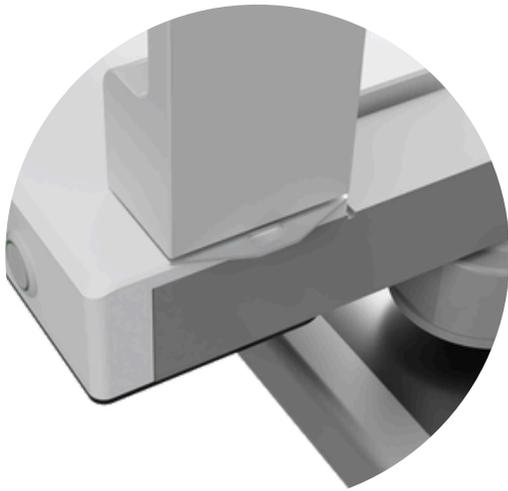


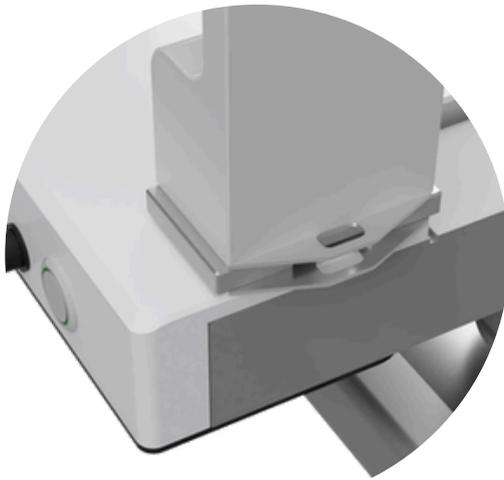
# ELITE HUB STAND SYSTEM MANUAL



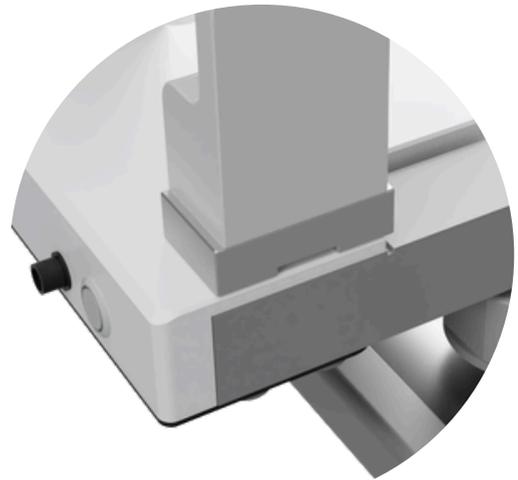
## Height adjustment



1MM Height



8MM Height



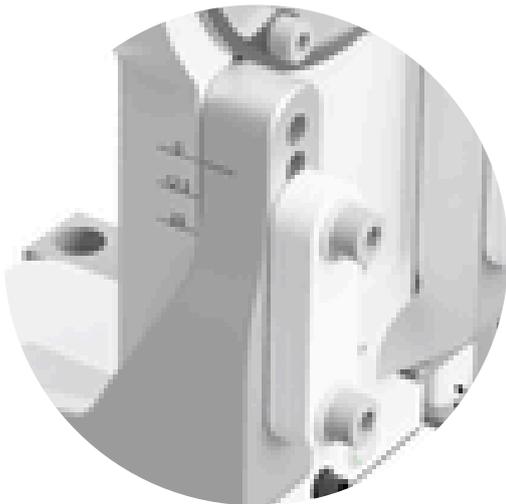
15MM Height

The kit includes 8 pieces of each spacer in the following sizes: 1 mm, 6 mm, 9 mm, 12 mm, and 15 mm.

