

ABSTRACT

Provided is a pile rapid load test device that safely and quickly lifts up a weight to its initial height. The pile rapid load test device includes a frame body (1) installed upright in a vicinity of a pile head (A), a weight lifting jack (5) that is installed above the frame body (1) and lifts up a weight (3) having fallen onto the pile head (A) to the initial height through intermediation of a weight lifting rod (4), and a weight holding chuck (7) that allows the weight (3) to be hung at a lower end portion of the weight lifting rod (4) so that the weight (3) is separable therefrom. The weight lifting jack (5) includes a jack main body (8) that lifts up the weight (3), and an upper chuck (9) and a lower chuck (10) that are provided above and below the jack main body (8), respectively, and each hold and release the weight lifting rod (4). When the weight lifting jack (5) lifts up the weight (3), the upper chuck (9) holds the weight lifting rod (4) and the lower chuck (10) releases the weight lifting rod (4). When the upper chuck (9) releases the weight lifting rod (4) and is moved downward along with retraction of the weight lifting jack (5), the lower chuck (10) holds the weight lifting rod (4).

Fig. 1