

ABSTRACT**CYLINDRICAL COMPOSITE BRIDGE ANTI-COLLISION DEVICE**

Disclosed in the present invention is a cylindrical composite bridge anti-collision device comprises an anti-collision unit (1) composed of a shell (2) and a packing body (3) filled therein. The anti-collision unit (1) comprises straight cylindrical anti-collision members (4) and curved cylindrical anti-collision members (5). The nonadjacent straight cylindrical anti-collision members (4) are connected in series or parallel by a rod (6) so as to form a strip anti-collision device. The straight cylindrical anti-collision members (4) which are mutually adjacent and connected, or one straight cylindrical anti-collision member (4) and one curved cylindrical anti-collision member (5), or the curved cylindrical anti-collision members (5) are fixed and connected by a flange (7) on the shell (2) using bolts (8) so as to form an annular or C-shaped anti-collision device. A moving device (9) is provided inside the anti-collision unit (1). The device has characteristics of simple structure, low cost, convenient installation and maintenance, good self-floating ability and buffering performance, and low elastic modulus.

[Fig. 5]