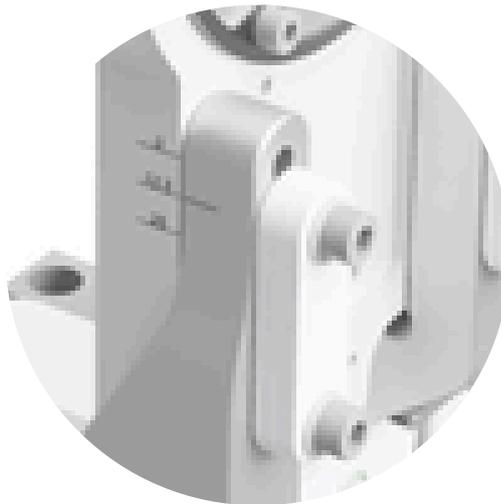
To use

## Height Positions

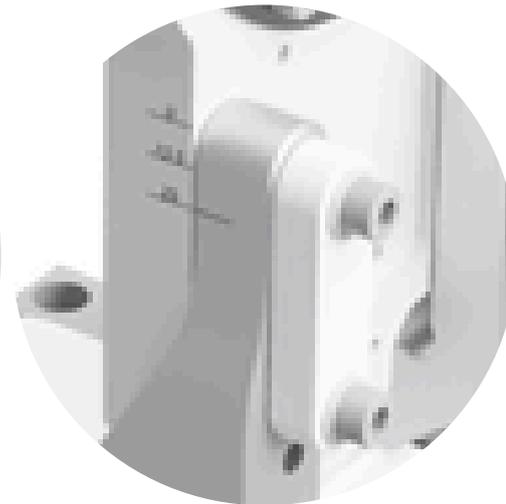
Three different height positions are available



25MM



12.5MM



0MM

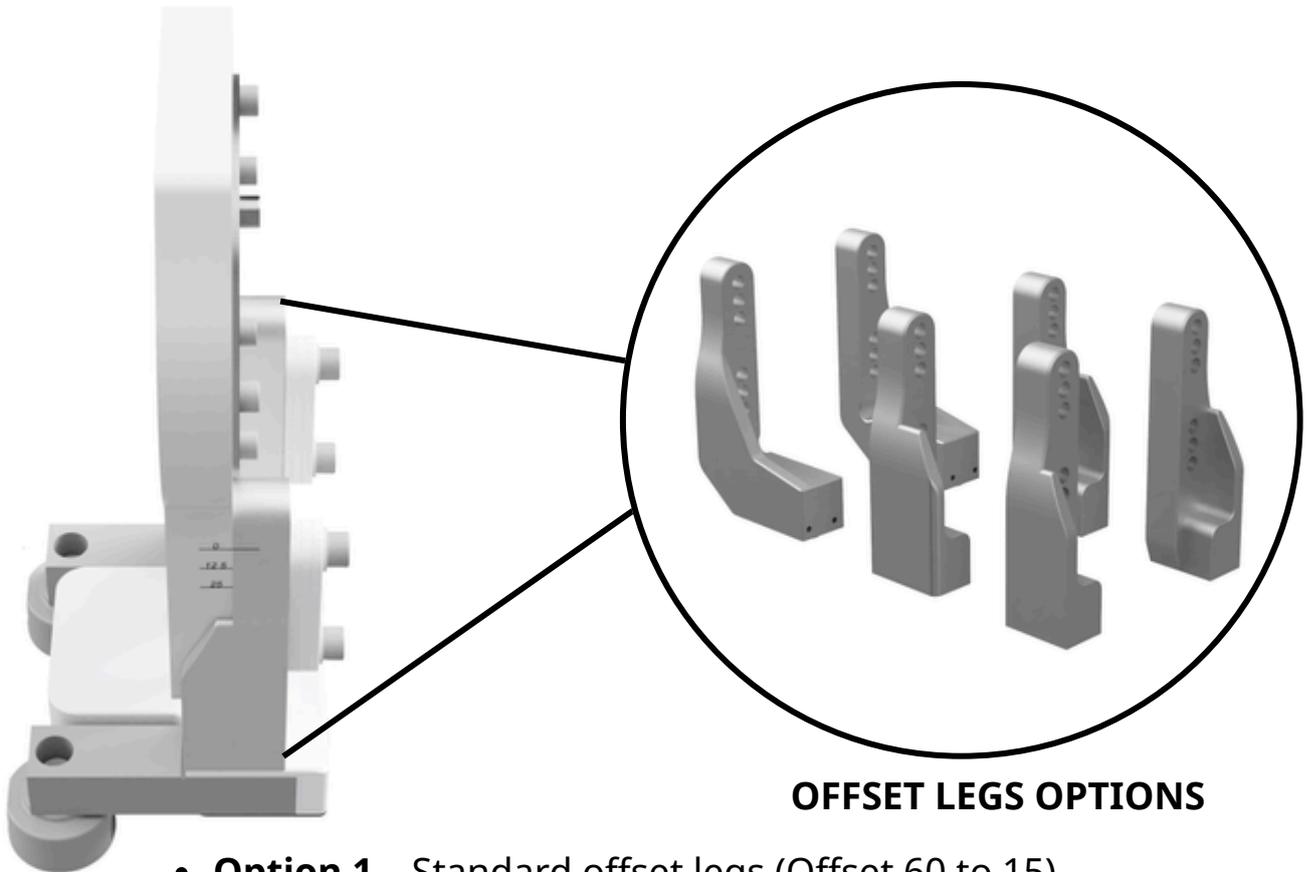
The starting height is 320 mm. Height can be adjusted using the mounting holes as follows:

