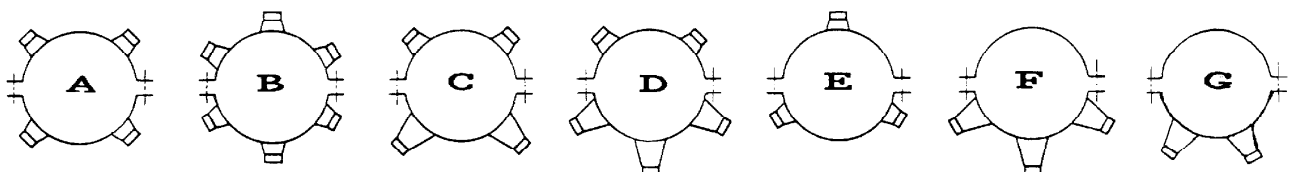
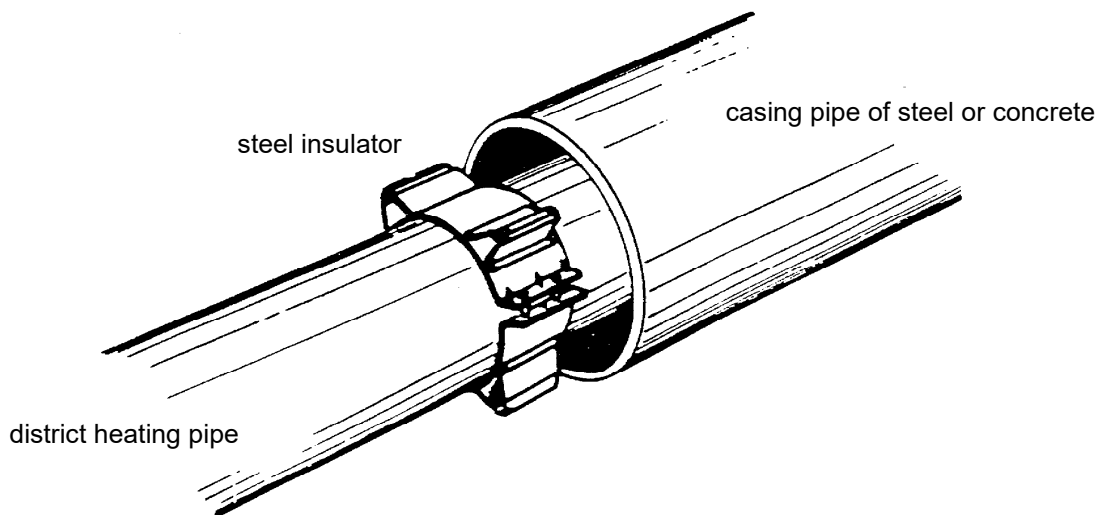
