

## GENAP Installation instructions

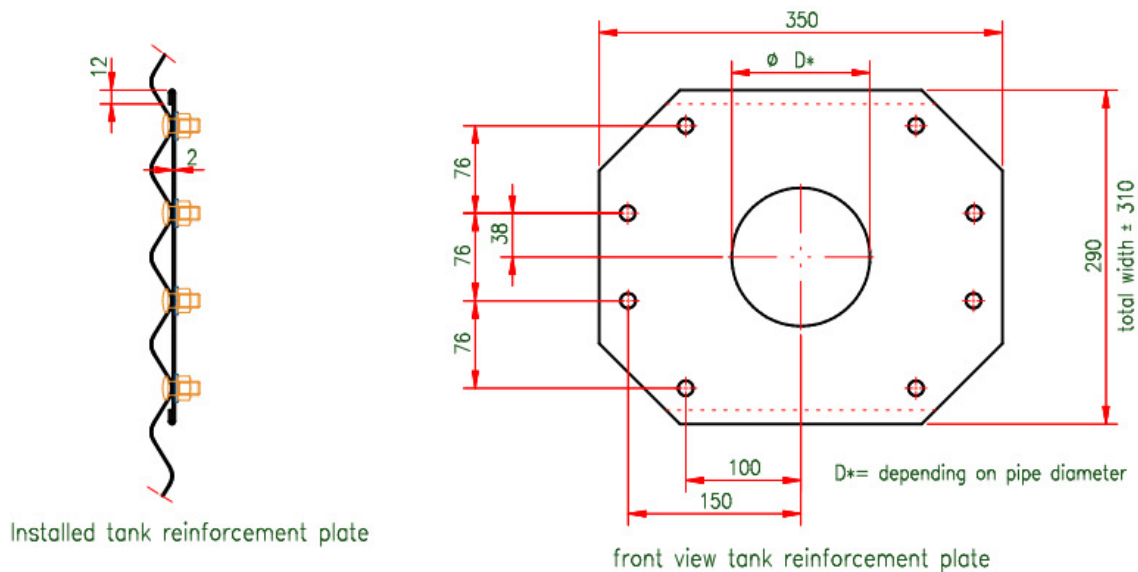
### Installation tank wall outlet reinforcement plate

hereby the installation instructions for installation of a tank wall outlet reinforcement plate; further mentioned: tank reinforcement plate. Goal of the tank reinforcement plate is to reinforce the tank at locations where a pipe is passed through the steelwall of the tank. Tank reinforcement plates have to be applied in general when pipes are passed through the tank wall with exception of pipes which are located in the upper region of the tank (up to 25 cm. under the tank edge). At any doubt, please contact us!

#### Delivery

- Tank reinforcement plate; has to be ordered separately from tank, please specify the applied pipe diameter

#### Drawing of the tank reinforcement plate: $75 \leq \text{Øpipe} < 200$



#### Installation of the tank reinforcement plate:

1. Determine first the location of the pass through of the pipe in the tank wall; this location has to be in line with the (ordered position) of the outlet in the tankliner; please check first!!
2. Use the tank reinforcement plate as a template in order to determine the hole locations in the tank wall.
3. The tank reinforcement plate is installed on the **outside** of the tank; the installation can also be done from the outside part of the tank when the hole in the tank is wide enough
4. The pipe hole is drilled in the tank wall by a saw; f.i. a power jig saw; the bolt holes are made by drill. **Attention:** the bolt holes have to be drilled from the outside of the tank to the inside, drilling should be done upon the **outer** part of the **corrugation**, please remove sharp edges (possible damage cause to liner)
5. Mount the tank reinforcement plate to the tank with the tank bolts; washers and nuts; use the pipe hole as entrance for installation of the plate from the outside of the tank

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when possible.

6. Installation of the pass through pipe in the tank wall.: **Attention:** it is advised not to connect the pipe or pipe support to the steel tank; this could introduce extra loads to the steel tank, for which it is not primarily designed.
7. Protection sheet, tank liner and conical outlet can now be installed.

### General:

- During installation of the tank reinforcement plate; wall protection sheet and tankliner are not installed yet or have to be uninstalled / removed partly. **Attention:** installation of the tank reinforcement plate with protection sheet and liner present at the installation location could lead to damage of these components.
- Bolts of the reinforcement plate have to be orientated -like the tankbolts- from the inside to the outside of the tank.

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