

Title (en)
PREFABRICATED BRIDGE GIRDER

Title (de)
VORGEFERTIGTER BRÜCKENTRÄGER

Title (fr)
POUTRE DE PONT PRÉFABRIQUÉE

Publication
EP 3327200 B1 20190515 (EN)

Application
EP 16460090 A 20161129

Priority
EP 16460090 A 20161129

Abstract (en)
[origin: EP3327200A1] A prefabricated bridge girder comprises a span zone (100) separated by transition zones (101) from support zones (102). The span zone (100) comprises a horizontal support section in the form of a steel T-bar (1) whose web (2) with a horizontal upper edge is directed upwards. To the upper edge of the web (2) of the steel T-bar (1) a longitudinal reinforced concrete upper flange (3) is fixed. In the transition zone (101), the web (2) of the steel T-bar (1) is gradually shorter forming a diagonal upper edge (9) and at the end of the transition zone (101) the web (2) is by 50% shorter than the web (2) of the steel T-bar (1) in the span zone (100), and comprises the horizontal upper edge. In the transition zone (101), the reinforced concrete upper flange (3) takes the form of a reinforced concrete T-bar whose web (7) directed downwards comprises a diagonal bottom edge (8), parallel to the diagonal upper edge (9) of the web (2) of the steel T-bar (1). The reinforced concrete flange (3) in the span zone (100) and the reinforced concrete T-bar (6) in the transition zone (101) comprise members connecting it with connecting members at the upper edges of the web (2) of the steel T-bar (1). At the end of the transition zone (101), from the side of the support zone (102), the web (2) of the steel T-bar (1) is constant in height, shorter by 50% than the web (2) in the span zone (100). The end of the transition zone (101) comprises at least one horizontal reinforcing bar (16) on each side of the web (2) which passes through the closed vertical stirrup (13).

IPC 8 full level
E01D 2/02 (2006.01); **E04C 3/293** (2006.01); **E04C 3/294** (2006.01)

CPC (source: EP)
E01D 2/02 (2013.01); **E04C 3/293** (2013.01); **E04C 3/294** (2013.01); **E04C 5/02** (2013.01); **E04C 5/06** (2013.01)

Cited by
CN112267383A; CN108755391A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3327200 A1 20180530; **EP 3327200 B1 20190515**; PL 3327200 T3 20191129

DOCDB simple family (application)
EP 16460090 A 20161129; PL 16460090 T 20161129