

## Installation of Pipes with ZSM-Connection

The ZSM-connection is a solid easy to handle type of connection, still a few points should be taken into consideration to ensure a trouble free installation of the pipes. The pipes are generally delivered in air filled plastic foil. The wrapping material should only be removed prior to installation of pipes to ensure cleanness of pipes and especially of connections. Install lifting device on the first pipe. No O-ring is required in the lifting device. While hoisting the pipe the male end has to be lifted manually to avoid dragging and eventually becoming dirty and damaged. After running the pipe in the well tighten the clamps around the pipe and rest the pipe on the base. Note that the clamps must be centered horizontally using a water level. Install lifting device in following pipe and hoist pipe as described before to approx. 0.5m above installed pipe. Clean female of installed pipe and put only washing-up liquid on tenside basis on the sealing areas of the female as well as the rod groove. Please, do not use any greasy material as the ingredients might lead to softening of EPDM-material. Put O-ring on male groove and lubricate. Now run the upper pipe slowly in the female. The pipe must slide by its own weight into the female. This process can be supported by gentle moving of upper pipe if required. The upper pipe should always stay vertical to the lower pipe. At proper positioning, the groove of the male can be seen centered in front of the slot in the female. Lubricate rod and insert in groove. If necessary, move upper pipe in different directions. Lift pipe assembly and open clamps. Run pipe assembly in well, tighten clamps around pipes and rest assembly on base. Insert lifting device in next pipe and repeat procedure

