



Axle Part Shock Test

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Supplementary Provision



1. Purpose

The purpose of this standard shall be to evaluate a shock strength of an axle.

2. Scope of Application

This shall be applied to axle parts for passenger and commercial cars

3. Evaluation Standard

- (1) There should be no bent and cut of a spindle and drum.
- (2) There should be no damage, crack and cut in the wheel hub, hub bolt and disc wheel welding section.
- (3) Tire air pressure : After 30 sec from shock, it should keep the 50 % of the initial air pressure.

4. Test Condition

- (1) Disc wheel
 - Use a disc wheel made of steel.
 - (a) Passenger car : Use a disc wheel applied to the tire with the minimum breadth out of applicable tires.
 - (b) Commercial car : Use a disc wheel applied to the tire with the maximum load out of applicable tires.
- (2) Tire air pressure
 - (a) Passenger car : $2.6 \pm 0.1 \text{ kgf/cm}^2$
 - (b) Commercial car : air pressure of the maximum load of the tire.
- (3) Bolt fixing

The fixing force of a brake drum and disc wheel should be the lower limit of the design drawing torque.
- (4) Load drop height