

ABSTRACT

To provide a resistance function against a tensile force to an anchoring device that: is installed while straddling between a major structure and an additional structure, which can behave independently from each other when a horizontal force acts; and transmits a shearing force between the major structure and the additional structure in the direction perpendicular to the direction in which both the structures face each other, so as to allow application to a general joint that transmits a shearing force and a tensile force while transmitting a bending moment.

An anchoring device 1 includes: a main anchoring member 2 anchored in the position at a distance from the boundary surface with an additional structure 8 in a major structure 7; a shear resistant material 3 arranged while straddling between the major structure 7 and the additional structure 8 at the boundary between the major structure 7 and the additional structure 8; an additional anchoring member 4 anchored on the line passing through the main anchoring member 2 and the shear resistant material 3 in the position at a distance from the boundary surface with the major structure 7 in the additional structure 8; and a tension member 5 that is bridged between the main anchoring member 2 and the additional anchoring member 4 while passing through the shear resistant material 3 and that is coupled to the main anchoring member 2 and the additional anchoring member 4.