Congratulations on your purchase of PowerDyne Arius plates!

All PowerDyne plates are high performance skate components engineered to the highest standards and are designed by skaters who have firsthand knowledge of how a plate needs to respond, and the adjustment necessary to achieve the perfect feel. In order to ensure the proper levels of performance, please keep this card and perform the inspections and maintenance listed.

About the Arius:
Welcome to the revolutionary Arius plate, a complete reinvention of the quad roller skate plate. The patented Arius is lighter, stronger, more stable, more powerful, more maneuverable, more durable, and more efficient than any other plate. For more than 4 years, elite skaters of all skating disciplines have put the Arius through its paces to measure performance, durability, ease of use, and enjoyment. The finished product is a plate that will change the way people think about roller skating.

The key to the revolutionary design is efficiency. Traditional kingpin action plates pinch a corner of the round cushion against the kingpin to produce movement, an inefficient design requiring constant adjustment, tinkering, and exotic mounts to find optimal performance. The patented Arius plate features Progressive Lateral Movement of the truck, which is completely new. The axle presses the Cushion Crown evenly against the entire surface of the specially shaped Butterfly Cushion, creating efficient pressure. The result is stability with immense amounts of action.

Installation, setup, and adjustment:
Please follow the steps listed below when setting up or adjusting your Arius plates:

1. Butterfly Cushions. With the truck removed from the plate and the stabilization pins removed from the truck, select your desired Butterfly Cushion hardness and press it into the truck.
2. Stabilization pins. Thread stabilization pins into the truck and through the Butterfly Cushion on both sides. Note: the stabilization pins are not tension adjusters. They are meant to be installed completely into the truck and Butterfly Cushion at all times. Do not over tighten stabilization pins as this may cause the pins to strip.
3. Axle pins. Press the truck assembly into the plate and then thread the axle pin into the plate and through the circular opening in the truck. Make sure the axle pin is threaded completely into the plate. Tip: press the truck assembly towards the center of the plate and push down firmly on the axle pin as you start threading it into the plate.
4. Toe stops/Jam plugs. Thread your toe stops or jam plugs at least 1/2" into the toe stop receptacle. Tighten your stops into place with the black 5mm toe stop Allen bolt.

Recommended routine maintenance:
It is the skater’s responsibility to maintain their plates by cleaning, inspecting, and tightening any and all parts that may loosen over time due to the stresses of roller skating. Failure to do so may result in damage and/or injury. We recommend the following inspections be performed every time before skating to ensure the highest levels of performance:

1. Axle pins. Axle pins should be inspected to make sure they are always completely tight. Axle pins should be tightened with a 5mm Allen wrench (a good 5mm Allen wrench will allow you to get more torque when tightening).
2. Stabilization pins. Stabilization pins should be inspected to make sure they are always completely tight (when properly installed they will be flush with the outside of the truck). Stabilization pins should be tightened with the supplied 5mm Allen wrench.
3. Toe stops/Jam plugs. Toe stops/Jam plugs should be inspected to make sure they are threaded at least 1/2" into the toe stop receptacle. Failure to fully thread stops into the stop receptacle can place excessive torque on the plate. Rotate stops if worn and replace when necessary.
4. Butterfly Cushions. Butterfly Cushions are wear items and occasionally need to be replaced. The best indicator of worn out cushions is when they no longer feel as lively and responsive as they did when they were new. Butterfly Cushions typically should be replaced every 6 to 12 months, depending on the type and frequency of skating.

Butterfly Cushion Hardness Key:
- 71A Orange
- 74A Aqua
- 77A Lavender
- 80A White
- 83A Blue
- 86A Yellow Green
- 89A Royal Blue
- 92A Red
- 95A Hot Pink