

PIPE JOINT

ABSTRACT

A pipe joint, in which high sealability is obtained and sufficient durability is structurally obtained even under a temperature cycle environment, is provided. A pipe joint includes a joint main body, a cap nut, and a sleeve having substantially a cylindrical shape which comes into contact with the inside of the cap nut, and further includes an insertion groove between a pipe body mounting section and an external thread section of the joint main body, in which a distal end of the pipe body is inserted. In the insertion groove, an elastic member formed to have substantially a ring shape and facing to an end face of a distal end side of the sleeve is disposed. When the external thread section of the joint main body and an internal thread section of the cap nut are screwed, the end face of the distal end side of the sleeve comes into contact with one end face of the elastic member in an axial direction thereof to compress the elastic member, and the elastic member presses, with a self-repulsion force, the end face of the distal end side of the sleeve in the axial direction. In this manner, an inner circumferential surface of a proximal end side of the sleeve compresses the pipe body in a radial direction of the pipe body through a reaction force received from a fitting surface of the cap nut.

[FIG. 3]