

Abstract

EXPANSION FLEXIBLE JOINT

Provided is an expansion flexible joint that can eliminate conventional fixing work of a stopper ring poor in workability, and can restrain a gap from occurring to thereby eliminate rusting and enables secure coating treatment and easy correspondence to a product length and a flexible amount. The expansion flexible joint includes a coupling pipe 1 having a predetermined length, paired turning spherical bodies 2, 2 that are fitted on both end portions of the coupling pipe so as to be relatively slidable in a pipe axis direction while holding water-tightness and each have a partially spherical outer circumferential surface, paired cases 3, 3 that are each turnably fitted on the turning spherical body in sliding contact in an inner circumferential surface forming the same spherical surface as the outer circumferential surface of the turning spherical body while holding water-tightness, a slip-off stopper 15 integrally provided in a one-end outer circumferential surface of the coupling pipe 1 on the side of each of the turning spherical bodies, a male screw 17 having a diameter sufficient to go through the turning spherical body provided in an other-end outer circumferential surface thereof, and a detachable flange with a stopper 18 provided by screwing the male screw into a female screw 19 provided in an inner circumferential surface of the flange.

Figure 1