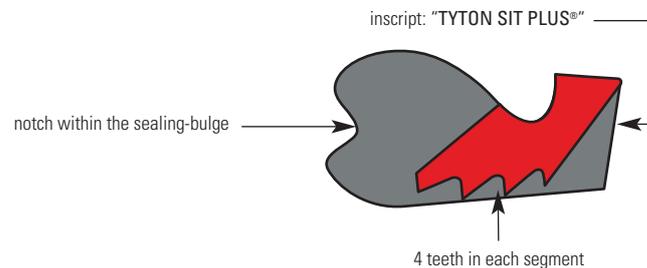


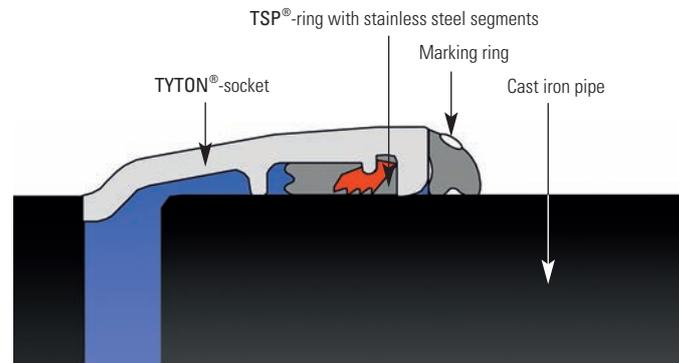
General instructions

For laying pressure pipes, fittings and valves with thrust-resisting joint TYTON SIT PLUS® (TSP®) "laying instructions for ductile cast iron pressure pipes and fittings with TYTON®-joint" as well as special installation instructions of the pressure pipe manufacturer should be observed. The TYTON SIT PLUS®-sealing and locking ring are available for dimensions DN 80 up to DN 600.

Three basic attributes of the TYTON SIT PLUS®-ring are:



Joint-construction



Laying instructions for ductile cast iron pressure pipes, fittings and valves, equipped with thrust-resisting joint TYTON SIT PLUS®

Application field:

DN 80 — 100	32 bar
DN 125 — 300	25 bar
DN 400 — 500	16 bar
DN 600	10 bar

This self-anchoring, thrust-resisting socket joint substitutes concrete anchoring blocks.

The suitable number of thrust-resisting connections has been laid down in DVGW standard GW 368 and has to be observed.

Before installation in lines for bridges, ducts or river-crossings, **please contact our service Team.**

Assembling steps

1. Cleaning inside the socket, particularly the TYTON®-groove.
2. TYTON SIT PLUS®-ring has to be cleaned, deformed acc. to the illustration and inserted into the socket. Ensure that the S-bend is located between two segments during deformation. The inner part of the inserted TYTON SIT PLUS®-ring should be slightly lubricated.
3. Push the marking ring, labeled with a white stripe, onto the cast iron pipe.
4. Cleaning of spigot-end, slightly lubricate and insert concentrically into the socket until it touches the TSP®-ring.
5. Laying tool V 300 D has to be mounted acc. to the illustration, so that both parts can be pushed together.

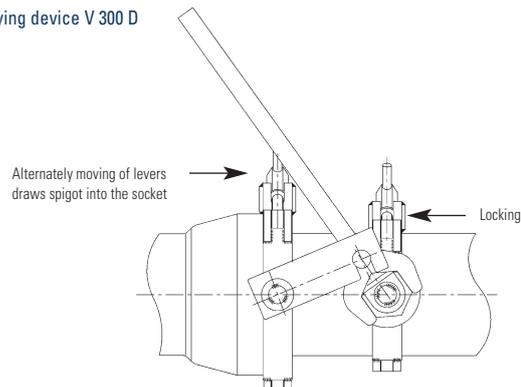


Deviation should be avoided !

Important:

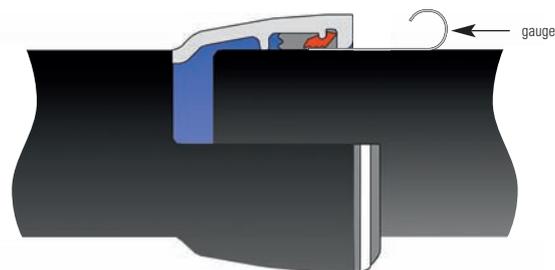
Changes of circumferential directions have to be arranged before connecting (f. e. installation of outlets, tees a. s. o.).

Laying device V 300 D



Attention:

After connecting both parts, the locking of the segments has to be accomplished by moving the levers in the opposite direction. The exact position of the TYTON SIT PLUS®-ring has to be checked with suitable gauge between segments on the whole circumference.



Note:

Deviation of the installed thrust-resisting joint is possible up to 3°.

A pipe with 6 m length and 1° deflection deviates approx. 10 cm off the neutral pipe axis.

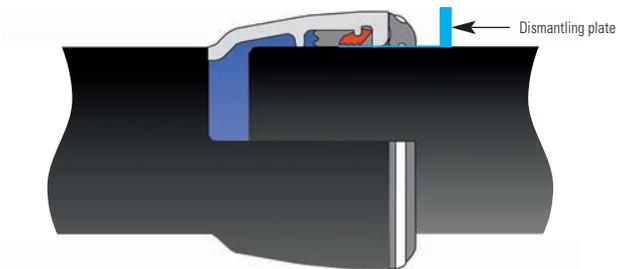
Laying instructions for ductile cast iron pressure pipes, fittings and valves, equipped with thrust-resisting joint TYTON SIT PLUS®

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Marking of the installed thrust-resisting joint

We supply profiled rubber-rings with white stripes. Fixing of this marking rings should be in accordance to the illustration.

Dismantling of thrust-resisting joints



Push the spigot completely into the socket.

Adjust dismantling blade to the outside diameter of the spigot, insert the blade into the hammering device, lubricate the blade slightly on both sides and drive the blades around the whole circumference into the socket. Use pipe laying tool or dismantling collar to remove the sections from each other.

In case the blades can not be inserted properly on whole circumference the line has to be cut.

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