Precast concrete piles
Own production and flexible delivery

In 1965, Aarsleff established a partnership with Centrum Pæle A/S - which is today one of our subsidiaries - to boost the production method of precast concrete piles.

Before the partnership, almost all foundation piles were cast on site in the exact lengths and dimensions required for the particular project. Today, we precast reinforced concrete piles at Centrum Pæle A/S' factory in Denmark, UK, Poland, Germany and Sweden, and we maintain a large stock at all times. In this way, we are very flexible and able to deliver from day to day.

Back then, Aarsleff also invested in equipment solely developed for driving of piles. The rigs had fixed leaders of 25 metres and a ram weight of 3 to 5 tons. This state-of-the-art equipment made it possible to carry out driving with an inclination of 45°.

Today, our equipment still has a fixed leader, but now the length is up to 36 metres. Furthermore, continuous flight augers have been mounted to enable predrilling. The hammers are hydraulic with a continuous adjustment of the drop height and the blow frequency. Moreover, the equipment can be fit with noise reducing shroud. The hammers weigh between 4 and 9 tons. The rigs are equipped with an electronic driving log which documents the driving process.
Pile dimensions
The reinforced concrete piles are supplied from stock in the following dimensions:

- Denmark: 25 × 25, 30 × 30, 35 × 35, 40 × 40 and 45 × 45 cm
- Poland: 25 × 25, 30 × 30, 35 × 35 and 40 × 40 cm
- Germany: 30 × 30, 35 × 35 and 40 × 40 cm
- Sweden: 23.5 × 23.5, 27 × 27, 35 × 35 and 40 × 40 cm
- UK: 20 × 20, 25 × 25, 30 × 30, 35 × 35 and 40 × 40 cm.

All dimensions can be supplied in lengths from 6 metres, at intervals of 1 metre, and up to 15-18 metres as standard depending on transport possibilities. For longer piles, we joint our piles by means of special moment stiff pile joints, and in this way we are able to supply piles infinite in length.

Application
In the course of time, precast concrete piles have been used for all sorts of construction works, e.g. detached houses, multi-storey buildings, institutions, office buildings, sports centres, industrial buildings, masts, wind turbines, bridges, pile slabs, power plants, sewage plants, railway embankments, etc.

Files
We have files of our completed piling works as far back as 1968, and we will be happy to make them available to you.