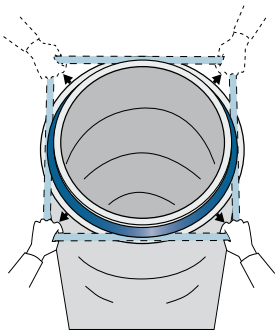
Please contact Trelleborg Pipe Seals for technical advice and joint design recommendations to meet your performance requirements.

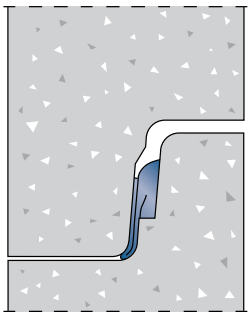
Manholes and pipes with F-114 shall always be laid in accordance with applicable standards and regulations.

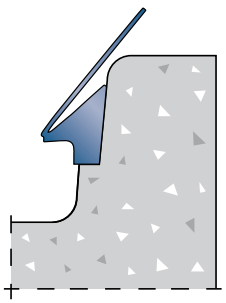
Assembly

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.) 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.
c.) The position of the seal in an assembled manhole is shown on picture 3.
d.) If re-joining is required ensure the sliding skin is drawn back to position as shown in picture 4.


Picture 1


Picture 2


Picture 3


Picture 4

FORSHEDA

Example of authorities Trelleborg Pipe Seals cooperates with:

TRELLEBORG

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