CLAIMS

1. A strut connector which is connectable to an end of a strut and a wale coupled to an earth retaining wall for supporting the wale, the strut connector comprising:

a connector base comprising a base body; a support band having a support band arc portion corresponding to the outer circumferential surface of the strut so as to support an end periphery of the strut, and provided at an edge of the base body so as to protrude from one surface of the base body; a base reinforcement boss provided on a central portion of the base body so as to protrude from the one surface of the base body to a smaller height than the support band; a base connection boss protruding from the other surface of the base body in the opposite direction of the protruding direction of the support band; a base through-hole formed through the base body, the base reinforcement boss and the base connection boss; and a base screw portion formed on the inside of the base through-hole;

a cover band comprising a cover band body having a cover band arc portion corresponding to the outer circumferential surface of the strut, and separably coupled to the connector base such that the cover band body covers the outer circumferential surface of the strut placed on

the support band;

a cover band fixer configured to fix the cover band to the connector base; and

a connection jack comprising: a connection jack body having a connection jack bracket couplable to the wale and a connection jack boss protruding from one surface of the connection jack bracket; a connection jack body coupling hole formed in the connection jack boss; a connection jack body screw portion formed on the inside of the connection jack body coupling hole; a connection jack screw screwed to the base screw portion and the connection jack body screw portion and configured to connect the connector base and the connection jack body such that the distance therebetween is adjustable, and a connection jack lever provided on one side of the connection jack screw so as to protrude to the outside,

wherein the connection jack screw is able to enter the strut placed on the support band through the base through-hole.

2. The strut connector according to claim 1, wherein the connector base comprises a plurality of base inner reinforcement ribs protruding from the one surface of the base body and radially arranged on the circumference of the base reinforcement boss.

3. The strut connector according to claim 2, wherein the plurality of base inner reinforcement ribs has a length which is set to such an extent that an end of each base inner reinforcement rib is abuttable on the inner circumferential surface of the strut placed on the support band.

4. The strut connector according to claim 3, wherein the base inner reinforcement rib comprises an inclined portion which is provided at the end periphery thereof and formed in such a shape that the protruding height thereof from the one surface of the base body decreases in a direction away from the base reinforcement boss.

5. The strut connector according to claim 2, wherein the plurality of base inner reinforcement ribs are arranged at regular angle intervals along the circumference of the base reinforcement boss.

6. The strut connector according to claim 1, wherein the connection jack bracket comprises a plurality of connection jack body through-holes into which a plurality of fixing members fixable to the wale are inserted, and has a length corresponding to the top-to-

bottom length of a wale assembly so as to be fixable to the wale assembly in which two wales are connectable in parallel to each other in a top-to-bottom direction by the plurality of fixing members while abutting on each other.

7. The strut connector according to claim 1, wherein the support band comprises a plurality of support band through-holes corresponding to a plurality of strut coupling holes which are arranged on the outer circumferential surface of the strut so as to be spaced apart from each other in a radial direction of the strut, and

the cover band body comprises a plurality of cover band through-holes corresponding to the plurality of strut coupling holes,

wherein the strut connector further comprises a plurality of fastening members each insertable into the corresponding strut coupling hole, the corresponding support band through-hole and the corresponding cover band through-hole so as to fasten the strut to the connector base and the cover band.

8. The strut connector according to claim 7, wherein the cover band through-holes are formed in a long groove shape extended in one direction, and at least one of

the cover band through-holes is extended in a direction crossing the direction in which another of the cover band through-holes is extended,

wherein the support band through-holes are formed in a long groove shape extended in one direction so as to correspond to the respective cover band through-holes, and at least one of the support band through-holes is extended in a direction crossing the direction in which another of the support band through-holes is extended.

9. The strut connector according to claim 1, wherein the cover band comprises a plurality of cover band reinforcement ribs and one cover band center reinforcement rib, which protrude from the outer surface of the cover band body,

wherein the plurality of cover band reinforcement ribs and the cover band center reinforcement rib are arranged along the outer circumferential surface of the cover band body so as to spaced apart from each other, the cover band center reinforcement rib is located in the center of the cover band body, and the plurality of cover band reinforcement ribs are symmetrically arranged with respect to the cover band center reinforcement rib.