



# BLACKRIVER TRUCKS

for a brilliant grind!

## **BRR Trucks – Worth to know...**

We launched the new trucks a few weeks ago and the response was overwhelming.

However we were surprised how many fingerboarders were overchallenged by the trucks technical structure and new features.

Most fingerboarders never had a professional truck before and were not used to see fingerboardstuff as professional sportequipment. But that is just what we have with the rucks: The trucks took a giant leap away from simple toys. The reason for this is the fact fingerboarding is performed on a lot of different levels. For some people fingerboards are collectables, simple toys or sports equipment. The first two groups already had a large range of goods to chose from while fingerboarders riding on a professional level were asking for an innovation on the truck sector.

The following article is not meant to praise the features of the truck. Instead the intention with the article is to explain, why the truck is built the way it is and how to finetune the trucks correctly without ruining it by unproper use.

Most single parts of the trucks are exchangeable similar to skateboardtrucks. With most parts being replaceable there is a risk of kids full of curiosity needlessly taking apart the trucks just to assemble the trucks incorrectly causing single parts to be broken. To prevent fingerboarders from ruining their trucks we placed a instruction note inside the boxing with basic information on proper use of the product.

Nevertheless people do not seem to read instructions and we were facing numerous e-mails, phone-calls and letters from people asking questions about features explained in the instruction note. To ban the risk of ruining the trucks due to unproper use and to give the users all information necessary to understand the features of the trucks we decided to write this in depth guide placing it in the description of the article in the webshop.

We developed these trucks for professional use and just like with all professional sportequipment the product demands more attention and finetuning than simple toys. A high tech product this small logically requires a lot more touch than products of lower quality so we advise every fingerboarder riding the BRR Trucks to read the following article carefully.

The top professional fingerboarders of the world swear by the trucks, since they provide all features necessary to guarantee fingerboarding at the highest level. How could they be wrong?

The way to achieve the same insight in the usage of the trucks professional riders have is to understand the features of the trucks.

We want you to ride the trucks having fun because they are of the highest standard available. We do not want you to break them due to unproper use.

Here we go:

### **What do i get?**

Each of the two trucks consists of:

- 1 baseplate
- 1 hangar with inserted passing axle pin
- 1 pivotcup in the baseplate
- 2 nuts for the axlepins (BRR Trucks 2.0 = special lock nuts)
- 1 kingpin in the baseplate
- 1 kingpinnut (BRR Truck 2.0 = special lock nut)
- 1 small bushing (lower)
- 1 bigger bushing (upper)
- 1 bushing ring washer (upper)
- 1 instruction note

One truck already consists of 11 (!) single parts and some of the parts have to be placed the right way up to make sure the trucks functions correctly.

Two trucks double up to 22 (!) single parts. Luckily the trucks are pre-assembled. We recommend NOT to take the trucks apart if not needed. It is sufficient to mount the wheels, set the steerance, secure the nuts and mount the trucks to the deck with the included 8 special screws.

The 22 Truckparts + 8 screws + the Blackriver tool + keychain for the tool + sticker totals more than 30 (!) parts for each pack of trucks. One can sense all these small parts for such a small thing might indicate the trucks are not just a simple toy.

### **Deck assembly**

At best the trucks should be mounted to the deck directly when taken out of the package. Most decks/boards are still handmade and in most cases the holes in the boards are drilled by hand. This causes deckholes to be slightly crooked sometimes. When already having mounted 3 screws the fourth screw might need a lot of force to get mounted as well. If the last screw needs to much force the screw could damage the baseplate. With cheap baseplates it might not be fatal but it should be avoided when riding the BRR trucks. So when in doubt waive the last screw.

When in doubt we advise to be content with only 3 srews instead of damaging the baseplate. Trucks are save even with only 3 screws. Fortunately this is an exeptional case.

### **Wheel assembly**

With the Trucks assembled to the deck the next step is to mount the wheels. Simply loosen one of the nuts on the axle pin, place one bearing wheel on the pin and start mounting the nut a little. Do not tighten the nut to much. Wait until you have placed the second wheel on the other side on the axlepin securing it with the second nut.

Remember the trucks have a passing axle pin so when overtightening the nuts you will cause the pin to be pulled out to far on one side not leaving enough of the pin on the other side to mount the second wheel and nut. Correctly mounted the passing pin sits centered in the hangar no matter how loose the pin was sitting before.

It is NOT a defect when the passing pin is slidable! It was an intended feature of the first edition truck. With the BRR Trucks 2.0 the passing pin is locked much tighter to prevent people to perform risky tuningmoves.

If you in spite of that overtighten a nut causing the pin to slide you can simply untighten the nut and pushing the pin back carefully. Do not use violence.

When mounting the nuts the passing pin might turn around. In that case hold the pin on the other side by using a second tool or a small pliers.

### How do i place the passing pin the right way round?

In case you took apart your truck make sure not to use too much force when reassembling the trucks. Too much force might cause parts to bend, getting stuck or break.

For normal use please do not take apart the trucks! The following picture however shows how to place the passing pin the right way round.



