Wheel Balancing Weights for Automobiles

1. Scope

This standard specifies to wheel balancing weights (hereinafter referred to as balance weights), specifically, clip type balance weights, for automobiles.

Remarks: In this standard, units and numerical values are based on SI (International System of Units), while units and numerical values given in { } are customary unit system, shown for reference.

2. Purpose

This standard aims to standardize balance weights and ensure their proper quality, and thus assure the safety of automobiles on the road.

3. Types

The type of balance weight varies depending on the type of rim used as shown in **Table 1.** Balance weight structure comes in a one-piece mounting type and an assembly mounting type.

4. Designation of Each Part

Name of each part of the balance weights shall be as shown in **Fig. 1.** (The figure shows an example.)

Table 1

Unit: mm

Type symbol		Applicable type of rim and mark		Standard rim thickness	Standard clip clearance	Use (Nominal rim diameter)
P	1	Drop center rim	DC	2.0	1.4	For sub-compact cars (10, 12)
	2	Drop center rim Wide base drop center rim	DC WDC	2.5	1.8	For sub-compact cars, passenger cars For small trucks, small buses (12, 13, 14, 15)
	3	Drop center rim Wide base drop center rim	DC WDC	3.6	2.5	For small trucks, small buses (15, 16)
S	1	Shallow drop center rim	SDC	5.0	3.5	For small trucks, small buses (15, 16)
	2	Flat base rim	IR	7.0	5.0	For trucks and buses (18, 20)
T	1	15° Drop center rim	15°DC	5.0	3.5	For small trucks, small buses For tubeless tires (17.5)
	2	15° Drop center rim	15°DC	7.0	5.0	For trucks and buses For tubeless tires (22.5)
A	1	Drop center rim Wide base drop center rim	DC WDC	5.0	4.0	For 2 or 3 pieces light alloy wheel (10, 12, 13, 14, 15, 16)
	2	Drop center rim Wide base drop center rim	DC WDC	6.0	5.0	For 1-piece light alloy wheel (10, 12, 13, 14, 15, 16)

Applicable Standards: Refer to page 5
Reference Standards: Refer to page 5