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## Tests on Buckling-restrained Braces Using Concrete-filled Channel-section Steel

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We developed buckling-restrained braces (BRB), which were produced by putting a core plate in a pair of concrete-filled channel steels. As a part of the development, we tested the influence of the steel grade and width-to-thickness ratio on BRB. As a result, BRB proved to have high energy absorption ability. The test result satisfied an evaluation expression of the past. The relationship between the proportion of compression stress to tension stress and slenderness ratio regarding the plastic zone showed a tendency as in past research.