# Experience the Peak Speed with the Best Torque Converter

## Introduction

In the arena of automobiles, there has been a revolutionary change when we shifted to make our rides Automatic from manual. This positive change was not an easy task to even think about if there was not the idea of the invention of a torque converter.

Following the best torque converters undoubtedly makes your ride to make you buckle up. The accuracy is so smoother than the manual handlings and you definitely won’t be disappointed. Not only the swiftness is to be considered but the problematic system of switching to variant gears is also optimized. Consequently, you experience an uninterrupted journey with your favorite ride.

The whole system definitely has multiple parameters that help the car to move. But the speed handling and the acceleration this needs to be monitored by a torque converter which is directly connected to the power station that is the engine. So it is an inevitable part of your car to fly!

## Buying Guide

It is very much clear to us that while running an automobile we need to be accurate about the motion unit. In a manual system, there is always pressure in the engine which is reduced a lot by using the torque converters.

However, some parameters need to be measured while selecting the perfect torque converter for your use. In this case, you need to have a proper idea of a usual clutch, 30 series ones, and the 40 series ones. You need to be notified about the RPM and the matter of why you’re using a horizontal shaft and not a vertical one. So we are briefly helping you here to pick the suitable one for you.

### Differentiating the clutches

Basically in the modern set up of a torque converter, there is an impeller, a turbine, a stator, and the lockup clutch and the overall cover. This is for the vertical system which is grossly known as a fluid flywheel or hydraulic coupling and fluid is used here for spinning the turbine and producing powers. This is an affordable one for usual car rides precisely for engines that produces more powers. The impeller receives direct power from the engine and spins the turbine while the stator maximizes the torque and hence the wheels gears up.

However, for small engines, we use horizontal shafts that constitute a driver pulley which is similar to the impeller and is connected to the engine with the crankshaft, a driven pulley similar to the turbine. There is a belt that basically accelerates the power and helps speeding up.

There are the normal clutches connected to the manual sprockets and due to the high power of the engines, they wear off soon. That’s why we substitute with the torque converters to get more effective results in speed.

### 30 or 40

There are two types of converters, one is the 30 series which has the belt asymmetrically aligned with the pulleys. In this case, the angles are not symmetric, one side is 18 degrees and the other 2.5 degrees. The driven pulley is set differently than that of a 40 series.

The 40 series torque converters use belt that is symmetrically aligned and the angles are symmetric of 15 degrees on both sides and the driven pulley is also designed differently.

Which one works better? Based on what purpose you’re using. But the symmetric one seems more effective.

### Sprocket tooth

Most of the kits come with two types of the sprocket. One has 10 teeth and works for 40/41 chains while the other one is of 12 teeth and works for 35 chain. Here it is to mention that the more tooth the sprocket has had more gear ratio. (Gear ratio is like a measurement that defines how much efficient a system is) The more the power the lesser the gear ratio of the wheels. So we make the proper use of the power using a torque converter.

### Power ranges

Basically, the engines that produce power of 2HP-7HP and mostly up to 9HP units are suitable for these converters. And the average RPM rate is about 2350±200.

## Some of the best products

### Bullet Lines Torque Converter Go Kart Clutch

#### Specialties

The bullet lines ¾” torque converter is a smart gear up machine that can be used as a replacement of lot other specifications- Yerf dog, Carter Brothers, Manco, Cushman Scooters, and many more go-carts. The following models- 203814A, 217610A, 218353A, 219456A, 219554A of the comet TAV2 30-70 Torq-A-Verters also can be replaced by the 0.75” Torque converter of the bullet lines.

This converter is friendly for the small engines that can produce powers up to 2HP-7HP. However there are some selective engines- Lifan, Kohler, Clinton, Honda and its clones, Robin, Briggs, Tecumseh, will work efficiently with the bullet lines having a horizontal shaft. Reducing the engine load with nearly 10-1 overdrive this clutch gives these mini-engines more power and allows higher speed and smooth acceleration. Which technically means it has a high gear ratio. Small engine clutches are basically used in go-carts, mini bikes, lawnmowers, small tractors, waterski winches, etc.

