



Conceptual Plastic Creations

True Balance Tire Weight System



Fact Sheet

October 2008

Lead

- Properties:
 - Specific gravity (density) of 11.0
 - Soft – Malleable
 - Casted
 - Dual grayish color
- Lowest cost of metallic weights for balancing tires
- Original weight for balancing due to cost and being malleable
- Produced in many forms for compliance of the varying rim demands
- Negative characteristic is lead's corrosive property when in contact with other metals and poisonous humans. Being classified as a health hazard by the EPA.
- USE > painted to match rims and polymer coated thus reducing corrosion & health affects. YET, the paint and coatings are worn off through wind shear and exposure to the environment.

Steel

- Properties:
 - Specific gravity (density) of 3.0 and higher
 - Hard - Rigid
 - Casted
 - Color of the metal
- Next lowest cost in weights for balancing tires
- Balancing much like lead
- Produced in many forms for compliance of the varying rim demands
- Negative characteristic is steel's corrosive properties.
- USE > painted to match rims and polymer coated to reduce corrosion. YET, the paint and coatings are worn off through wind shear and exposure to the environment

Alternatives

Plasticized weights may or may not contain some low level of PVC. If PVC is used, its function is as the "glue" and for flexibility. Yet, there are many types of plastics available on the market.

- Properties:
 - Specific gravity (density) of 3.0 to 11.0 subject to the plasticized metallic mix
 - Flexible
 - Durable
 - Color of metallic ingredients
 - Non-corrosive / rust proof
- Newest cost effective weights for balancing tires
- Balancing much like lead
- Produced in many forms for compliance of the varying rim demands
 - Injection molded to mimic steel & lead weights. Creates a high inventory level.
 - Extruded mimics stick on weights and reduces inventory demand thus saving money
- Negative element can be color and size.
- NOTE: True Balance has two weight types:
 - Plasticized rubber that is colorable to match rims
 - o Extruded
 - o Flexible and capable of being cut to any length / weight demand
 - o Reduces inventory demand
 - Plasticized iron that is black and best with a static balance
 - o Extruded and more dense than the rubber
 - o Flexible and capable of being cut to any length / weight demand
 - o Reduces inventory demand
 - Unlike competitive alternative weights
 - o Low costs
 - o Low number of profiles to meet a preferred choice while minimizing inventory
 - o Packaged or cut lengths for cost considerations
 - o Sold separate or with a kit
 - o Most of all, highly durable and heat/weather resistant
 - o Recommended balance is static though may be done with dynamic