

Abstract

Connection beam for a thermally insulating sealed tank for storing liquefied gas

The invention relates to a connection beam for a tank, wherein the connection beam (13) comprises a first section (14) and a second section (15), wherein each section comprises a hollow central core (17) which comprises a first wall (20) and a second wall (21) which define at the connection between the two sections (14, 15) a first assembly window and a second assembly window,

wherein the connection beam (13) comprises a connection assembly (38) which has a shape which complements the assembly windows and which is fixed in the region of the assembly windows to the first section (14) and to the second section (15), the connection assembly (38) comprising a first wing (39) and a second wing (40),

and wherein the second wing (40) is lap-welded to the second wall (21) of the first section (14) and the second section (15), and the first wing (39) comprises a main plate, a first portion which is lap-welded to the first wall (20) of the first section (14) and a second portion which is lap-welded to the first wall (20) of the second section (15), the first portion being spaced apart in the first direction of the second portion by an opening, the first portion and the second portion of the first wing (39) being welded to the first section (14) and the second section (15), respectively, using a main bead which extends in the first direction.

Figure for the abstract: Fig. 2