

Laying Standards of Wire Spring Clip Fastening System in the Curved Section

Tadashi DESHIMARU Takashi MOTONO Hiroo KATAOKA Osamu WAKATSUKI

Breakages of wire spring clips applied to operating lines have been reported in recent years in Japan, and it has become clear by observation of fracture face of clips that breakage in front-arch part of clip is fatigue fracture caused by an increase of lateral force from vehicle wheel in the curved section. In this study, the authors proposed the laying standards of wire spring clip fastening system in the curved section based on the results of several laboratory tests for evaluation of specification of rail fastening system and the field test in operating lines where one type of spring clip was applied on trial.