

SELF-LOCKING DEVICE FOR ANTI-FALLING RAIL

ABSTRACT OF THE DISCLOSURE

A self-locking device for an anti-falling rail, comprising a housing (1), a spring (2), a rotary rod (3) and a first connection shaft (4); the housing (1) comprises a fixed-side main body (11) and an open-side main body (12), the fixed-side main body (11) being detachably connected to the open-side main body (12), and two ends of the first connection shaft (4) are connected to the fixed-side main body (11) and the open-side main body (12) respectively; one end of the rotary rod (3) is located inside the housing (1), and the other end of the rotary rod (3) is located outside the housing (1); the spring (2) may make the rotary rod (3) rotate about the first connection shaft (4), and allows one end of the rotary rod (3) to abut against the front surface (21) of a wing board of an anti-falling rail (20). The present self-locking device is adapted to the size of a guide rail thereof, thereby solving the problem that existing self-locking devices are liable to jam and have unsmooth operations.

Figure 4 accompanies the abstract