

KES

Traction Test

KES T – I194

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1. Scope of application

This standard shall be applied to the vehicle with traction hook

2. Purpose

The purpose of this standard shall be to test the strength of traction hook to be used to tow a vehicle on trouble

3. Estimating standard

- The hook should not be broken
- The other part should not be broken or distorted by interference with wire (Wire or rope) resulting from hook distortion
(Fog lamp or plate etc.)

4. Preparing test

- (1) Prepare wire or rope (Length more than 5m) to pull hook
- (2) Prepare the jig that fix a vehicle controlling wheel and using wheel bolt after removing a tire in the case of a vehicle and that fix bumper mounting bracket in the case of a white body

5. Test condition

- (1) In the case of traction in vertical direction
 $W_1 = \text{Weight based on strength} \times 0.9 \text{ times}$

- (2) In the case of traction with 45° angle
 $W_2 = \text{Weight based on strength} \times 0.4 \text{ times}$

In this function, the weight based on strength is

Curb weight + (55 kg × 5 person) + (7 kg + 5 person)