

PIPE COUPLING METHOD, PIPE EXPANSION JIG, AND PIPE EXPANSION
METHOD USING PIPE EXPANSION JIG

ABSTRACT

A pipe coupling method capable of reducing a burden at the time of a coupling task without requiring a joint at the time of coupling pipes is provided. The pipe coupling method includes a closing step of closing an open end of a first pipe (10a) among two pipes and partly closing an open end of a second pipe (10b), a pipe expansion step of expanding a coupling end of the first pipe (10a) and expanding a part of the expanded coupling end toward the outside of other parts so as to form a partial pipe expansion portion (22), an assembling step of inserting a coupling end of the second pipe (10b) into the expanded coupling end of the first pipe (10a), a gas replacement step of making a combustion gas flow in from the partial pipe expansion portion (22) toward the open end of the first pipe (10a) and discharging the air in the pipes from the partly closed open end of the second pipe (10b), and a brazing step of filling a gap in the coupling end of the first pipe (10a) and the coupling end of the second pipe (10b) after the gas replacement step is completed.

Figure 1