

LIFTING APPLIANCE AND LIFTING METHOD FOR THREE-DIMENSIONAL PREFABRICATED MEMBER

5 ABSTRACT

Disclosed is a three-dimensional prefabricated member lifting appliance and a lifting method. The lifting appliance comprises a hanger. An upper part of the hanger is provided with at least three upper hanging eyes, which are connected to a lifting point of a lifting apparatus arranged thereabove via first hanging ropes to keep a center of gravity of the hanger to be vertically aligned with the lifting point. A lower part of the hanger is provided with a plurality of lower hanging eyes, which is vertically connected to suspension points of the three-dimensional prefabricated member to be lifted via second hanging ropes. Positions of the lower hanging eyes connected to the second hanging ropes are variable, so that through variation of the positions of the lower hanging eyes connected to the suspension points of different three-dimensional prefabricated members to be lifted, centers of gravity of the three-dimensional prefabricated members to be lifted are located directly below the center of gravity of the hanger and the lifting point of the lifting apparatus along a vertical direction. The above lifting appliance and its lifting method can be used to satisfy lifting requirements of complex three-dimensional prefabricated members, and to render the lifting smooth and safe.

(Fig. 1)