



MFS

Hydraulic MODUL - Beam Section - Formwork system Multi-functional column formwork system

A universal formwork system for manufacturing bar sections and columns of all types in a modular system. The transfer tables move hydraulically and are equipped with an assembly rail system in which mould supports or mould frames can be screwed in at any distances desired. Shuttering for the side formwork can either be set in place with 21 mm construction site shuttering boards or with prefabricated formwork sheeting. No expensive square-shaped timber or nailed substructure is needed if the support distance is 40 or 50 cm. The 21 mm shuttering boards can be screwed on directly.



The shuttering boards can be substituted by metal formwork sheets at any time. The latter are equipped with threaded steel bolts that fit precisely into the mould support anchor points. This means that a changeover can be made at any time from wooden to steel formwork and vice versa. A special feature worth mentioning about this system is the complete lack of a grid pattern. The continuously variable adjustment of the mould supports on the transfer tables includes their being relocated, removed or replaced. This ensures

that consoles can be encased in formwork in any position desired. The assembly rail system naturally permits the configuration of the most varied and individual mould elements in steel or timber.

For special concrete compaction specifications, we can supply mould supports with integrated vibrators. Side formwork travel movements are effected, as in all TECHNOPLAN formwork, via automatically locking hydraulic cylinders. High-class hydraulic cylinders are employed in opening and closing the formwork plant. Non-return valves with an automatic safety function prevent the formwork from being opened unintentionally under any circumstances in the unlikely case of a leak in the hydraulic system occurring. An integrated precision synchronous control unit ensures excellent synchronous and parallel performance for both formwork sides.



The hydraulic pipe installations are mounted separately from the formwork and thus safe from vibration.

- Free choice of formwork heights and opening widths and of overall and individual lengths
- Hydraulic drive unit
- Automatic hydraulic locking device
- Fully mounted vibrator with internal wiring
- Electronically regulated frequency converter
- Vibrator groups control unit built into frequency converter.
- All control functions are carried out via a radio communication installation with multi-channel hand-held transmitter.

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