



# FFS

Hydraulic foundation base formwork system  
usable with all MODUL formwork systems  
as well as existing column formwork



This formwork possesses very generous dimensions with regard to the great hydrostatic forces which occur during concreting and offers good safety margins for all foundation base sizes encountered. The technology meets with high TECHNOPLAN standards and has been perfected for mounting and stripping formwork rapidly and easily. As there are many different types of column shape construction methods, the FFS, foundation base formwork, is adapted to the system in question.

In order to establish an interlocking connection between the head walls, a robust swivelling anchor is set into the tensioning support, tightened with a tensioning bolt and locked. Tensioning the head walls with the rear wall takes place both via the undercarriage hydraulics and two swivelling tensioning anchors which are latched onto tensioning forks in the main longitudinal beam support and tensioned.



The mobile head formwork walls are equipped with flange roller running gear and anti-tilt safety device and travel along the undercarriage rail guide. The head formwork walls are connected to the column's formwork platform or sidewall formwork which can be moved hydraulically or electromechanically. The two head wall halves are made in a slightly conical way and can be separated from the base precast part without any problem.



The base formwork wall is a very tough welded steel structure connected to the hydraulic systems for movement and tensioning. It rests on undercarriage sliding bearings and, by pressing a button, can be moved hydraulically. The cylinders are employed in stripping the formwork (releasing the precast component), in adjusting various base sizes and tensioning the base formwork wall. Safeguards have been built into all cylinders against premature pressure loss.



This means of hydraulic movement permits – also by merely pressing a button - the base formwork wall to be opened and closed, the continuously variable adjustment of different base sizes and the formwork to be tensioned automatically. The variable opening (core cross section of the columns ) between the two head walls is closed up with shuttering panels at the construction site.



## Technoplan system technik GmbH

Schadewalde 11 \* D-06917 Jessen (Elster) \* [technoplan@gmx.de](mailto:technoplan@gmx.de)

Tel. +49 35387-71161 \* Fax +49 35387-71289 \* [www.technoplan-schalungen.de](http://www.technoplan-schalungen.de)