

In a draft revision of the National Annex of standard **DIN EN 1991-1-7**, the **DIN Standards Committee Building and Civil Engineering NA 005-51-02 AA** clarified the impact loads on railing elements intended to prevent vehicles from falling from parking garages.

The current version of **DIN EN 1991-1-7/NA** 'still' refers to safety equipment with a minimum height of 1.25 m. According to this standard, these curbs and safety equipment are to be rated for static equivalent forces as a single force of 40 kN or as line load of 14 kN/m, in each case 0.05 m below the upper edge of the curb or safety equipment. This is intended to create an impact force at a height of 1.20 m, which contradicts the height specifications specified later in the National Annex of 0.5 m above the road surface for the impact of car impact forces.

The draft revision of the National Annex from **September 2018** now specifies that components designed to prevent vehicles from falling should be rated for a horizontally moving single force of 40 kN at a height of 0.5 m above the road surface.

This definition corresponds to the suppositions for the statistical calculations of the **INTEGRA** safety barrier, which form the basis of **projekt w**.

As a result, the **INTEGRA** safety barrier is expected to continue to live up to normative requirements going forward.