

Abstract

JOINT STRUCTURE FOR STEEL PIPE PILE

This joint structure for a steel pipe pile is a joint structure for a steel pipe pile that coaxially couples a first steel pipe pile and a second steel pipe pile. An outer fitting valley section is formed so that the plate thickness thereof increases the closer an outer fitting stepped section is to the first steel pipe pile. An inner fitting valley section is formed so that the plate thickness thereof increases the closer an inner fitting stepped section is to the second steel pipe pile. In a state where an inner fitting end section is inserted into an outer fitting end section, rotated relative to the outer fitting end section, and fitted thereto, an inner fitting tip surface and a surface that faces the inner fitting tip surface are separated from each other by a predetermined separation distance D , and the total area of tension-side abutting surfaces that are made to bear tensile forces is equal to or smaller than the summed area of the area of an outer fitting tip surface that bears compressive forces and the total area of compression-side abutting surfaces that bear compressive forces.

FIG. 1