



Golf Cart Wheels and Tires

A comprehensive guide to understanding wheel and tire applications for Club Car, EZ-GO, and Yamaha Golf Carts!

This guide is dynamic with links to our website products and different page locations throughout. Click away and enjoy!

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Sizing of Golf Cart Tires

Golf Cart Tire sizes can be quite confusing if it's your first time taking a deep dive. To keep it (relatively) simple, all tires come sized in one of two formats - Metric Sizes or American Standard sizes.

METRIC TIRE SIZE CALCULATING

When you take a look at most automotive vehicle tires you will see several numbers, slashes, and dashes which may leave you scratching your head. It's fairly simple once you *really* figure out how metric sizing works. Take a look at the 215/35-12 Golf Cart Tire Combo shown below.



215/35-12

215

35

12

Approximate width in millimeters.
 1 millimeter = 0.0393701 inches
 215 millimeters x 0.0393701 comes to 8.46"
 The tire width on any tire size starting with "215" is approximately 8.5" wide

This number following the slash in a metric size is known as the **aspect ratio**. Simply put, this number dictates how tall the sidewall of your tire is. It's a percentage of the tire width (215).
 35% of 215 is 75.25 millimeters.
 1 millimeter = 0.0393701 inches
 75.25 millimeters x 0.0393701 = 2.96"
 Your sidewall is approximately 3" tall all the way around this 12" wheel.

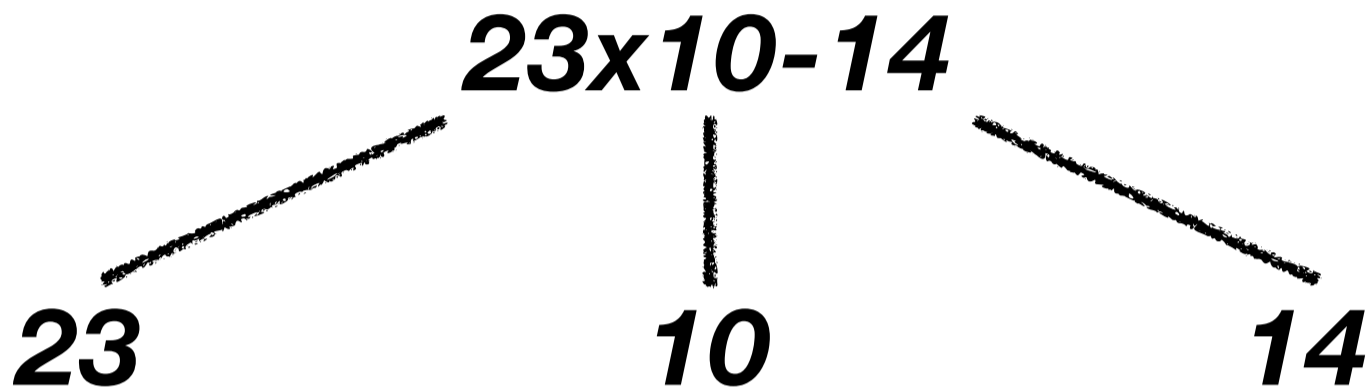
The final number is the diameter of the wheel. If you have 12" golf cart wheels you have to put a tire on it that ends in 12. You cannot fit a tire that ends in "10" onto a 12" or a 14" wheel. It just won't work.



Sizing of Golf Cart Tires

AMERICAN (STANDARD) TIRE SIZE CALCULATING

American (also known as Standard) tire sizing is much more straightforward. Check out the **23x10-14** golf cart tire size below as an example.



Approximate tire height. This tire is right around 23 inches tall which would require a lift kit to fit on any golf cart.

Approximate width of tire. In this example the tire is roughly 10" wide

The final number is the size of the wheel. If you have a 14" wheel you have to put a tire on it that ends in 14. You cannot fit a tire that ends in "10" or "12" on a 14" wheel.



Golf Cart Tire Tread Styles

Low Profile Tires (Street)

Low profile golf cart tires feature a smooth contact patch with wavy tread grooves to provide traction while dispersing moisture. These popular golf cart tires are golf course approved, easy on your lawn, and navigate on hard surfaces with ease! Most low profile tires fit under your Club Car, EZ-GO, or Yamaha golf cart without any need for a lift kit or modification! Our in depth Golf Cart Fitment Guide will tell you more on specific fitment!