The materials that come with this kit are 1 set driver unit (clutch bore 0.75”), 1 set driven unit (Diameter 6”), 1 piece V-belt, 1 set riven shaft and gear, 1 piece side retainer plate and a cover. 2 types of sprocket are available, one with 12 teeth for 35 chain and the other with 10 teeth for 40/41 chain. The more tooth the sprocket consists of the more efficient it follows. The belt used here is an asymmetrical type (top width 19mm), and the engagement range is 2350±200 RPM. The mounting plate of the engine is made of aluminum and there is a built-in jackshaft with a sprocket.

#### Drawbacks

The whole system can work up to almost 10 years without the problem of the damage of the belt. The belt seems to ware off often after heavy works. So the changing of the belt might give you an itchy vibe. But necessary for better performances.

<https://www.amazon.com/Bullet-Lines-Converter-Replaces-218353A/dp/B00CA5V5UW>

### GO KART TORQUE CONVERTER

#### Specialties

Bullet lines this specification is specifically used for large wheeled automobiles. This works similarly as the usual comet torque converter clutches for a lawnmower, small tractors, motorbikes, ATV, mini choppers, etc. It can be a replacement for comet TAV2 218353A.

The inclusive driver pulley and driven pulley helps the engines that can rise up to 5.5HP – 9HP powers. The type of engine that is recommended for this converter id predator 6.5HP (212cc) OHV Horizontal shaft gas engine. The other available hardware is the sprocket of 2 kinds- the 12 teeth for 35 chains and the 10 teeth for 40/41 chain, V-belt, driven shaft and gear, side retainer plate, Torque converter cover, and the mandatory mounting components. The outer sizes of the material are the same as the comet clutch of the bullet lines. Though the engagement range is 2350±200 Rpm still it can be adjusted from 1200 RPM minimum to maximum 3100 RPM. However, the necessary tools for this adjustment doesn’t come with the predator kit. This allows uninterrupted speeds and even acceleration and acts similar to a transmission. The whole kit weighs 13 pounds.

The differentiating specs that this converter for predator 6.5HP is that there is a unique bolt kit that corrects anti-vibration pilot washer. In a predator engine, the crankshaft has an extended shoulder that basically misaligns the driver pulleys belt and the pulley hits the backplate. To fix this the bullet lines this torque converter comes with a special kit that other predator engine specialty converters don’t provide. That is how it is quite different than that of the similar products available in the stores.

#### Drawbacks

In this case, the gear ratio of the engine is somewhat low for which it needs more power to startup. However, the moving portion, therefore, presents a high gear ratio. The belt is to be changed frequently for better performances.

<https://www.amazon.com/CONVERTER-PREDATOR-HORIZONTAL-CLUTCH-75-Replaces/dp/B01M5DNKVJ>

### Mophorn Torque Converter Go Kart Clutch Go Kart Clutch Set Torque Converter

#### Specialties

The Mophorns Torque converter is a successive replacement for the comet TAV2 30 series converters. Which basically indicates that the inclusive belt is of asymmetrical type.

The drive clutch here has ¾” clutch bore and the driven unit has a diameter of 6” (basically 5/8” driven pulley). This kit comprises 1 sprocket of 10 teeth for 40/41 chain. The engagement range is about 2000±200 RPM. The converter works efficiently for the small engines that have power of 2HP-7HP. 1 driver belt included, 1 plastic assy cover, aluminum base plate, and other mounting elements are provided.

This whole kit is very useful for some selective type automobiles like the snowmobiles, lawn equipment, ATVs, minibikes, go-karts, drafter, golf karts, odyssey, jr, etc. Moreover, this also shows quite affordability in industrial automobiles as well.

The most comfortable experience with this kit is that this is a direct replacement for the 30 series torque converters.

#### Drawbacks

The belt that is provided is not of that of a quality one. Most users seem to be not satisfied enough.

<https://www.amazon.com/Mophorn-Torque-Converter-Clutch-Chain/dp/B019SL0LSM>

### 30 Series Go Kart Torque Converter

#### Specialties

Sunroads this 30 series go kart torque converter can be a replacement for the comet and Manco ¾” boar maximum torque converters. This specification comes with only the torque converter clutches, the driver and driven pulleys. So there’s not even the base plates included. It’s a full iron made clutch and is quite light-weighted. It ensures high durability and maximum torque for better outcomes. The pulleys are ear resistive and dissipate heat fast.