- 0 mm (Standard Height): No additional height gain from the legs.
- 12.5 mm (One-Hole Down Position): 12.5 mm height gain from the legs.
- 25 mm (Two-Hole Down Position): 25 mm height gain from the legs.

For additional height adjustment, use the spacers and add their thickness to your ride height accordingly.

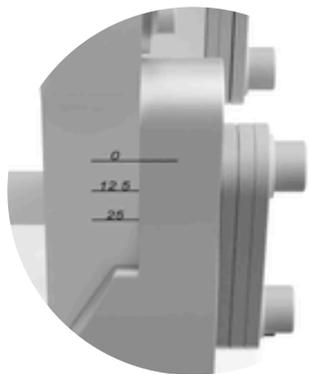
**You must use at least 15 mm of spacers** to ensure the bolt thread is fully seated. If no additional height gain from spacers is required, place them under the hub stand

# Hubstand offset adjustment

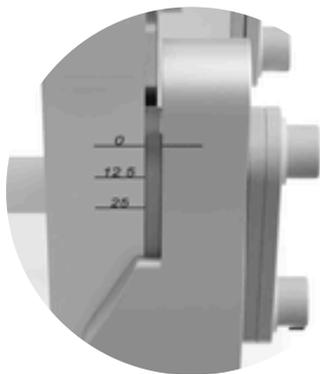


## OFFSET LEGS OPTIONS

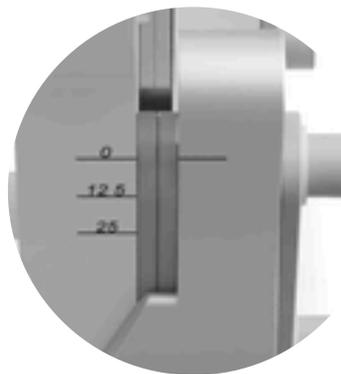
- **Option 1** - Standard offset legs (Offset 60 to 15)
- **Option 2** - Mid offset legs (Offset 70 to 50)
- **Option 3** - High offset legs (Offset 85 to 65)



