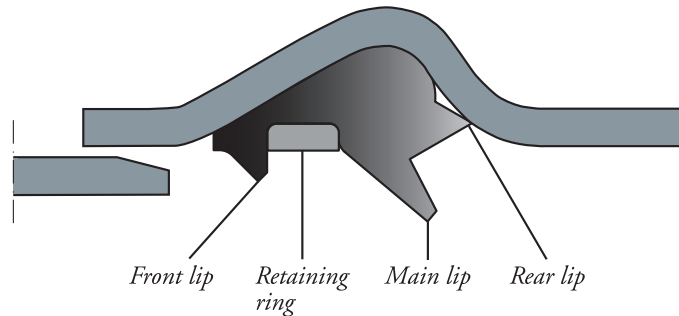


Forsheda 578

inch



General Application

Forsheda 578 is a rubber seal for plastic pressure pipes and waste water conduit in ground.

Seal Design and Function

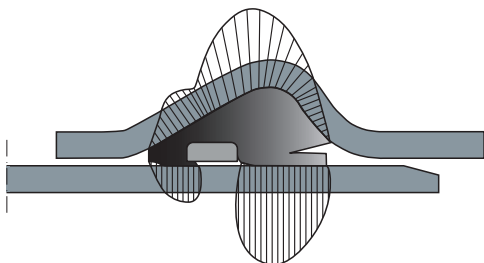
Forsheda 578 locked in seal is a combined lip and compression seal which is locked inside the pipe socket.

Making the seal an integral part of the pipe eliminates many of the disadvantages of separate sealing rings. It makes a perfect seal in high or low pressure pipes.

The seal is positioned in the socket by the pipe manufacturer. A "retaining ring" of polypropylene holds the sealing ring securely in position during transport and pipe assembly.

The "front lip" prevents dirt on the spigot from entering the joint. The "main lip" comprises a combined lip and compression section. The "rear lip" locates the seal in the socket groove and absorbs any permissible variations in the groove.

When the pipes are pushed together the rubber in



the F-578 seal is compressed. Compression gives rise to a sealing pressure which acts on the socket and spigot as shown by zones

When the pressure in a pipe varies widely, the seal will inevitably move slightly. Many seal profiles are then unable to prevent solid particles from finding their way into the joint. Owing to its exclusive lip design this problem does not arise with the F-578 seal.

Seal Performance

The F-578 seal meets the requirements of all relevant current European standards as well as the American Standard ASTM D 2241, for both pressure and vacuum, deflection and shear load.

Test reports are available from Trelleborg Pipe Seals Lelystad bv on request.

Material

- Synthetic rubber
- Hardness 50±5 IRHD or 60±5 shore A
- Approved in accordance with EN 681-1 and meets the requirement of ASTM F-477
- Ozone resistant
- Approved for contact with cold potable water
- Available in oil resistant material

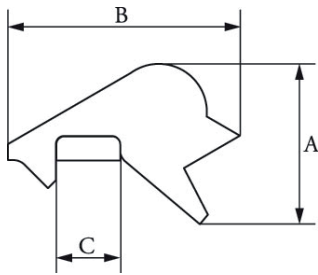
Detailed material specification is available from Trelleborg Pipe Seals Lelystad bv on request.

Quality Assurance

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

Seal Marking and Box Labels

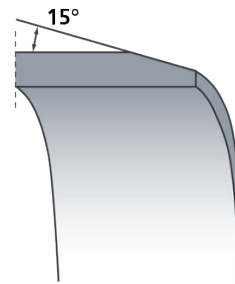
Each seal is marked with seal dimension and period of manufacture. The box is labelled with corresponding data.



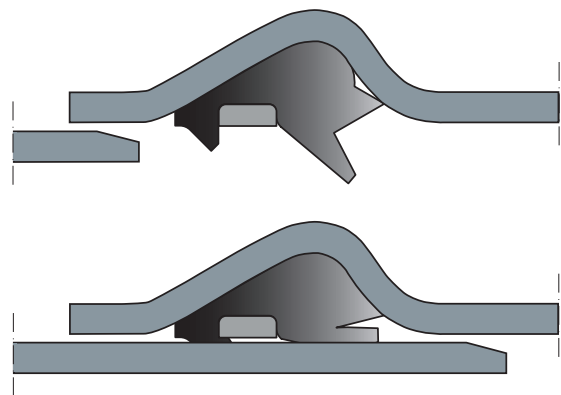
Example of Sizes

Dimensions, inch			
Pipe size	A	B	C
2	0,496	0,720	0,157
3	0,591	0,898	0,197
4	0,622	0,937	0,217
5	0,728	1,024	0,236
6	0,740	1,122	0,315
8	0,728	1,146	0,354
10	0,818	1,299	0,354
12	0,866	1,366	0,354
14	1,173	1,874	0,472
16	1,015	1,563	0,472
18	1,102	1,685	0,472
20	1,315	1,874	0,472
24	1,378	1,945	0,551

Pipe Assembly



1. Chamfer the spigot end 15°.
2. Clean the socket.
3. Apply lubricant on the spigot before assembly.
4. Slide the spigot into the socket, thus compressing the sealing lips.



Pipes with F-578 shall always be laid in accordance with applicable standards and regulations.

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

FORSHEDA

Example of authorities Trelleborg Pipe Seals cooperates with:



TRELLEBORG

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