

Frequently asked questions

What are Tire Balls used for?

Tire Balls are used in Off Road Vehicles only. This includes motorcycles, mini motorcycles, sport quads, youth ATVs and UTVs, Extreme Off-Road Trucks, etc.

What are Tire Balls? How do they work?

Tire Balls are individual, inflated air cells, made of a urethane that is 10 times more puncture resistant than a heavy duty tube, creating a type of run-flat technology. Each

Tire Ball has a valve similar to a basketball and is inflated by a standard needle. Tire Balls are available in two versions: Off Road Pro II and MX Pro II [Sport ATVs ONLY].

Tire Balls replace conventional inner tubes or tubeless tire technology. Tire Ball application is made up of multiple air cells. Tire Balls provide many benefits, including, increased traction, enhanced suspension, improved sidewall stability and flat-proof protection.

Why were Tire Balls invented?

To eliminate reliance upon a vulnerable, single inner tube or a heavy foam insert. Invented by Wade Summers, a motorcycle enthusiast and engineer, the goal was to create a system that used air cells in place of common inner tube technology. After years of research and development, the product was initially introduced in the summer of 2003, for both ATVs and motorcycles.

How will my vehicle's performance be enhanced by the use of TireBalls?

Most commonly Tire Balls will increase the performance of your vehicle's suspension and improve your traction.

A) Suspension

Typically your ATV's suspension performance is enhanced by eliminating air transfer away from the tire's contact patch. Upon obstacle impact, a conventional tube or tubeless tire, air moves away from the impact zone. With Tire Balls, the individual air cells allow for progressive increased air pressure, resulting in a smoother rider.

B) Traction

Tire Balls will increase your vehicles traction. By allowing you to run lower air pressure, you increase the tire's contact patch. With more of the tread on the ground, this creates a wider traction footprint, enabling you to accelerate quicker, as well as, brake faster.

For years, racers have modified tire pressures, in an attempt to gain greater traction, with only varied success. The major advantage with Tire Balls is that you eliminate rim to ground contact. There is a unique increase in air pressure caused by compression of air in the contact zone. Without Tire Balls running lower pressure generally leads to bent rims, increased incidences of pinch flats and cut sidewalls, ruining your ride.

C) Stability

Using Tire Balls, greater stability is achieved, even at lower air pressures. While cornering, the low pressure Tire Balls eliminate the rollover effect, a problem commonly experienced when using inner tubes or tubeless technology, at similar low pressures.

Do I need a special tire size or tire brand to use Tire Balls?

No.

Tire Balls will retro fit virtually any Off Road ATV/UTV or Motorcycle Tire. Please check our website or ask for a copy of the Tire Ball Application Chart that lists all Youth/Sport/Utility ATVB™s and UTV tire sizes and Mini and Full Size Motorcycle Tires.

Each Tire Ball kit includes enough Tire Ball cells to correctly and completely fill your tire, normally with a few spare Tire Balls. Detailed installation instructions are included in each kit. Ample silicone lubricant, used in the installation process, is provided, as well as an inflation needle. Additionally, Tire Ball rim and vehicle stickers are included.

Do Tire Balls Come with a Warranty??

Yes.

TBDC, LLC will replace any Off Road Pro or MX Pro Series Tire Ball cell that fails due to manufacturing defect welds within 1 year from the date of purchase. This warranty is for Tire Ball product only, and does not include tools or accessory items; and TBDC expressly disclaims any liability for consequential damages, personal injury or economic losses resulting from the use of any of its products. Warranty is NOT transferable.

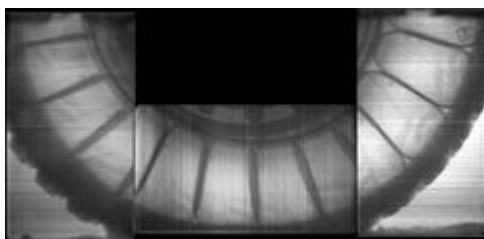
How many Tire Balls does it take to fill a tire?

The correct number of Tire Ball used in your application depends on what tire brand, model, size and pressure you are running. Listed below is a basic example of the recommended number of Tire Ball cells for Full Size Motorcycles and ATVs.

Type of Race Bike	Number of Cells	
Full Size Motorcycle	Front Tire: 35-38	Rear Tire: 25-28
Sport Quad	Front Tire: 12-14	Rear Tire: 12-14
ATV/UTV	Front Tire: 13-14	Rear Tire: 13-14

Additional information can be found in your installation manual.

Larger Trucks now available for 30" - 42" Tire sizes.



What air pressure should I run in each TireBall?

Pressure in each TireBall cell will vary upon riding conditions and your application. A standard and safe starting pressure for most riders, is to set each Tire Ball equal to the tire pressure you normally run.

Example: 12 psi in Motorcycle Inner Tube equates to 12 psi in each TireBall cell. If you run 6 psi in ATV tubeless tires, run 6 psi in each TireBall cell. Once the rider is comfortable, it is typical to a lower psi for improved performance. This enables our customers to have superior traction and performance, with any brand tire.

How are TireBalls inflated?

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What air pressure should I run in each TireBall?

TireBalls are inflated with a needle, similar to a basketball or football needle. We provide each customer, our approved needle, in each TireBall kit. Additionally, (3) three inflation options are offer for dealers/customers.

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How do I install my TireBalls?

There are (2) two ways to install your TireBalls:

1. Manually
2. By utilizing a common tire changing machine

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Are TireBalls reusable?

Yes.

When replacing a tire, simply remove the TireBalls from the old tire and reinstall them in your new tire.

How long will my TireBalls last?

With the proper maintenance, TireBalls are designed to last for several years. Who uses TireBalls?

TireBalls are used in nearly any application. Factory Supported Pros to recreational riders alike see TireBalls advantages. Anyone looking to improve their vehicles performance, while eliminating flats!

Other than racing, what are other TireBall applications?

Tire Balls are being successfully used by the US Military and commercial applications globally from Motorcycles to Light Tactical Vehicles. In addition to thousands of casual riders and up to the all out, professional racers, Tire Balls are used in more than 20 countries around the globe.

Why? The answer is simple – durability and dependability! Tire Balls are made of a special urethane, that is ten (10) times more durable than the common inner tubes, you find in OEM applications! Additionally, Tire Balls are extremely light weight. Elimination of weight will increase your tires performance! Simply stated, this is the most economical suspension upgrade a rider can purchase. And you do not have to be a racer to take advantage this performance gain.

Remember, a puncture of a single Tire Ball cell allows the rider to continue riding, pure and simple. In ATV's, 93% of the air remains available to the rider. For Motorcycles, the remaining amount air is even higher, about 97%! The impact of this insignificant air loss allows both classes of riders to continue unimpeded!

Don't let a flat tire ruin your day! Whether hunting on the back forty, sport riding on local trails, or chasing the championship title of your class, Tire Balls are your unseen partners in success!