

Title (en)

Shuttering for the series production of reinforced-concrete assembly units, in particular for prestressed sleepers of switches.

Title (de)

Schalung für Serienfertigteile aus Stahlbeton, vornehmlich für vorgespannte Weichenschwellen.

Title (fr)

Coffrage pour éléments de construction en béton armé fabriqués en série, et en particulier pour traverses d'aiguillages en béton précontraint.

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Application

EP 85113956 A 19851102

Priority

DE 3440247 A 19841103

Abstract (en)

1. Mould for generally straight reinforced or prestressed concrete finished elements mainly for prestressed turnout sleepers to be produced subsequently in a prestressing bed, the mould consists of two lateral parts with a base plate and dividing plates installed between them thus at least partially limiting the length of the individual finished parts, The base plate serves as a template for the installation of mounting parts in the mould and is equipped with recesses through which mounting bolts introduced into the mounting parts pass, the mould has the following features : the dividing plates (6) are placed between two subsequent finished parts (2n and 2/n+1), the dividing plates (6) consist of end plates (17) reversely placed at a distance, the bottom rims (18) of which rest on the base plates (5/n or 5/n+1) and constitute a buffer for the base plates by means of projections (31) and are spaced by means of similar buffers (22/23) at the bottom, while they are held down and at a distance at the top (19) by a clamping plate (21) located on brackets (20) of the end plates (17), the dividing plates (6) do not project above the top of the lateral elements (4) of the prestressing bed (1) with the top (19) of the end plates (17), the clamping plate (21), and the straining screw head (30), the end plates (17) can be positioned between the prestressing elements (3) for concrete work by lateral recesses (24) ; they are equipped with pivots (25) at the outer side of the mould located approximately in the center of gravity of the finished parts (2), after the concrete work and the cutting of the prestressing elements (3) the finished parts can be raised out of the prestressing bed (1) and can be pivoted, the clamping plate (21) is fixed to a hold-down device (26) which in turn connects the clamping plate (21) to a clamping device (27) by means of a straining screw (30), the clamping device can be moved longitudinally in the longitudinal tracks (16) in the mould substructure (3) by means of guides (28) and can be firmly strained in the longitudinal track (16) through a tensioning block (29).

Abstract (de)

Bei dieser Schalung für vorgespannte Weichenschwellen werden die Abstellelemente (6) zwischen zwei aufeinander folgenden Fertigteilen (2/n und 2/n + 1) aus im Abstand spiegelbildlich angeordneten Kopfplatten (17) gebildet. Die Kopfplatten werden im unteren Bereich durch sich entsprechende Anschläge (22/23) auf Abstand gehalten. Am oberen Rand (19) hält sie eine Spannplatte (21), die auf Konsolen (20) der Kopfplatten (17) aufliegt, nieder und auf Abstand. Eine Spannschraube (30) verbindet über einen Niederhalter (26) die Spannplatte (21) mit einer Klemmvorrichtung (27), die im Unterbau der Schalung (1) längsverschiebbar und verspannbar ist. Die Kopfplatten (17) sind mit Hilfe von seitlichen Ausnehmungen (24) für die Spannglieder (3) in ihre Betonierposition einschwenkbar und weisen Zapfen (25) auf, an denen die Fertigteile nach dem Betonieren und dem Durchtrennen der Spannglieder (3) aus dem Spannbett (1) aushebbar und drehbar sind.

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IPC 8 full level

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