The dimension that it follows is 39x12x12 cm accordingly to length, width, and height. And the whole converters weighs only 2.3 kg. However, it is well fitted for only the 30 series go-kart equipment. Two kinds of sprockets can be assist able to this, the 10 T for 40/41/420 chain and the 12 T for 35 chain.

This is well designed for the 6.5 HP 212 cc engines. The most inform able thing for this converter is that it promises the maximum torque.

#### Drawbacks

We can simply say this converter doesn’t come with necessary kits, especially the very inevitable parts as in the belt. But this is a smart choice for as 30 series go-kart. The sprockets are also not included.

<https://www.amazon.com/Torque-Converter-Clutch-Driver-Replacement/dp/B076BSL5W3>

### New 30 Series 6.5 HP Go Kart/Mini Bike Torque Converter

#### Specialties

The IPARTS EXPERTs torque converter works for the small engines that produce 3HP-8HP. The converter can replace the most famous comet and even the Manco predator converters. This is a 30 series converter which means it works for the belts that are asymmetrically aligned.

This can replace TAV2 219552A, however, it is highly recommended to have a professional installation because the angles between the belt and the pulley have to be accurate. It is worth mentioning that the driver pulley must be bolted the 0.75 crankshafts tightly else it might be interrupted while in motion.

The converter is mostly a good choice for automobiles like minibike, go-karts, and lawnmowers. The centrifugal clutch which denotes the part that is connected to the engine's crankshaft has bores of ¾ inches. The keyway is 3/16”. The whole arrangement is made of iron elements so it is not that much of a weight. It is portable, can take off heavy duties and quite strong. Dissipates heat at a high rate, and confirms max torque. Having max torque the gear ratio of the motion parts consequently increases. So it develops acceleration and speeds up in no time.

#### Drawbacks

The necessary belt and the sprockets don’t come with the set. And if the mounting of the pulleys and the belt is not done professionally then you might be in a problem.

<https://www.amazon.com/30-Torque-Converter-Replacement-Complete/dp/B07RXJ6JXH/?th=1>

### Torque Converter Go Kart Clutch Set 3/4" 10T 40/41 and 12T 35 Chain for Manco Comet

#### Specialties

The Megaflint go kart torque converter kit is a full assembly of all the necessary hardware and it is a combination of iron and aluminum parts which allows it to be sturdy enough. It is a 30 series converter kit and comes with mounting aluminum plate, sprockets 10 T for 40/41 chain and 12 T for 35 chains, belt, and necessary hardware. The driver and driven pulley are of iron material and the centrifugal clutch is connected to the crankshaft of ¾”.

The comet series of the models 218353A, 219552A, 219456A, 217610A, and 203814A TAV2 30-75 can be replaced by this kit. It is well for having speedy experience and a smooth ride. Works for the engines of go-karts, small tractors, lawnmowers, minibikes and many more. The engagement range is of 2350±200 RPM and allows us to have a kick start for the motion.

The belt is of asymmetrical type, and the gear ratio of the wheels, therefore, is high. The driven pulleys bore is of 5/8” and the diameter is 6”. The driver pulley has ¾“bore. Resists wear and dissipate heat fast.

#### Drawbacks

The kit has no chains inclusive which are painful as you have to manage that exclusively.

## FAQs

### Does the converters work fluently for more powered engines?

We basically choose torque converters for small engines. However, if you try it for engines having more than 8HP then you’ll have to modify your kit differently. The predator engines need more power and modification.

### Is the 40/41 and 420 chains are similar?

No, they are different. 420 chains are wider than the 40/41 ones and it creates a groove on the back plate while it gets rubbed.

### Can we use the same pulleys in the 30 and 40 series system?

No, we cannot. Because 30 series is for asymmetric alignment and the 40 series for symmetric alignment, so there’s a difference.

## Conclusion

Going through all the specification this must be ambiguous for one to choose the best torque converter. However, most of them come with similar components. The difference is that the manufacturer and the quality product they provide if those are genuine.

Among all these the bullet lines torque converter that replaces comet and TAV2 series converters are worth choosing one. The positive reviews and the quality workmanship makes it better than other ones. Some don’t come with all the elements and some need professional installation. So basically apart from all that chaotic situation, it is easier to identify the worthy one.

## Meta Description

Want a buckling ride and swiftness like flash? The best torque converters are here to gear up your engine to a whole different crest. REV UP!