

Abstract

INSERTION TOOL FOR TANGLESS SPIRAL COIL INSERT

To provide an insertion tool for a tangless spiral coil insert that is simple in structure and is also easy to manufacture and assemble, as compared with a conventional tool, accordingly that allows reduction in manufacturing cost, and besides that is excellent in operability.

An insertion tool 1 for a tangless spiral coil insert includes, for inserting a tangless spiral coil insert 100 into a work, a mandrel 43 at least a leading end section of which is a screw shaft 45, and a pivotal claw 80 provided with a claw section 81 which engages with a notch 101 of an end coil section of the tangless spiral coil insert 100 screwed with the screw shaft 45. The pivotal claw 80 has an elastic connection member 83 one end of which is fixed to a pivotal-claw attachment groove 71, and the other end of which is attached to the claw section 81, and the elastic connection member 83 biases the claw section 81 outside in a radial direction of the screw shaft 45, so that a hook section 90 formed in the claw section 81 elastically engages with the notch 101 of the tangless spiral coil insert 100.

FIG. 1