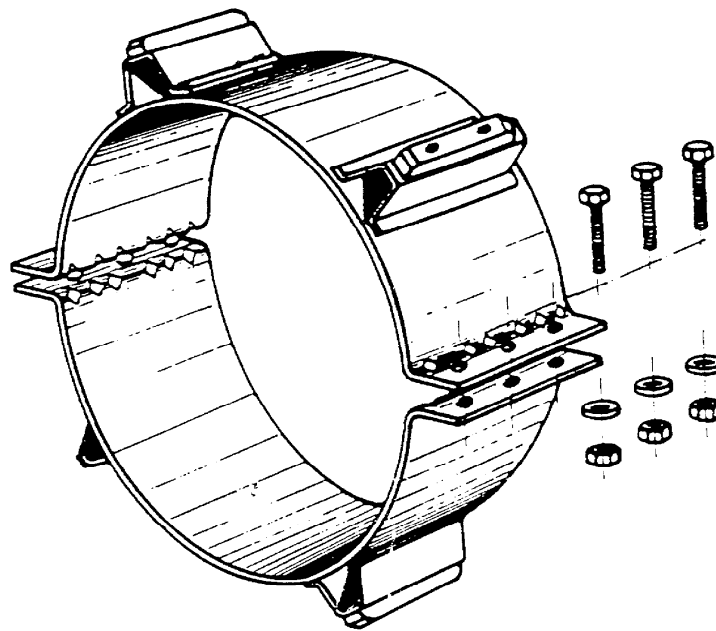
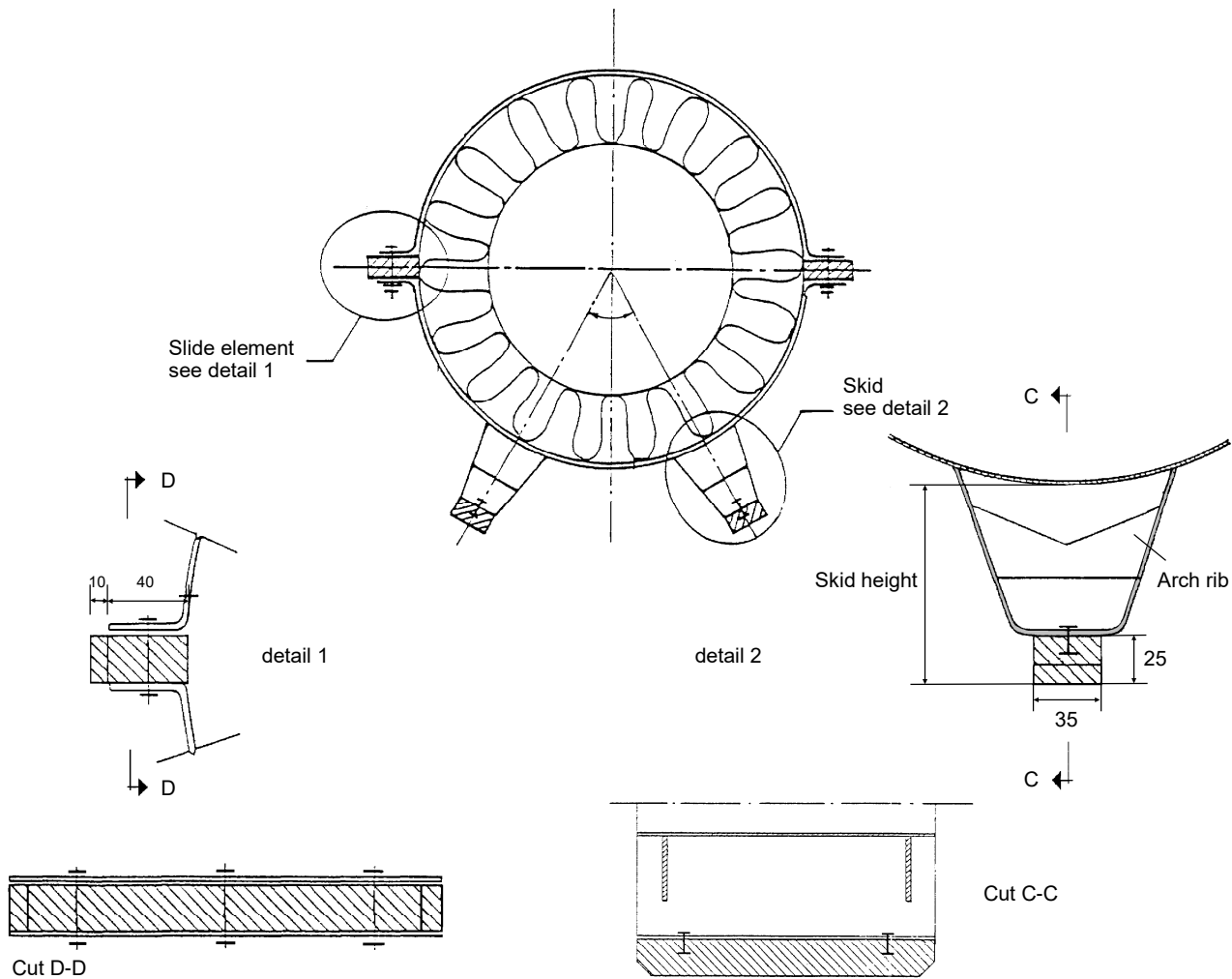