Wanda Street

Excel Endura

Turf Tires

Turf tires are popular on golf carts being used in the yard, farm land, or the golf course. Think of it more as a “utility” golf cart tire offering better grip than an OEM sawtooth tire or street tire listed above. Similar to what you find on a zero turn lawn mower, these turf tires offer solid grip while remaining functional on other surfaces. Most golf courses should have no issue accepting turf tire treads.



Wanda Turf

Kenda K500

All Terrain Tires

All terrain golf cart tires have a variety of applications - campground, trails, or gravel roads to name a few but are likely *not allowed* on the golf course due to the larger tread blocks which also increase the noise factor on hard surfaces. As you move into oversized all terrain golf cart tires, please note that these typically require a golf cart lift kit to accommodate. Check out our selection of EZGO Lift Kits, Club Car Golf Cart Lift Kits, and Yamaha Golf Cart Lift Kits so that you can fit your all terrain golf cart tire and wheel combo!



DOT All Terrain

GTW Timberwolf

Off Road Tires

Off road golf cart tires are aggressive and can handle the toughest of terrain. Mud, trails, or long grass applications will put these tires through their paces as you take your cart into uncharted territory. Something to keep in mind is that larger golf cart wheels and tire combos typically weigh more, which requires more torque to get moving. Consider upgrading your golf cart controller and motor setup to help maximize your golf cart's performance!



Sahara Classic

GTW Nomad

Golf Cart Tires Fitment Guide

GOLFCARTSTUFF™ gets asked every day “What golf cart wheels and tires can I fit on my golf cart?” The answer to this question is loaded as there are several factors at play. The make and model of your golf cart, the golf cart lift kit you have installed or are looking to install, and the age and overall condition of your golf cart leaf springs to name a few.

The guides below are a result of many years of hands-on experience in the golf cart industry - installing golf cart wheels, golf cart tires, and golf cart lift kits directly onto our in-house carts and outfitting thousands upon thousands of golf carts for happy customers all over the world.



Please keep in mind that all golf carts have nuances. There are golf carts that come off the golf course abused with a golf cart suspension that is completely shot. There are dealers and builders that put together golf carts, sometimes with incorrect components or fabricated custom pieces to complete their project.



It is vital that you, the customer, understand what type of golf cart you have so that you can order the correct **golf cart accessories** and **golf cart parts**!

[What year is my Club Car Golf Cart?](#)

[What year is my EZ-GO Golf Cart?](#)




[What year is my Yamaha Golf Cart?](#)

CLUB CAR GOLF CART WHEEL AND TIRES



		Fits stock (no lift kit)	Fits with <u>1" low-pro block lift</u>	Fits with <u>3" lift kit</u>	Fits with <u>6" lift kit</u>
	Club Car DS, Carryall, Villager	<u>Up to 18.5" tall tires</u> 18x8.5-8 205/50-10 215/35-12 215/40-12	<u>Up to 19" tall tires</u> 205/30-14	<u>Up to 20.5" tall tires</u> 205/65-10 20x10-10 215/50-12 20x10-12 205/30-14	<u>Up to 23" tall tires</u> 22x11-10 22x11-12 23x10-12 23x10.5-12 22x10-14 23x10-14
		Club Car Precedent, Tempo, Onward	<u>Up to 18" tall tires</u> 18x8.5-8 205/50-10 215/35-12	<u>Up to 19" tall tires</u> 215/40-12 205/30-14	<u>Up to 20.5" tall tires</u> 205/65-10 20x10-10 215/50-12 20x10-12 205/30-14