Place the hangar on the table in front of you like shown in the picture. Make sure the pivot points toward you. The hangar has a tight and a wider opening. The wide opening points to your right. This is the end to enter the passing pin. The passing pin has a thickening at one end. The passing pin has to be entered with the other side first. Believe us, this is how your truck looks inside, you do not have to look yourself! ;-)

The passing pin for the BRR Trucks 2.0 is sitting much tighter and is not intended being able to be taken out of the hanger!!

### The steerance

The next step is to find out how you like your steerance. Try a few tricks adjusting the steerance by using the Blackriver tool. Tighten or loosen your kingpin nuts. It is a matter of taste how loose you like your bushings. Nevertheless we discourage you from overtightening the nuts. Rock hard steerance increases the pressure on the kingpin and bushings.

### The bushings

The bushings are made from a special material. Similar to skateboard bushings the material used here adapts to the riders individual preferences.

In case you took apart the trucks it is important to make sure to place the bushings correctly when reassembling the parts:

The proper sequence is the baseplate with kingpin first, followed by the small bushing with the peak pointing down, the hangar next, the bigger bushing pointing up, a washer and nut. When mixing up the bushings the angles between hangar, pivot and kingpin is no longer correct. This will cause too much pressure on the pivotcup and kingpin and wear out the bushings crooked. A punctual overload like this can cause breakage of the kingpin. .

### Nut Guard

In skateboarding the nuts for the axle and kingpin are big enough to feature a small plastic ring preventing the nuts from twisting off by themselves. The tiny nuts used for fingerboarding did not have these plastic rings because in most cases the nuts were too small for such a feature.

Fingerboarders use „nut guard“ (available from different brands) to make sure the nuts keep on place. It is similar to superglue with the important difference that the nuts still can be dismounted when using the right nut guard. Do not use the strongest nut guards.

Experienced fingerboarders use nut guard after they have assembled all parts. When using regular superglue it might be impossible to adjust the nuts causing the kingpins or axle pins to break when trying to turn the nuts.

To prevent ruining your bearings, we advise you to place a drop of nut guard on a piece of paper. Take a needle or toothpick, dip it in the nut guard and use it to seal the mounted nuts. This way you can dose the nut guard.

The BRR Trucks 2.0 however feature special and innovative locking nuts just like we know it from skateboards. These locking nuts make fluid nut guard no longer needed!

### **Sliding bearings**

The BRR trucks are constructed to prevent the hangar from grinding out the back of the wheels. The new trucks spare the wheels averting unnecessary friction. The wheels are now using the bearings as intended.

The hangar is more narrow towards the end pieces to make the trucks only touch the bearings not the wheels.

Depending on the brand, the edition and individual case it can vary how tight the the bearings are sitting inside the wheels. Too much pressure can cause the bearings to slide. On a case-by-case-basis the wheels will move onto the hangar getting stuck.

Most wheelbrands are ready with the next generation wheels where the bearings won't slide. Flatface and Substance were the first hitting the streets with the next generation wheels. Winkler Wheels will be ready with special wheels soon.

In most cases the old type of wheels will however function as well. Some might need a little tuning. Double bearing systems do also prevent the bearings from sliding. New wheel-types out or coming soon will fit these cleverly thought out trucks perfectly offering you a smoother ride, less friction and more durability.

### **Do all wheelbrands and wheeleditions fit the trucks?**

In Skateboarding the different brands use the same size wheels and bearings while in fingerboarding a lot of different wheelsystems and sizes can be found.

A truck made to fit all wheel- and bearingtypes is possible, but it would need a slim and long axle pin making most bearingwheels sitting slacky on the trucks and the pins pointing out to far making scratches on tables and ramps when landing primo.

Working together with Winkler Wheels the year-long experience and quality products convinced us to chose the bearings and wheel dimensions used in Winkler Wheels products as a master. Nevertheless this does not mean no other brands do fit the trucks. Amazingly many different brands do fit the trucks and as stated before most brands have or will produce the new generation wheels with an improved bearingsystem.

We can't guarantee all wheels and bearings in the world will fit since in fingerboarding there is no production norm. When using wheels with the old bearingsystems there are a few options if the bearings should start sliding. Fingerboarders are clever and innovative. Some people carefully glue the bearings into the wheels (superglue, with a toothpick), others use washers and some loosen their wheel just a little bit giving the wheel more space to compensate pressure. All these options require dexterity and we recommend usind wheels of the next generation.

More tricks and tips can be found on „ffi“, „fbweekly“ and other user-based webpages for fingerboarding.

### **Repair parts**

To make the trucks last longer we have made special repair sets so you can exchange worn out parts instead of bying new trucks all the time. Different „first aid sets“ are available.

### **Warranty**

Unproper use can damage the trucks. The warranty spans productional faults not unproper use, excessive force and/or ordinary wearout!

Unproper use and productional faults can clearly be distinguished when inspecting the single parts. Proper use however will make you have a lot of fun with the trucks.

The wheels do not sit slacky, the bushings and the pivot-system provide you with a never before seen boardcontrol and with a little individual finetuning these trucks become **your** trucks and offer fingerboarding at the highest level.