

KES

Frame Torsional Stiffness Test

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1. Scope of Application

This standard shall be applied for frame for coach and truck.

2. Purpose

This is to research vehicle's vibration · control stabilization performance by measuring and evaluating the frame torsional stiffness.

3. Test Equipment

- (1) Frame Fixture : Self made
- (2) Frame for Dial Gauge : Self made
- (3) Dial Gauge for Displacement Detection : 10 ~ 50 mm
- (4) Dead Weight for Load : 20 kg
- (5) Jack for left-right control

4. Evaluation Standard

Torsional stiffness shall be same level of the objective value.

(Objective value : Design standard or reference evaluation)

5. Testing Method

- (1) Set the testing frame on the fixture.
- (2) Adjust the front wheel's left-right balance using a jack.
- (3) Indicate the dial gauge attaching spot.

(Attaching spot shall be same gap from the front, rear, and center as a reference. Attach them as the same for both side.

- (4) Set the dial gauge.