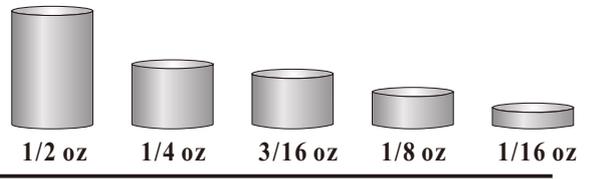




Pinewood Derby Building Supplier

1 Tungsten Cylinder Weight



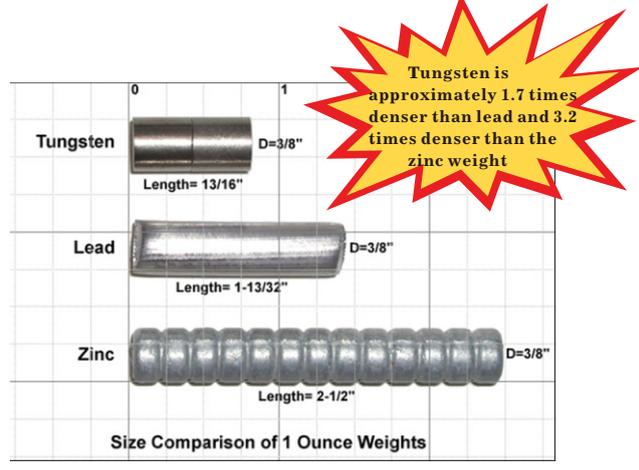
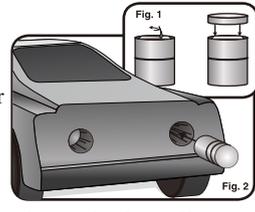
Diameter: 3/8 inch

Surface: Polished

Density: 18.0g/cm³

How to Use this Product ?

Tungsten Cylinders can be easily used for pinewood derby car weighting by drilling one or more 25/64 inch or larger diameter holes into the block and then inserting the desired number of cylinders and gluing it in place with a hot glue gun or epoxy. The hole can then be plugged or left open for adjustment at the weigh-in. Since Tungsten Cylinders are very hard, do not plan to drill out any extra weight. Instead, use an alternate method to make fine adjustments such as adding/removing tungsten putty.

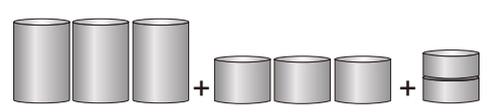


Customized Your Cylinder Combination:

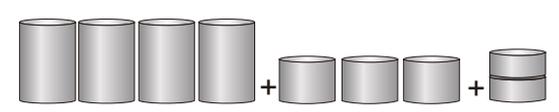
2 oz: 3 X 1/2 oz + 2 X 1/4 oz



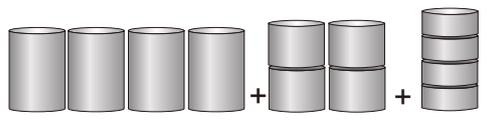
2.5 oz: 3 X 1/2 oz + 3 X 1/4 oz + 2 X 1/8 oz



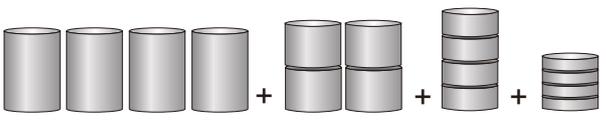
3 oz: 4 X 1/2 oz + 3 X 1/4 oz + 2 X 1/8 oz



3.5 oz: 4 X 1/2 oz + 4 X 1/4 oz + 4 X 1/8 oz



3.75 oz: 4 X 1/2 oz + 4 X 1/4 oz + 4 X 1/8 oz + 4 X 1/16 oz



Tungsten Cube Weight

- These small tungsten cubes are ideal for fine tuning your car's weight and they fit in tight spaces.
- Glue them into a slot under your car or pack them into a drilled hole.



Size: 1/4" (.17 oz.); 3/16" (.07 oz.)