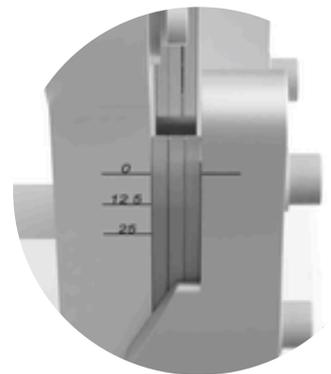
OFFSET 60



OFFSET 55



OFFSET 50



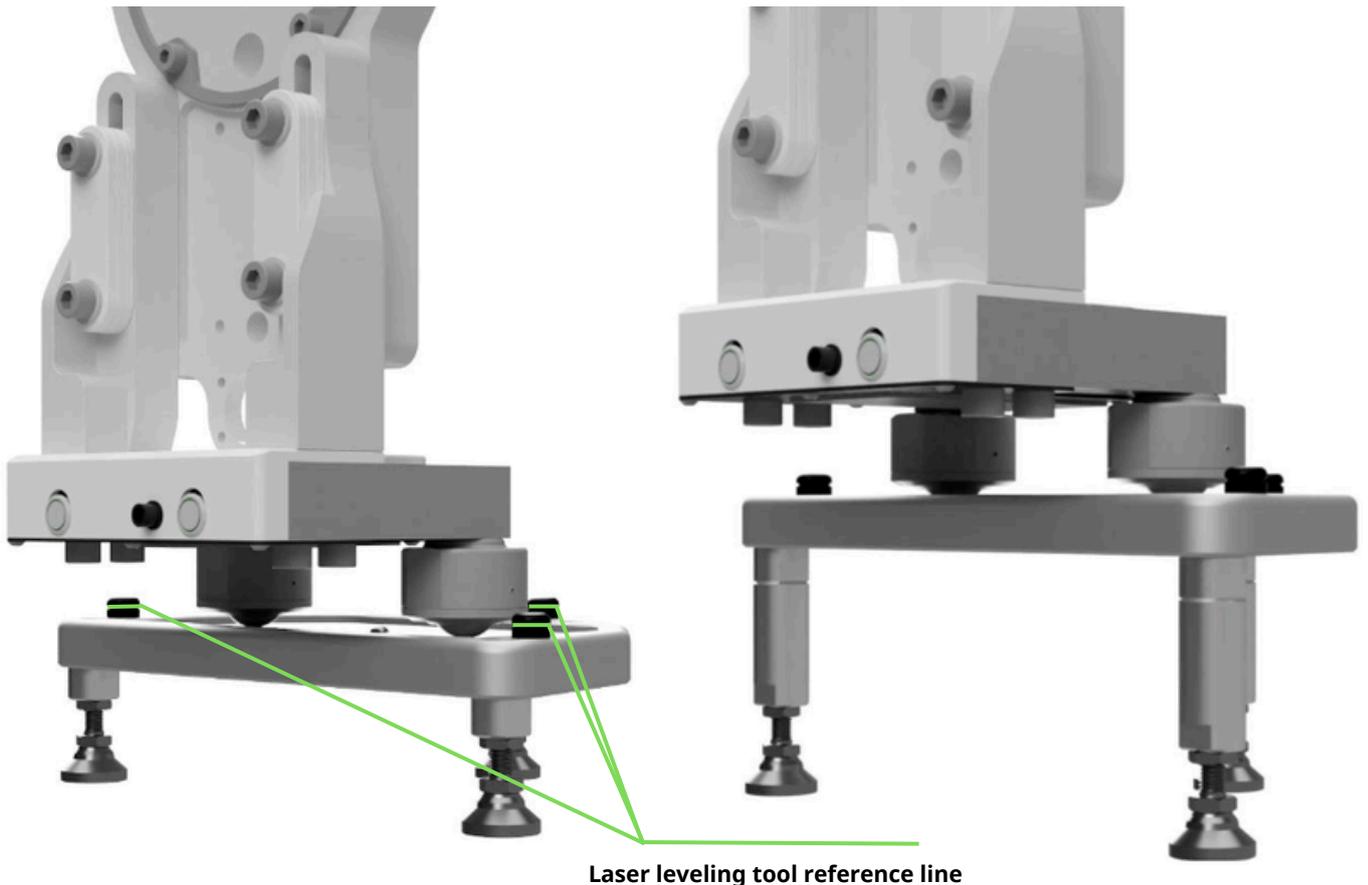
OFFSET 45

**Rotate the offset legs to achieve lower offset values.  
Each shim has a thickness of 5 millimeters.**

**Adjust the offset using shims. To determine the correct offset, measure from the center of the tire's contact patch. Do not rely only on the wheel offset.**

**The maximum recommended number of spacers is four**

# Base leveling plate setup information



## Base Plate Leveling with Laser and Leveling Pins

- **Set Up Laser** – Position and switch on the laser leveling tool so it projects a flashing horizontal line across the base plate.
- **Check Leveling Pins** – Each leveling pin has a groove that serves as the reference point for the laser line. The pins are 10mm higher than real system ground level.
- **Adjust Feet** – Turn the adjustable feet (or jacking screws) on the base plate until the flashing laser line aligns with the groove on each pin.
- **Verify** – Confirm that the laser line is centered in all grooves to ensure the plate is uniformly level, using a digital dual axis angle reader confirm the level.

