

ABSTRACT**PIPE JOINT**

A fit in type joint for tube bodies, suitable for connecting tube bodies to assemble them into a flat or a three-dimensional tube body structure, in which the tube bodies are tube bodies for a light load, or more particularly, resin adhered/coated tube bodies each formed by adhering and coating a thin layer of a synthetic resin on the outer periphery of a thin wall steel tube having an outer diameter in a range from 28 mm to 45 mm. The fit in type joint is constructed from a joint body, tapered sleeves, and fixation bolts. The joint body has one or more connecting insertion sections formed in a hollow structure, projected from the joint body, and inserted into the bores of tube bodies that are to be connected to the joint body, each insertion section having one or more axially long slits formed running from the forward end of the insertion section and arranged in the circumferential direction, each insertion section having a tapered section on its hollow section, the tapered section having a bore diameter reduced from the forward end section of the insertion section toward the joint body. The tapered sleeves are inserted into the hollow sections of the insertion sections. The fixation bolts secure the tapered sections to the forward end sections.

Figure : 1