

ABSTRACT

BRACE MEMBER AND METHOD OF ASSEMBLING THE SAME

A task is to provide a brace member exhibiting high strain performance and a method of assembling the brace member.

A brace member 100 includes an axial force member 10, a stiffening tube 20, a securing-side cap 30, a sliding-side cap 60, and a socket tube 50. The axial force member 10 has a bar shape. The axial force member is inserted through the stiffening tube 20. The securing-side cap 30 is coupled to a securing-side end portion of the stiffening tube 20 which is an end portion on one side in a longitudinal direction and coupled to an end portion of the axial force member 10. This end portion of the axial force member 10 is located on the one side in the longitudinal direction. The sliding-side cap 60 is coupled to an end portion of the axial force member 10. This end portion of the axial force member 10 is located on another side in the longitudinal direction. The socket tube 50 is removably coupled to a sliding-side end portion of the stiffening tube 20 which is an end portion on the other side in the longitudinal direction or removably coupled to the sliding-side cap 60. The securing-side cap 30 and the sliding-side cap 60 include respective coupling elements 40 to be used as joints for installation in a

building construction. The socket tube 50 surrounds an outer circumferential portion of the sliding-side end portion and an outer circumferential portion of the sliding-side cap 60.

(FIG. 4)