### Spacer and Load Guidelines

Each kit includes 12 spacers, each providing an additional 55 mm of height adjustment for the base leveling plates.

- **Maximum Stacking:** Do not stack more than 2 spacers under a single base plate! Using more than 2 spacers may reduce stability and is not recommended.
- **Load Limit:** The maximum permissible load is 500 kg per wheel on the base leveling plate.

**Exceeding this limit may result in damage or unsafe conditions!**

# Mounting plate centers



## STEP BY STEP INSTRUCTIONS

1. **Release Bolts** – Loosen and remove the 5 bolts securing the mounting center.
2. **Swap Centers** – Replace with the desired mounting center.
3. **Check Surfaces** – Ensure all contact surfaces are clean, free of debris, and aligned perfectly before tightening.
4. **Reinstall Bolts** – Secure the mounting center by tightening the bolts to the specified torque.

## TECHNICAL SPECIFICATIONS

**Bolt Size:** M8

**Bolt Quantity:** 5 per center

**Thread Material:** Aluminum

**Torque Specification:** 17 N·m

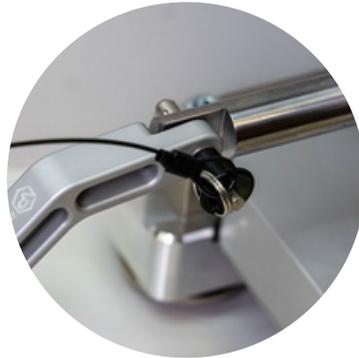
**Do not exceed this torque value, as higher torque may damage the aluminum threads!**

# LASER ALIGNMENT SETUP



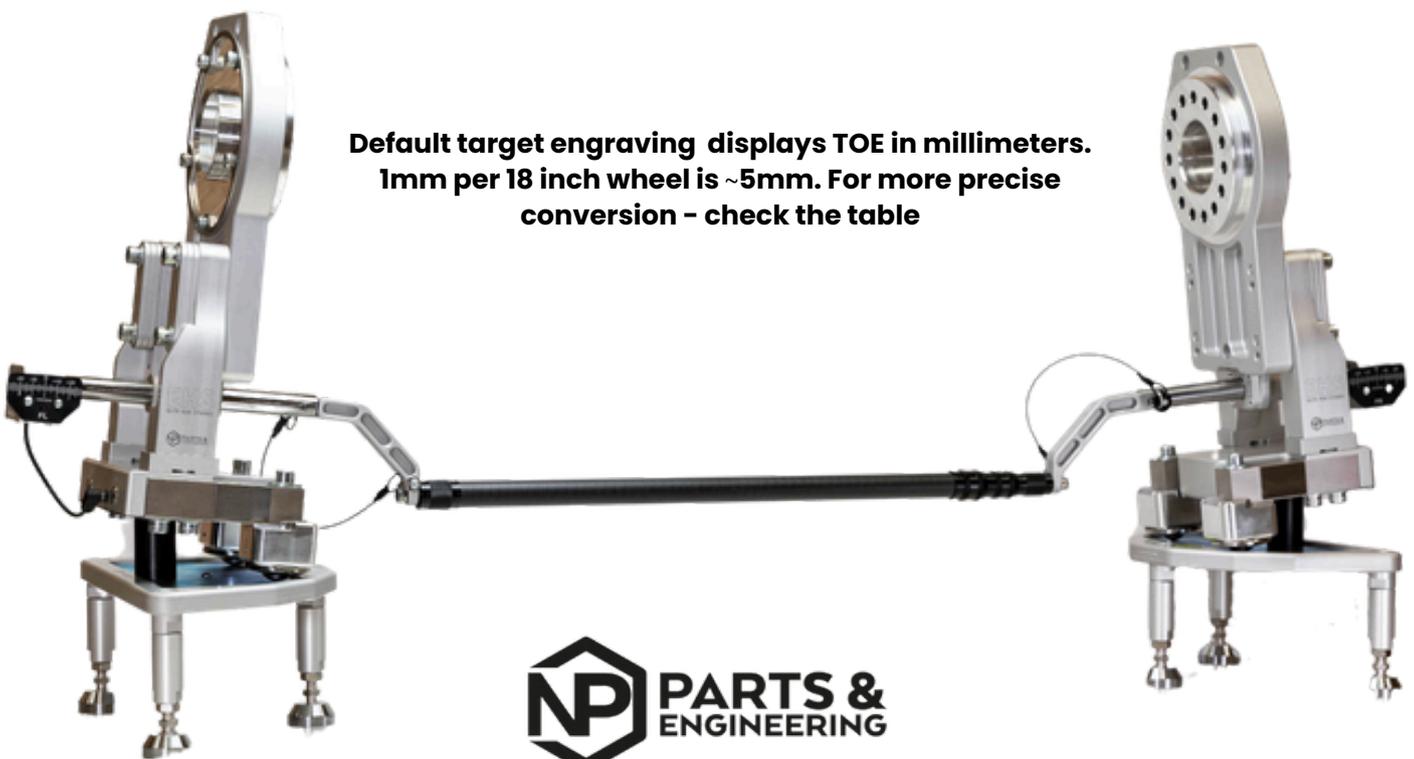
1. Insert the laser module into the hub stand
2. Tighten the thumbscrew to limit the shaft rotation (The thumbscrew must enter the slot on the laser alignment shaft, **DO NOT LOCK THE SHAFT!** The shaft Must be able to slide freely)
3. Plug in the laser module connector
4. Repeat this process for all the hub stands

