

【title】 Improved positioning joint structure of reinforcing steel bar (cage)
having infinitely extending connection

【ABSTRACT】

An improved positioning joint structure of reinforcing steel bars (cages) having infinitely extending connection comprises a plurality of joint pieces and pivot devices, wherein the joint pieces are fastened and connected to each other through the pivot devices. The pivot device has the inner thread corresponding to the joint piece. The aforementioned joint piece has a single-start thread or a multi-start thread, and has a guide tooth structure installed at one end of the joint piece where the joint piece is in contact with the pivot device. The aforementioned guide tooth structure comprises a guide thread portion located at the front end of the joint piece, wherein the thread diameter of the guide thread portion is smaller than the thread diameter of the joint piece; the guide tooth structure also comprises an inner guide thread portion, installed inside one end of the pivot device that is in contact with the front end of the joint piece, wherein the diameter of the inner guide thread portion is larger than the diameter of the inner thread of the pivot device. Through the design of the thread, the improved positioning joint structure can increase the fastening speed; meanwhile, through the means of the guide thread portion or the inner guide thread portion, it is easier for the user to securely fasten the joint piece and the pivot device, so that the efficiency of the fastening process is improved.

【REPRESENTING DRAWING】 Fig. 2

【COMPONENT SYMBOL of REPRESENTING DRAWINGS】

- 3 improved positioning joint structure of reinforcing steel bars (cages)
having infinitely extending connection
- 3 1 joint piece
- 3 2 pivot device
- 3 2 1 inner thread
- 3 3 guide tooth structure
- 4 reinforcing steel bar