

Title of the Invention: Duct Reinforcing Fitting and Duct Reinforcing Method

Abstract

A duct reinforcing fitting and a duct reinforcing method are capable of dispensing with dedicated machining equipment and reinforcing a duct. The duct reinforcing fitting which is used for a duct 100 formed by assembling wall plates 101-104, the wall plates 101-104 each having a bent portion 101A-104A for flange formation at each end thereof, includes: a pair of attachment metal fittings 20 each having a plate-like base portion 21 a back surface 20₁₂ of which comes into contact with the wall surface of the wall plate 101-104 forming an interior wall surface of the duct 100, at least one plate-like standing wall portion 22 protruding from a front surface 20₁₁ of the base portion 21, and a bent portion 23 or a sandwiching portion formed in the base portion 21 and sandwiching the bent portion 101A-104A of the wall plate 101-104 together with the base portion 21; and a bar-like reinforcing metal fitting 10 attached to the standing wall portion 22 of each attachment metal fitting 20, wherein an arbitrary number of the attachment metal fittings 20 are each provided in an arbitrary position in the longitudinal directions of the bent portion 101A-104A.

Figure 1