5. Unlock the axle width bar and extend it. Make sure it can reach laser modules on both sides and lock it securely.  
**IMPROTANT: Axle width must remain the same at all times during the measurement**

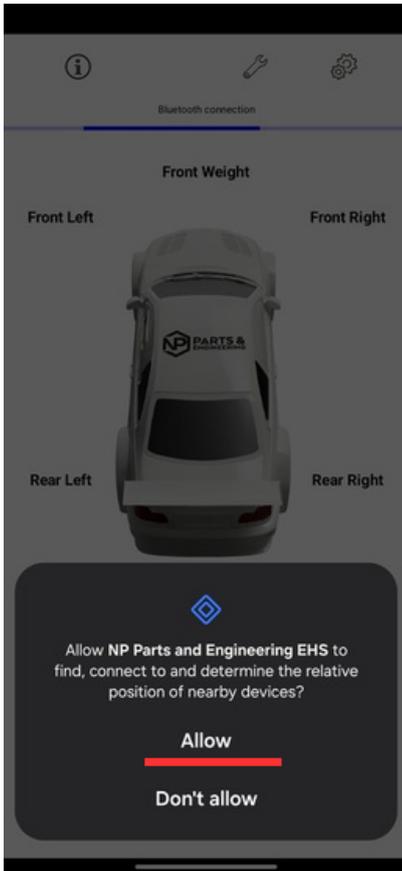


6. Connect the axle width bar to the laser modules ensuring the modules slides freely.
7. Check laser modules offset on both sides. There are engraved rulers on laser module shafts. Center the system
8. Lock the laser modules in place with thumbscrews
9. Move the width bar to the other axle.  
**IMPORTANT: Make sure the width of the bar does not change.**
10. Repeat the same process as in the steps 7,8.
11. Read the TOE Values

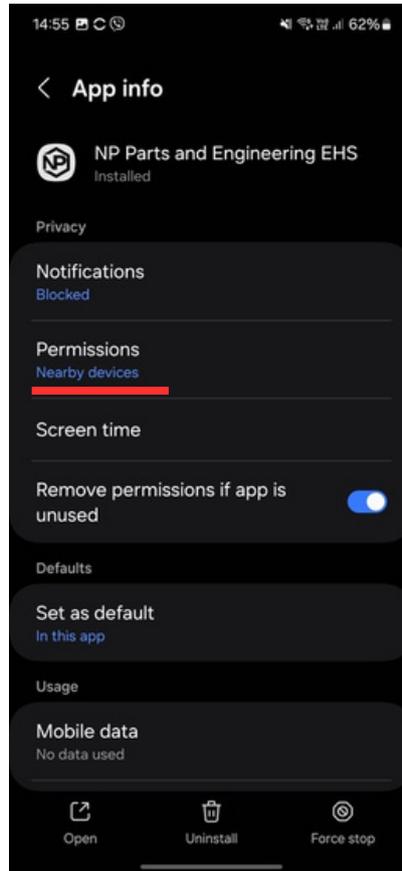
Default target engraving displays TOE in millimeters.  
1mm per 18 inch wheel is ~5mm. For more precise conversion - check the table