Golf Cart Tires Fitment Guide

EZ-GO GOLF CART WHEELS AND TIRES

	Fits stock (no lift kit)	Fits with 3" or 4" lift kit	Fits with 6" lift kit
 <p>EZ-GO Marathon</p>	<p>Up to 18" tall tires</p> <p>18x8.5-8 205/50-10 215/35-12</p>	<p>Up to 20.5" tall tires</p> <p>205/65-10 20x10-10 215/50-12 20x10-12 205/30-14</p>	<p>Up to 23" tall tires</p> <p>22x11-10 22x11-12 23x10-12 23x10.5-12 22x10-14 23x10-14</p>
 <p>EZ-GO TXT, Medalist</p>	<p>Up to 20.5" tall tires</p> <p>205/50-10 215/40-12 205/65-10 215/50-12 20x10-10 20x10-12 215/35-12 205/30-14</p>	<p>Up to 22" tall tires</p> <p>22x10-10 22x10-12 22x11-12 22x10-14</p>	<p>Up to 23" tall tires</p> <p>23x10-12 23x10.5-12 23x10-14</p>
 <p>EZ-GO RXV, ST, 2Five</p>	<p>Up to 20.5" tall tires</p> <p>205/50-10 215/40-12 205/65-10 215/50-12 20x10-10 20x10-12 215/35-12 205/30-14</p>	<p>Up to 22" tall tires</p> <p>22x10-10 22x10-12 22x11-12 22x10-14</p>	<p>Up to 23" tall tires</p> <p>23x10-12 23x10.5-12 23x10-14</p>

YAMAHA GOLF CART WHEELS AND TIRES

	Fits stock (no lift kit)	Fits with 3" or 4" lift kit	Fits with 6" lift kit
 <p>Yamaha G1-G22</p>	<p>Up to 18.5" tall tires</p> <p>18x8.5-8 205/50-10 215/35-12 215/40-12</p>	<p>Up to 20.5" tall tires</p> <p>205/65-10 20x10-10 215/50-12 20x10-12 205/30-14</p>	<p>Up to 23" tall tires</p> <p>22x11-10 22x11-12 23x10-12 23x10.5-12 22x10-14 23x10-14</p>
 <p>Yamaha G29 Drive, Drive2, Adventurer</p>	<p>Up to 20.5" tall tires</p> <p>205/50-10 215/40-12 205/65-10 215/50-12 20x10-10 20x10-12 215/35-12 205/30-14</p>	<p>Up to 22" tall tires</p> <p>22x10-10 22x10-12 22x11-12 22x10-14</p>	<p>Up to 23" tall tires</p> <p>23x10-12 23x10.5-12 23x10-14</p>

Golf Cart Lift Kits

A golf cart lift kit is a bundle of suspension parts that is assembled and added to your cart that increases the height of your cart 3”- 8” depending on the lift kit chosen. Adding extra height gives your Club Car, EZGO, or Yamaha golf cart greater clearance when traveling over different terrain and allows your cart to fit 12” and 14” golf cart wheels with larger tires.

Does a lift kit actually lift both the front and rear end of the golf cart? **Absolutely**. All of our lift kits include components to lift the rear end AND front end of your golf cart. The one exception here is the 1” block lift kit for Club Car DS and 1” block lift kit for Club Car Precedent Golf Carts.

Block Lift Kits

Price:	■	■	■	■	■
Ride Quality:	■	■	■	■	■
Ease of Install:	■	■	■	■	■

Block lift kits are the most basic and affordable lift kit in the golf cart industry. The idea behind a block lift kit is to simply lift the body of the cart from axles and steering components to allow extra room for wheels and tires. The sizes for block lift kits range from 1” - 4”.



Spindle Lift Kits

Price:	■	■	■	■	■
Ride Quality:	■	■	■	■	■
Ease of Install:	■	■	■	■	■

Golf Cart Spindle Lift Kits are a fantastic choice when looking to add height to your cart for a larger wheel and tire combo. An easy install, spindle lift kits require you to replace your existing spindles with a spindles design that drops down 3”-6” creating that extra height. Jake’s lift kits are extremely popular and we believe they are the top of the line when it comes to drop spindle lift kits. We recommend a 3” or 6” spindle lift when adding 12” and 14” golf cart wheels to allow more room for the spindles to work without rubbing on the wheel or tire.



Drop Axle Lift Kits

Price:	■	■	■	■	■
Ride Quality:	■	■	■	■	■
Ease of Install:	■	■	■	■	■

Drop axle golf cart lift kits replace your existing axle piece on the front of your golf cart with a horizontal frame piece that bends downward at both ends 4-6” which is where you gain that extra space. This install is a touch more difficult to install compared to a drop spindle lift kit, but more sturdy and easier on the budget.



