

Title (en)
Prefabricated concrete element

Title (de)
Vorgefertigtes Betonelement

Title (fr)
Élément préfabriqué en béton

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Abstract (en)

The present invention relates to a prefabricated concrete floor element (1) comprising a first (2) and a second (3) upright longitudinal side, a first (4) and a second (5) upright transversal side, at least a first (6) lower reinforcing wire which extends in longitudinal direction of the and is provided in a lower part of the prefabricated floor element, and a lifting tool (9) to permit lifting the prefabricated floor element, the lifting tool (9) being at least partly embedded in the concrete and being accessible from outside to permit cooperation with a lifting device, the lifting tool comprising an upright section (10) which extends in height and longitudinal direction of the prefabricated floor element, wherein the upright section of the lifting tool comprises at least one application point (11) for cooperation with the lifting device, characterized in that the upright section (10) of the lifting tool comprises first receiving means (12) comprising a lower space (13) for receiving the first lower reinforcing wire (6), in that the lower space (13) is delimited by at least an upper (14) and a lower (15) member and a first upright member (16) which first upright member is provided to limit movement of the lifting tool (9) in a first transverse direction of the prefabricated floor element, and in that the lifting tool further comprises a cross member (17) which is connected to the upright section (10) and which comprises a second upright member which is provided to limit movement of the lifting tool in a second transverse direction of the prefabricated floor element opposite to the first transverse direction. The present invention further relates to a lifting tool (9) for lifting a prefabricated floor element (1), comprising an upright section (10) extending in height and longitudinal direction of the prefabricated floor element, the upright section comprising at least one application point (11) for cooperation with a lifting device, characterized in that the upright section further comprises first receiving means (12), in that the first receiving means comprise a lower space (13) for receiving a first lower reinforcing wire (6) of the prefabricated floor element, in that the lower space is delimited by at least an upper (14), lower (15) and first upright member (16), the first upright member limiting movement of the lifting tool (9) in a first transverse direction of the prefabricated floor element, and in that the lifting tool further comprises a cross member (17) which extends in transverse direction of the prefabricated floor element and is connected to the upright section, the cross member comprising a second upright member (19), the second upright member limiting movement of the lifting tool in a second transverse direction of the prefabricated floor element opposite to the first transverse direction.

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• EP 1555100 A1 20050720 - SOPREL [FR]
• FR 2897627 A1 20070824 - GAUVRIT JACQUES [FR]

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