

Durablue Super Strength Cobra Axle

Mini quads are gaining popularity in the US and mini quad racing is well attended. Mini quads which are mostly made overseas are hitting the race track and the tiny titans are pushing these quads to their structural limits. Axles are a problem as some quads have axles that are extremely thin so the failure rate on stock axles is very high.

A number of alternative axles have been deployed, but have produced a mixed bag of results. Cobra titanium axles cost about \$600 each. Titanium, which is light weight, has the strength of mild steel. If you ever watch a mini quad charging down the race track you will notice it bounces like a spring, giving the quad less control and slowing the racers track time down from up and down motion. Titanium was designed by NASA to maintain structural integrity under the subfreezing temperatures of space. Titanium would be great if your kid is racing in the arctic.

The Cobra titanium replacement axles are a thin hollow tube and originally designed for flat track asphalt go-cart racing. In order to employ one of these axles you will need to rebuild the rear end, replace the bearing carrier, sprocket and break hubs, and fork over a fistful of cash for a new set of wheel hubs. The price for an entire rebuild can cost upwards of \$1,000.

Durablue came up with an alternative to these axles. They designed a super axle based on their world record setting X-33 axle. This axle clocked speeds of 205 MPH. The Durablue Cobra axle is hollow on the ends, and uses its proprietary X-33 wheel hub design. The axle is specially heat treated and uses a straight bar for maximum material strength. The Durablue Cobra axle is approximately 4 times stronger than titanium axles. The racing hubs use a pinch bolt system. These are high performance racing hubs so you must remember to torque the pinch bolts 60 to 90 foot pounds. The advantage to these hubs is that there are no splines to wear down and no loose wheels to deal with. This gives you better overall control and a better feel for the track. It is also a better handling axle as it doesn't bounce like a spring so it hugs the track better. The Durablue axle is about 3 pounds heavier than titanium but the overall performance is still much faster. Each racers physical weight can vary by 20 to 30 pounds so a few pounds is not significant. The Durablue Cobra axle uses the stock carrier and has a list price of \$499 which includes the hubs. You won't need to buy anything extra or rebuild anything. The axle comes ready to go! The axle weight is about 13.5lbs with the hubs! Top national riders Bailey and Logan Howard uses this axle and no one has broken or bent one yet. The Durablue X-33 cobra axle is superior in strength, speed, cost and performance!