

# FFC Assembling Data Sheet

## Supplementary Provisions

### Planning process

FFC assists the configuration of shoring units for building objects under construction (e.g. slabs of multi-storage buildings, ramps and bridge beams). The approach to the task is to pattern the plan of the object into segments of shoring units that comprises both a formwork build-up and a corresponding supporting structure as separate modules. But both has to be planned well-coordinated:

- Either starting with the formwork: One has to match with the bay lengths of the supporting structure
- Or starting with the supporting structure: One has to match with the primary beams of the formwork build up.

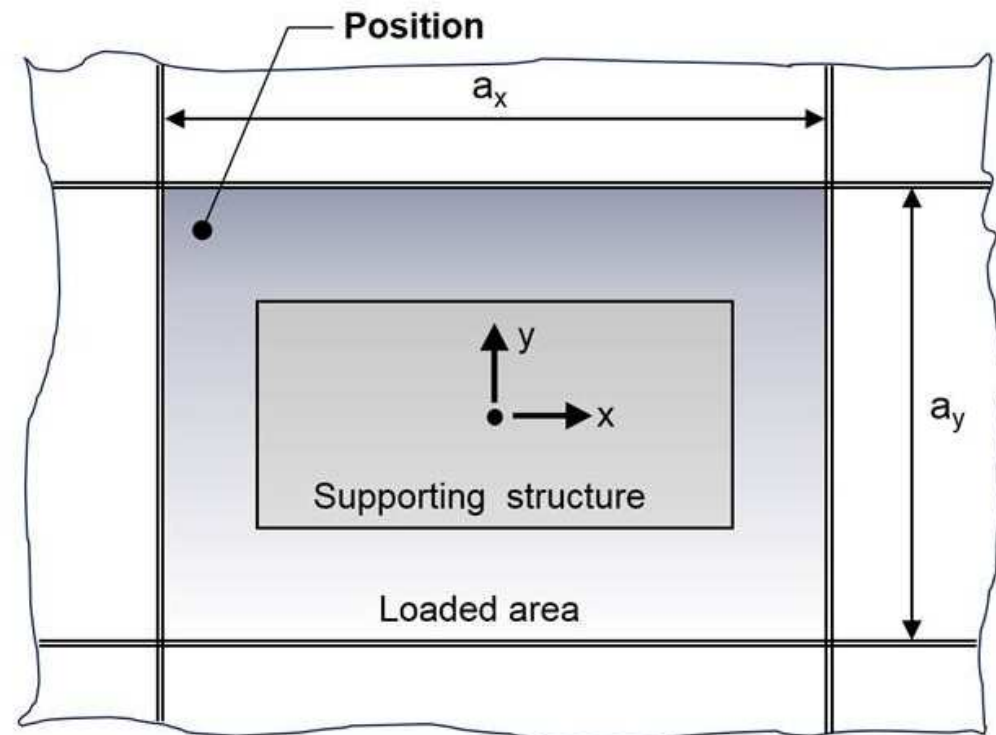


Fig. 1: Scheme layout of a shoring unit as segment of a formwork pattern e.g. for a slab under construction

- The area of the segment  $a_x \cdot a_y$  represents the loaded area
- The loads are transferred to the standards of the supporting unit via the formwork structure
- The formwork structure is related to the supporting structure via the primary beams.
- The related preassembling drawing of formwork build-up and the FFC datasheet: Assembling has to be brought together by an identifier of their position in the formwork pattern.

**A “FFC Assembling Data Sheet” contains all required information in order to assemble a supporting structure unit ready for use without any further drawings!**

It is to be backed up with related “FFC Proof Of Load Capacity” and “Proof Of Serviceability” data sheets.

The supporting unit is only valid with a corresponding formwork build-up. That result from a separate planning process, which ends in a preassembling drawing.

### Handling on site

#### Generally

This paper gives direction how to handle consequently FFC results for preassembling of shoring units!

#### Precautions

1. Please check the actual clearance from top of the head plate to the bottom of the base plate, which may differ because of changed dimensions of the formwork build-up and alterations of the supporting ground level.
2. Please check if the restraints as assumed for proof of load capacity match the site situation
  - on top:
    - stop ends of the formwork build up to walls and columns
  - at base:
    - full contact of base plates to the supporting ground
    - if necessary particular linings in order to establish the required friction between base plates and ground

#### Assembling process

1. Follow the sequence of standard components as given.
2. In any case do not exceed the extension lengths of
  - base jacks
  - head jacks

**Changes might reduce the load bearing capacity of the supporting units substantially!**

#### List of materials

The list of materials (components) represents the shoring structure for only one single shoring unit.

*Comment:*

*If the assortment of components as listed is not available, one may vary it deliberately in the range of the used scaffolding system.*

***In such a case, the proof of load capacity must be renewed!***

#### Health and safety

Follow the particular health and safety instructions on site as well as the general assembly instructions of the manufacturer of the applied scaffolding system!