

## 3-2 Installation Control

The shape and size of the grooves affect the sound and vibration generated by a vehicle running over the strip. Installation shall be appropriately controlled to ensure that the installation is satisfactory and that quality standards are met. The appearance of the road after installation should also be considered.

If the specifications are to be changed from the values given in the draft guidelines for reasons of road structure or roadside conditions or if it is difficult to meet the specifications indicated in the draft guidelines as a result of changes in installation specifications or installation conditions, such as pavement unevenness, road surface condition (e.g., wet, frozen), then the road administrator and the contractor shall implement appropriate construction management after mutual consultation.

### Explanation

The installation control standards listed in Tables 3-1 through 3-4 shall apply to rumble strips whose dimensions are specified in Chapter 2. The contractor shall measure the installed strips to ensure that they conform to the specifications in these tables. The contractor shall make a table or drawing of these measurements for comparison with the specified values.

If the specifications are to be changed from the values given in the draft guidelines for reasons of road structure or roadside conditions or if installation conditions are not satisfactory because of insufficient thickness of existing road markings, pavement unevenness, road surface condition (e.g., wet, frozen), snowfall or other weather conditions, then the road administrator and the contractor shall implement appropriate construction management after mutual consultation.

#### ■ Installation specification for the centerline (double-yellow) ■

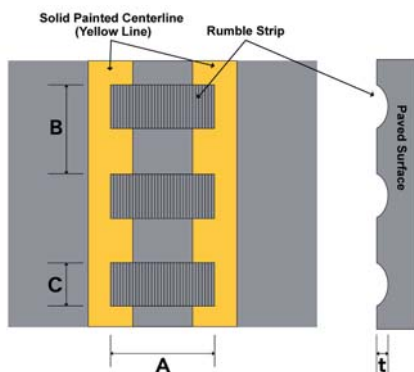


Table3-1: Rumble Strip Dimensions

Parameter	Specificatio (mm)	Tolerance (mm)	Measurement method
Transverse width A	350	±10	Avg. of width at groove leading edge and width at groove trailing edge
Milling pitch B	300	±30	Avg. of interval between grooves at left side of groove and right side of groove
Longitudinal width C	150	±30	Avg. of longitudinal length at left side of groove and right side of groove
Depth t	12	±4	Avg. of groove depth at left longitudinal midpoint and right longitudinal midpoint