

Balancing 19.5" Assemblies Using Balancing Beads

Introduction

In support of servicing 19.5s, Discount Tire is now offering balancing beads which are an industry standard for balancing 19.5 and other heavy assemblies. This is a simple and effective way of balancing this assembly size, without using the balancer, that produces consistent, effective results by quickly adjusting to changing imbalance conditions throughout the life of the tire.

About

19.5 assemblies are notoriously difficult to balance using traditional methods. By using balancing beads, we can reduce the difficulty, save time, and reduce the chance of injury.

Balancing beads come pre-packaged based on weight, clearly printed on the front.

Each package contains a second pouch that contains the balancing beads which is designed to be placed directly inside the assembly and will break open during normal driving, distributing its contents to balance the assembly.

Note: Never attempt to balance an assembly containing balancing beads using the tire balancer.



Installation

Note: Balancing beads should only be used on 19.5 assemblies.

To install the balancing beads:

Step	
1	Mount the bottom bead as normal
2	Grab the appropriate package of balancing beads for the application (see chart on page 3)
3	Tear open the white outer packaging (making sure not to tear inner pouch)
4	Place the clear inner pouch containing the balancing beads inside the tire
5	Continue the mounting/inflation/install process as normal with no need to place assembly on balancer



Servicing, Removing, or Repair

When servicing or removing a tire that was balanced using balancing beads, begin the dismounting process as normal but once you have dismounted the top bead, vacuum out all of the balancing beads to help reduce the chance of spillage.

Note: Balancing beads are a one-time use item. Always use a new package when re-installing a tire after a repair.

FAQ**Q: What weight bags of balancing beads will we receive?**

A: Initially, one case of (40) 10oz and one case of (40) 12oz bags will be sent to stores.

Q: What weight bags do I use for each tire size?

A: See the chart below:

TIRE SIZE		SINGLE	DUAL
8	R19.5	10 oz.	10 oz.
9	R19.5	10 oz.	10 oz.
280/75	R19.5	12 oz.	12 oz.
285/75	R19.5	12 oz.	12 oz.
225/70	R19.5	10 oz.	10 oz.
245/70	R19.5	10 oz.	10 oz.
265/70	R19.5	12 oz.	12 oz.
275/70	R19.5	12 oz.	12 oz.
285/70	R19.5	12 oz.	12 oz.

Q: What should I do if I come across larger size tires that are not on the list provided?

A: Contact DTC_EquipmentQuality with the tire size you have encountered.

Q: Will the balancing beads be auto replenished? Or will the store need to order these?

A: Balancing beads should be automatically replenished as needed. If you find that you need more than your standard shipment quantity, contact your Inventory Analyst.

Q: Can balancing beads be used with TPMS?

A: The balancing beads used by Discount Tire/Americas Tire are TPMS compatible with no modifications.

Q: Do balancing beads break down/apart after running inside the tire over a period of time?

A: Balancing beads are made of recycled tempered glass and will not break down or break apart when used inside the tire. However, the protective coating on the bead can diminish over prolonged usage which is why we do not reuse them.

Continued on next page.

Q: What if we have a return for service due to a balance issue after using balancing beads?

A: Balancing beads are designed to balance out the tire/wheel assembly. Verify the correct weight of balancing beads were installed and that no tire sealant (slime, fix-a-flat, etc.) was used as this can affect the effectiveness of the product. If that does not fix the vibration, there may be additional mechanical issues (such as bent wheels or out of round tires) contributing to the vibration.

Q: How can I identify an assembly containing balancing beads?

A: Typically, if you are working with a 19.5 assembly that has no weights attached and/or can feel/hear something moving around inside when rolling the assembly, it means that balancing beads were used.

Contact

If you have any questions, please contact the Best Practice or Fitment and Technical team.