A-Arm Lift Kits

Price:	■	■	■	■	■
Ride Quality:	■	■	■	■	■
Ease of Install:	■	■	■	■	■

Double A-Arm lift kits offer a complete front end replacement and, in turn, the best ride quality once your project is complete. These lift kits allow you to dial in the alignment for a complete driving experience on your Club Car, EZGO, or Yamaha golf cart. Allow a 1/2 - full day to get this lift kit installed.



Golf Cart Wheel Offsets

GOLFCARTSTUFF™ receives many questions on the offset of the golf cart wheels that we carry.

What does ET-15 mean?

How do I know the offset of my wheels?

What offset should I put on my Club Car golf cart?

We will try to make this simple. On the backside of every golf cart wheel or automobile wheel you should find an “ET” number stamped into it. (image right)

The letters “ET” stand for *Einpress Tiefe* which is German for *offset*. Offset simply refers to the mounting point of the wheels in relation to the golf cart hub mounting surface.



ET+25 would mount 25mm toward front side of wheel

ET-0 would mount at the center line of wheel

ET-25 would mount 25mm toward back side of wheel

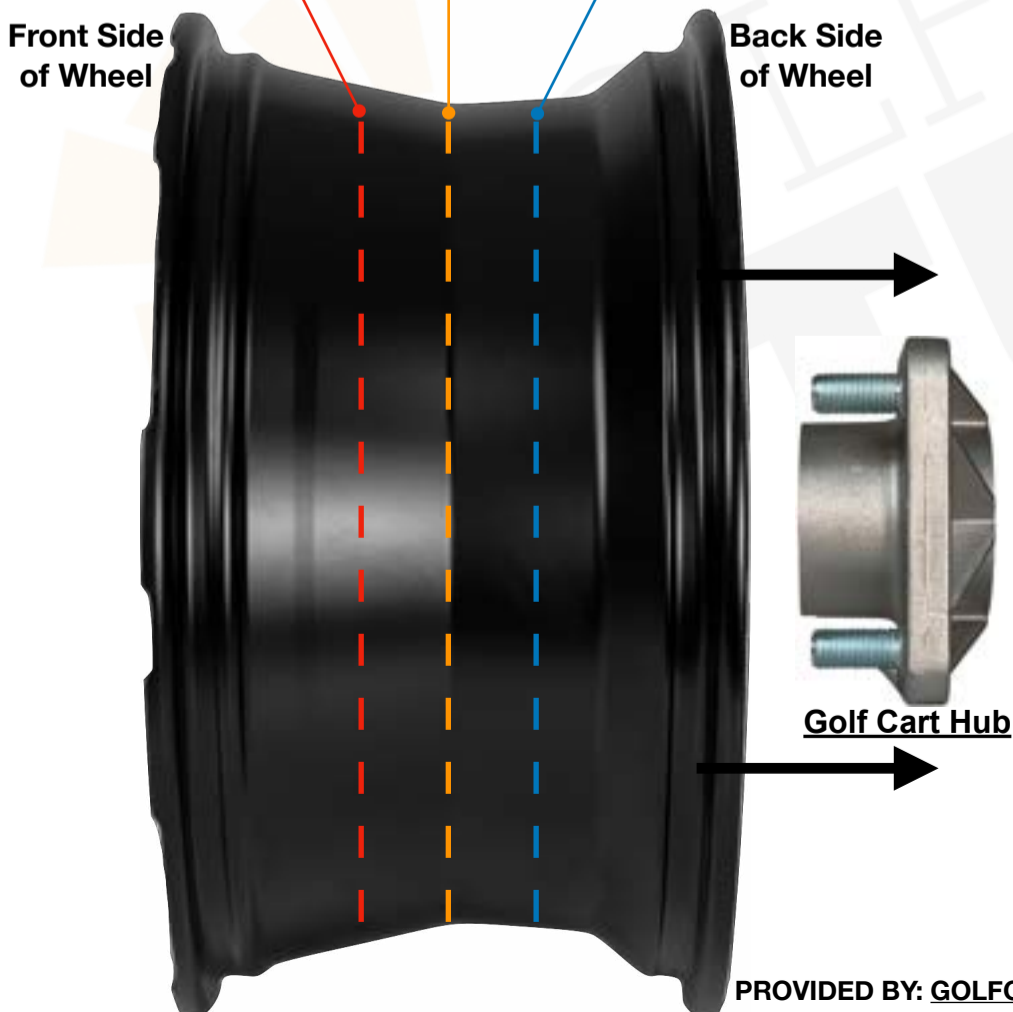
Center line of wheel
(If you were to cut the wheel exactly in half)

