

Title (en)

Joining and stress-spreading element for concrete building parts.

Title (de)

Verbindungs- und Druckverteilungselement für Betonbauteile.

Title (fr)

Élément de liaison et de répartition des contraintes pour éléments de construction en béton.

Publication

EP 0193494 A1 19860903 (DE)

Application

EP 86810091 A 19860220

Priority

CH 89685 A 19850227

Abstract (en)

1. Connection and pressure-distribution element for two structural members (2, 3) to be concreted in succession in the same plane on a horizontal support (1) and to be separated from one another by means of an expansion joint (4), having a socket (5) and a mandrel (6) slidably insertable in the socket (5), in each case at least two closed loops (7) made from reinforcing rods, respectively joined fast to the socket (5) and to the mandrel (6), being disposed both about the socket and about the mandrel and spaced from the same, which socket (5) is intended for fastening to a frontal shuttering (8) and for embedding with the loops (7) in the structural member (2) to be concreted first, and the mandrel (6) for inserting into the socket (5) anchored in the first set structural member (2) and for embedding with the loops (7) in the structural member (3) to be concreted later, characterized in that the socket (5) comprises a pipe (9) having at least three webs (10) of equal height disposed symmetrically about the pipe (9) and parallel to its longitudinal axis (x), over which webs at least two steel rings (11) having loops (7) welded-on from outside are pressed on, which pipe (9) bears at one of its ends (9a) a flange (12) running perpendicular to the longitudinal axis (x) of the pipe (9) and at its other end (9b) a vertically adjustable support bar (13) having a lock nut (14), and that a mounting shoe (16) attachable to the frontal shuttering (8) is provided for, which shoe, in the position attached to the frontal shuttering, is intended for receiving the flange (12) of the pipe (9).

Abstract (de)

Das Element besteht aus einer Hülse (5), einem Montageschuh (16) und einem in die Öffnung der Hülse (5) einsteckbaren Dorn. Die Hülse (5) umfasst ein Rohr (9) mit mindestens drei Stegen (10) gleicher Höhe. Über die Stege (10) sind mindestens zwei Stahlringe (11) aufgespresst, auf welchen Bügel (7) aufgeschweisst sind. Auf einem Ende des Rohres (9) ist ein Flansch (12) und am anderen eine Abstützstange (13) vorgesehen. Der an die Stirnschalung zu befestigende Montageschuh (16) ist mit einer Einschubausnehmung (22) zur Aufnahme des Flansches (12) des Rohres (9) versehen. Bei diesem Verbindungs- und Druckverteilungselement für Betonbauteile können verschiedene Dorndurchmesser verwendet werden, ohne dass mit den Hülsen entsprechenden Durchmessers auch die Hülsenbügel ausgetauscht werden müssten.

IPC 1-7

E01C 11/14; E04B 1/48

IPC 8 full level

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CPC (source: EP)

E01C 11/14 (2013.01); **E04B 1/483** (2013.01)

Citation (search report)

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- [A] EP 0032105 B1 19870520
- [A] US 2196727 A 19400409 - OSCAR FREMONT WYNNE
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DOCDB simple family (application)

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