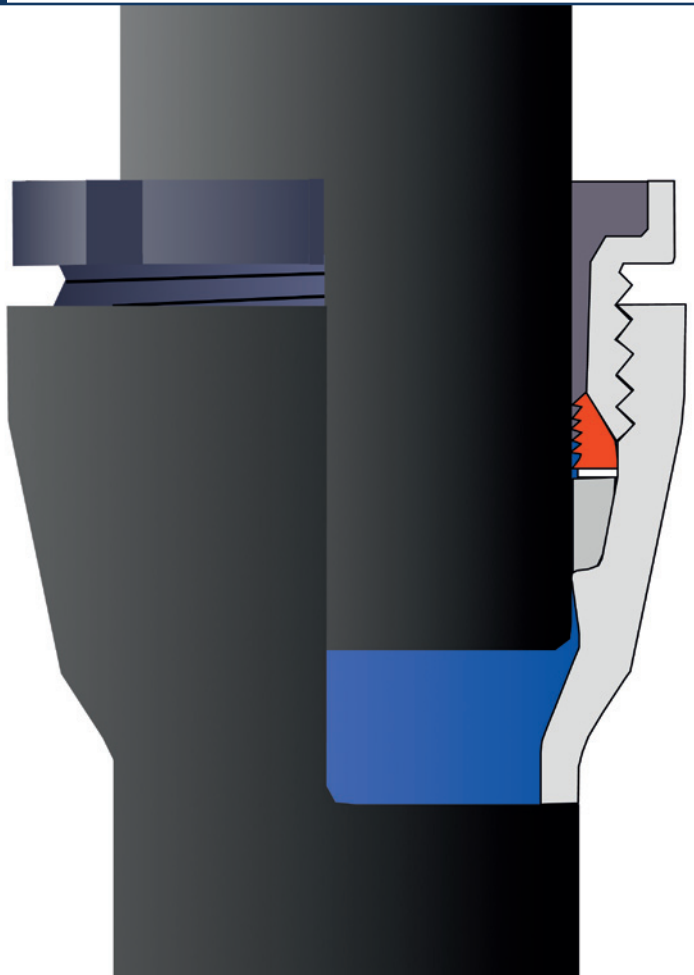
Laying instructions for ductile cast iron pressure pipes and fittings, equipped with thrust-resisting joint Düker SMU



General instructions:

For laying pressure pipes and fittings with thrust resisting joint Düker **SMU** "laying instructions for ductile cast iron pressure pipes and fittings with screw-gland joint" should be observed.

The screw-gland joint Düker **SMU** only works as thrust-resisting joint and gasket, if there is enough space between socket and spigot. The spigot should be inserted into the socket by tightening the screw-ring. Only by this way a secure pressing of the gasket is garanteed.

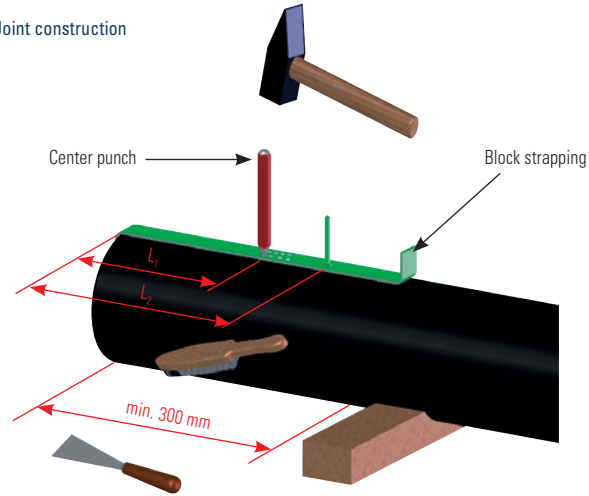
Application field:

The thrust-resisting joint Düker **SMU** is available for dimensions DN 40 up to DN 65 and for nominal pressures up to 16 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 have to be observed.

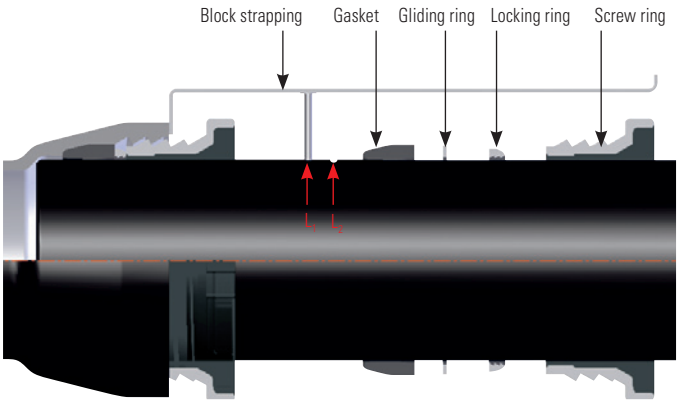
Before installation in lines for bridges, ducts or river-crossings, **please contact our service team.**

Joint construction



Cleaning inside the socket, particularly the **SMU**-groove for at least 300 mm length. Drive in the clearance markings L_1 and L_2 with the center punch.

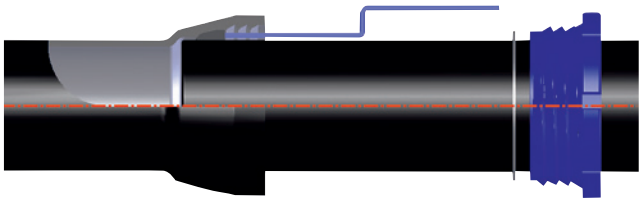
Dimensions L_1 and L_2 in mm						
DN	40		50		65	
	L_1	L_2	L_1	L_2	L_1	L_2
Standard socket	161	169	164	172	170	178
Long socket	200	208	203	211	209	217



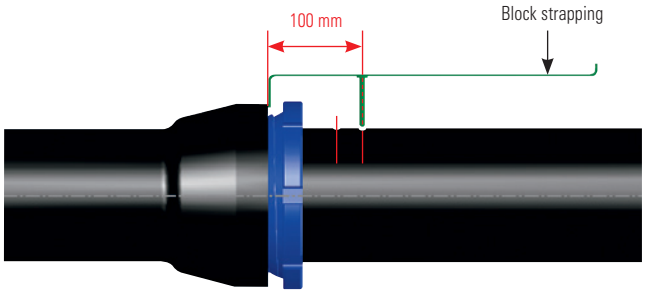
Insert Screw ring, locking ring, gliding ring and gasket in this sequence behind the centre punch marking L_2. Lubricate the pipe end, face of gasket, gliding ring and locking ring as well as the face and the screw thread of the screw ring with the lubricant supplied by the pipe manufacturer.

Insert pipe end into the socket, centre it and check the installation depth L_1.

Do not remove lifting gear yet.



Impress gasket with inserting device evenly into the socket (centering). Push gliding ring and locking ring until the gliding ring touches the gasket. Screw down screw ring with a hammer or ram as tighten as there is no turning of the screw ring possible anymore.



Check the correct installation depth:
Block strapping must be within $L_2 \pm 3$ mm.

After installation of the connection in centrical position, pipes can be deviated

DN 80 – 200 up to 3 ° and
DN 250 – 400 up to 2 °