When the mounting point is moved toward the front side of wheel it is now a positive (+) offset. This moves your wheels and tires further underneath your cart or vehicle

When the mounting point is moved toward the backside of wheel it is now a negative (-) offset. This pushes your wheels and tires further out from your cart or vehicle

Front Side of Wheel

Back Side of Wheel



Quick Offset Reference

ET-0 wheel position should not change since it is center offset

ET-15 bumps your wheels out 0.59"

ET-25 bumps your wheels out 1"

Golf cart wheels almost *always* have a negative offset (ET).

A negative offset pushes your golf cart wheels and tires out to avoid rubbing on your golf cart frame and golf cart suspension components (shocks, leaf springs, lift kit, etc). For a more aggressive stance that will push your golf cart wheels out past your golf cart body even further, consider adding golf cart wheel spacers!

Positive offsets are extremely rare in the golf cart industry. Use caution when installing these wheels under special application as they may interfere with steering, suspension, or frame.

Golf Cart Wheel Bolt Pattern

The bolt pattern for Yamaha Golf Carts, EZGO Golf Carts, Club Car Golf Carts is 4x101.6mm. This measurement is taken from the center of one stud to the center of a diagonal opposite stud. Picture below for reference.



Wheel Torque Instructions:

1. Start the lug nuts using fingers to avoid cross threading
 - See detailed info regarding golf cart lug nuts on following page
2. Following the sequence (right) torque the lug nuts to 45 ft/lbs
3. Using the same sequence, re-torque the lug nuts to 90 ft/lbs
4. After driving, re-check torque one last time for safety

If using a hand socket wrench use 3/4" or 19mm socket.
Hand tighten securely and apply an extra 1/4 turn.



Golf Cart Lug Nuts & Install

Golf Cart lug nuts come in a variety of sizes and finishes. We carry the most common sizes for EZ-GO golf carts, Club Car golf carts, Yamaha carts, Star carts, ICON golf carts, and GEM Cars.

Acorn Lug Nuts

Acorn lug nuts are the most common style of lug nut in the golf industry. These popular lugs come in chrome and gloss black finishes that fit a variety of applications. Club Car Golf Carts and EZ-GO Carts require 1/2 x 20 Standard (SAE) thread lug nuts while Yamaha Golf Carts and Star Carts take 10mm x 1.25 Metric lug nuts. GOLFCARTSTUFF also carries special 12mm x 1.50 metric lug nuts for GEM cars. Use a 19mm or 3/4" socket to install these onto your application with a socket wrench or torque wrench.



Spiked Lug Nuts

Adding spiked lug nuts to your golf cart will make your wheel and tire set up look extra mean and aggressive! Our 2-piece spiked lug nuts come in Chrome, Gloss Black, and Red finishes. First, use a 19mm or 3/4" socket to install the lug nut base bevel end first. Once all four wheels are installed securely, hand tighten the lug nuts spikes. Double check that all lug nut components are fastened securely!



Spline Lug Nuts

Spline lug nuts are a nice touch to your EZGO, Club Car, or Yamaha golf cart featuring added security. GOLFCARTSTUFF™ Spline Lug Nuts sets include a special 6 point key that you must use to install and remove your lug nuts. Simply attach the key to your socket wrench and attach these lug nuts. Some aftermarket golf cart wheels require spline lug nuts due to space restrictions.



Spiked Lug Nuts

- 1/2 x 20 Standard (SAE) for Club Car and EZGO Golf Carts
- 12mm x 1.25 Metric for Yamaha and Star Golf Carts



Acorn Lug Nuts

- 1/2 x 20 Standard (SAE) for Club Car and EZGO Golf Carts
- 12mm x 1.25 Metric for Yamaha and Star Golf Carts
- 12mm x 1.50 Metric for GEM Cars



Spline Lug Nuts

- 1/2 x 20 Standard (SAE) for Club Car and EZGO Golf Carts
- 12mm x 1.25 Metric for Yamaha and Star Golf Carts





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