Surface: Polished

Density: 18.0g/cm³

3

Tungsten Canopy

3.5 oz

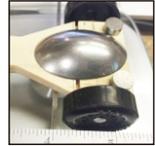


3.5 oz

The Tungsten Canopy is attached to the top of the pinewood derby car. The canopy has a stud to help keep it in place. A 3/8" hole will be drilled in the top of the block for the stud. A cool looking polished Tungsten Canopy is waited to add your car!

Instructions:

1. Drill a 3/8 inch diameter hole into the top of the car body
2. Apply glue in the hole
3. Spread just a little glue on the top of the car around the hole
4. Mount the canopy
5. Allow it to thoroughly dry



4

Tungsten Putty



This putty is great for fine-tuning the weight of your pine car. It can be easily molded into almost any shape. Pinch off a piece and press the putty into a hole in the car.

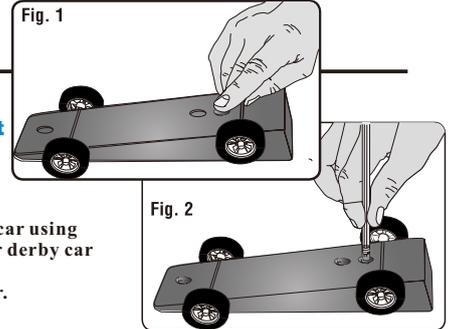


1 oz



2 oz

- Easily tune the balance and hit the exact weight of your pinewood car using less space: Break off as much as you need for precise tuning of your derby car
- Quickly move weights and test to build the fastest possible race car. No drilling into your derby car is required.
- 99% pure tungsten putty, like lead only safer – non-toxic and environmentally friendly



5

Tungsten Slotted Disc

Three Sizes Available:



(Medium dome)
2.75 oz - 5/16" high



Flat top disc (no dome)
3.0 oz - 7/16" high



(Tall dome)
3.25 oz - 5/16" high

These discs have a slot on the bottom of the disc. The slot can be used to:

- Provide clearance for the axles when the disc is mounted low in the block.
- Adjust the center of gravity of the car by rotating the disc.
- Fine tune the weight of your car by adding tungsten cubes in the slot.

Installation Method 1:



Mark & drill a 1" hole at the backside of the car so that the disc's slot will be over the rear axle holes.



Paint car, insert wheels and axles.



Put the tungsten disc flush with the bottom of body, glue disc in place.

Installation Method 2:



Glue the .17oz tungsten cubes into the slot in the tungsten disc, you can add two tungsten cubes and increase up to 0.34 oz weight.



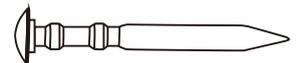
Insert & glue the disc & tungsten cubes in place and allow to dry.



Redrill the axle holes and insert axles & wheels.

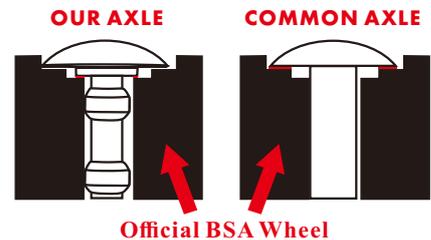
6

Pinewood Derby Speed Axles



Technical Information

- We polish every axles in manual, make sure axles have no burrs and crimp marks.
- A unique thick nickel coating makes you easy to polish for a flawless finish.
- Our axles head eliminates the negative effect of the double step on the outer hub and is a perfect platform for high performance machined outer hubs
- Head of the axle is the same size and radius as a standard BSA axle.
- Groove is added to axle so less contact between axle and wheel (the groove also holds graphite during the race).



Official BSA Wheel

	Shaft Diameter	Shaft Diameter where wheel rides	Head Diameter	Shaft Length	Material
Our Axles	0.091 inch ± 0.0005	0.093 inch ± 0.0005	0.208 inch ± 0.0005	1 inch	Stainless Steel
BSA Axles	0.088 ± 0.002	0.088 ± 0.002	0.208 ± 0.004	1 inch	Zinc-coated steel