# STEEL INSULATORS for district heating pipe larger than 400 mm



examples on combinations of steel insulators

## Cut through district heating pipe line with steel insulators - example G

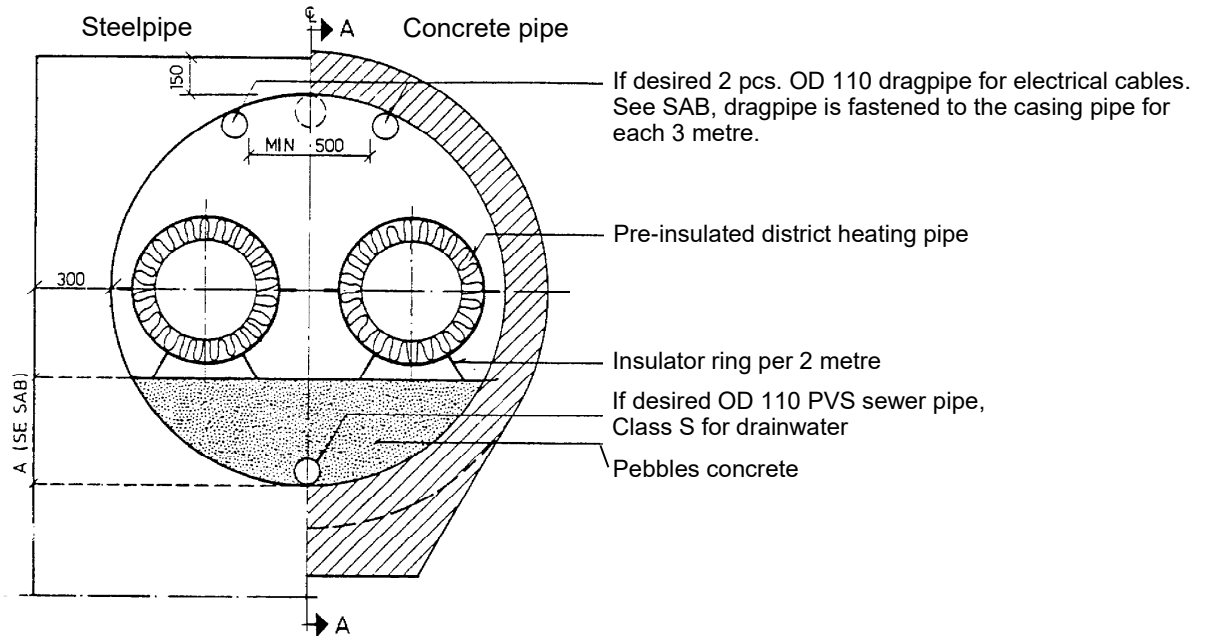


Specification of steel insulator for district heating pipes in casing pipes of steel or concrete:

