



*Dedicated to supplying the best Slot Racing Products to Racers Worldwide*

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#### **DARKSIDE adjustable STATIC BALANCER**

The adjustable Static balancer is suitable for balancing wheels and Gears for Slot Cars and als items such as armatures.

Mount the wheel / gear on the axle, along with the set screw you will use in the component. Gently rotate the item by stroking the axle and note where the component comes to rest. Mark the lowest point on the item and rotate again. It should stop in the same place. The heaviest part will always come to rest at the bottom. Drill out a small amount of material from the items hub or structure using a small diameter drill (1mm or smaller diameter) adjacent to where you have marked the component. For wheel balancing, use adhesive tape inside the hub.

Re mount component on the axle and spin again. Repeat until the component settles at random places when it comes to rest (this indicates that there is no heavier part of the "rotational mass and it is in balance". Take care when drilling the component not to weaken it's structure (not too close the edges etc.).

Take care when locating the axle between the magnets so as not to damage the mineral glass magnet screens. The mineral glass screens are also available as a Spare part, should they get damaged.

When balancing armatures, grind a fine point on the ends of the armature shaft using a lathe or drill to rotate the armature and a dremel with a cutting disk to grind to point. Adjust the movable magnet holder to to desired width to fit the armature allowing about 0.25mm clearance between the shaft and glass shields, carefully lock the lock nut and proceed with balancing as above.



Lock Nut



Magnet locking screw



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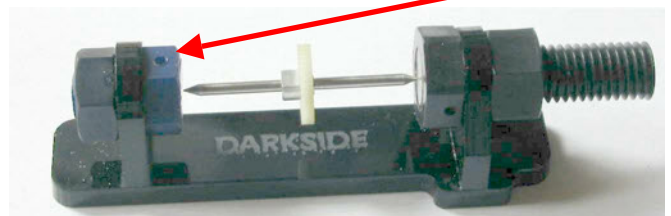
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