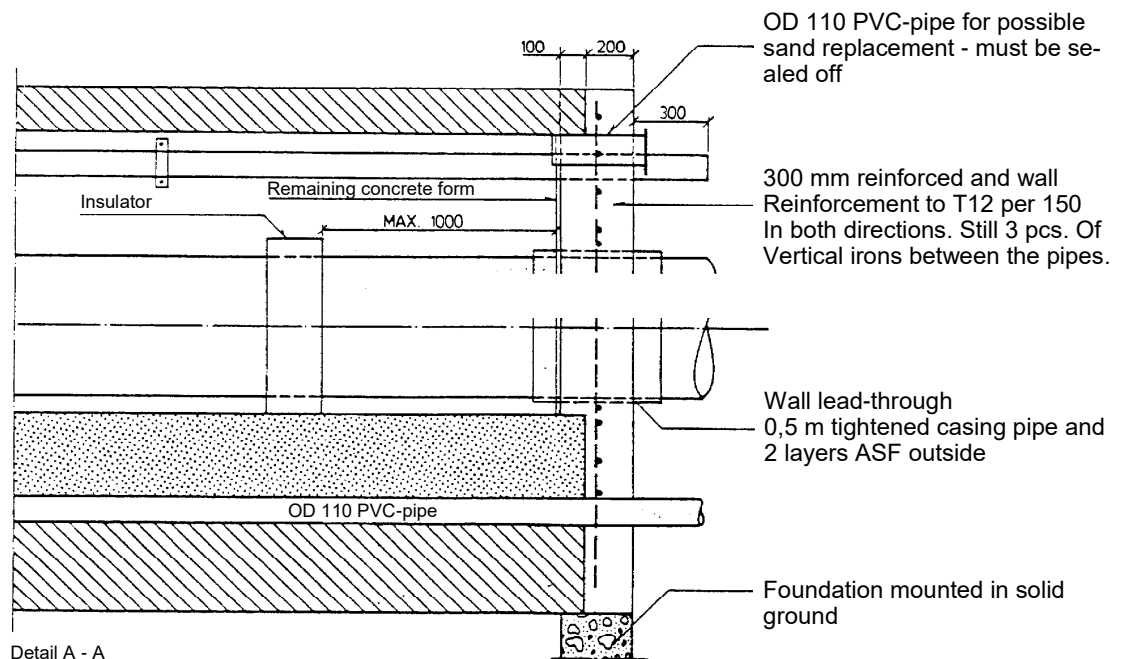
- |                             |  |
|-----------------------------|--|
| <b>1. Ring</b>              | Plate: Thickness 3 mm - width 225 mm   |
| <b>2. Skid</b>              | Plate: Thickness for skids 3 mm - skid height over 120 mm with reinforcement. Each skid has 2 arch ribs, which are welded to both pipe clamps and skids, shown on detail 2 |
| <b>3. Bolts</b>             | Each bolt connection have 3 pcs. M10 x 50 mm with each 2 washers and 2 nuts  |
| <b>4. Slides</b>            | Each skid have slides of polyethylene, shown in detail 1 and on slide element detail 2. To be ordered separately.  |
| <b>5. Surface</b>           | All steel parts are hot dip galvanized   |
| <b>6. Skid height</b>       | Is given separately in each order  |
| <b>7. Mounting distance</b> | DN 400-1000 = each 2 meter<br>DN 1000 and above = each 1,5 meter   |
| <b>8. Load</b>              | Skid height 50 mm = 1,9 ton<br>Skid height 150 mm = 2,3 ton  |

## District heating pipe in a casingpipe - type 1

**2 district heating pipes placed in a casing either steel or concrete.  
There are casted a plain and smooth bottom in the casing.**



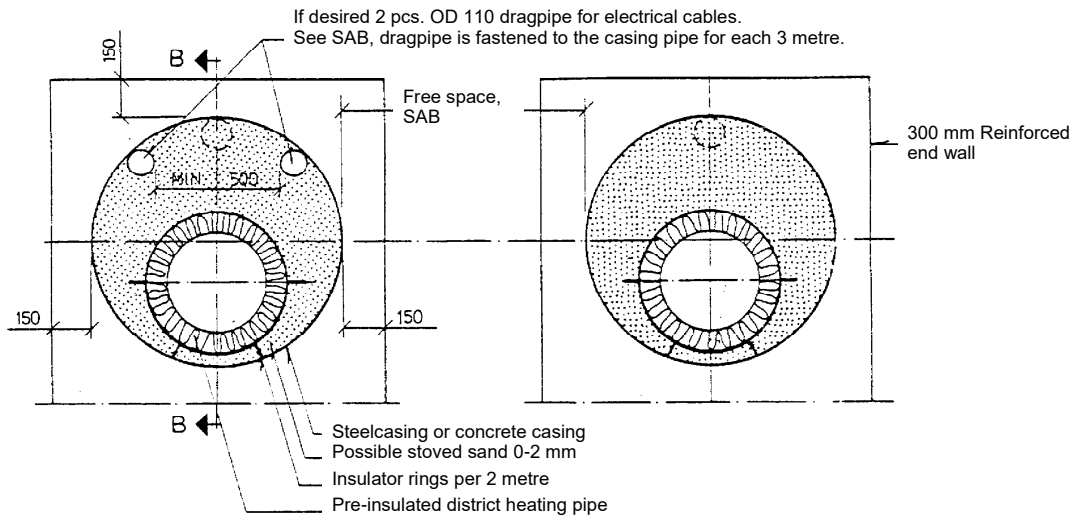
**Closing casing with concrete, casing end seal can also be used.**



Detail A - A

## Distrist heating pipe placed in sepatat casings - type 2

**1 district heating pipe placed in a casing either steel or concrete.  
Can if necessary be filled with stove sand.**



**Closing casing with concrete, casing end seal can also be used.**