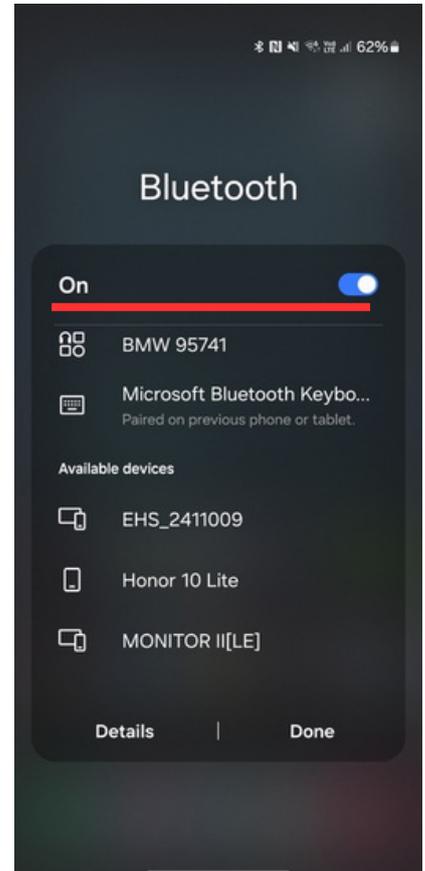
# CONNECTING TO THE APPLICATION



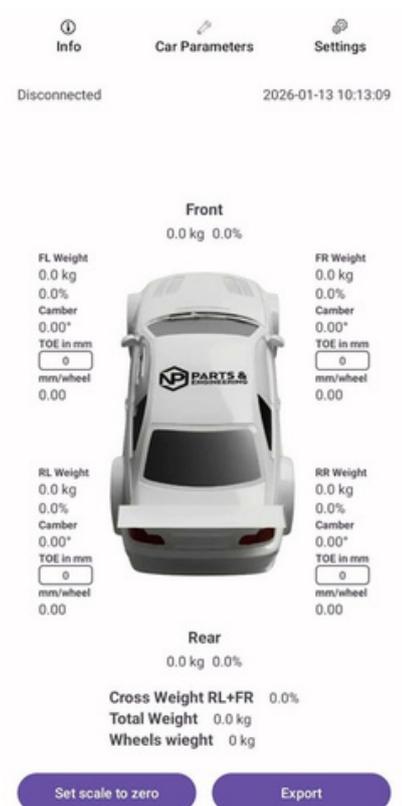
1. Install the application



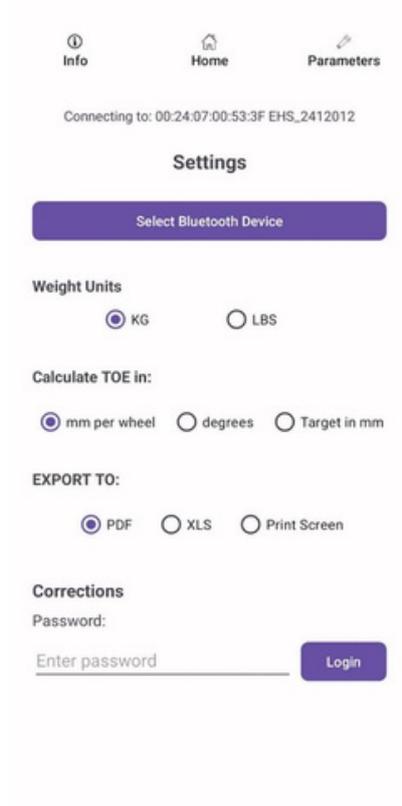
2. Make sure to set the permissions to nearby devices



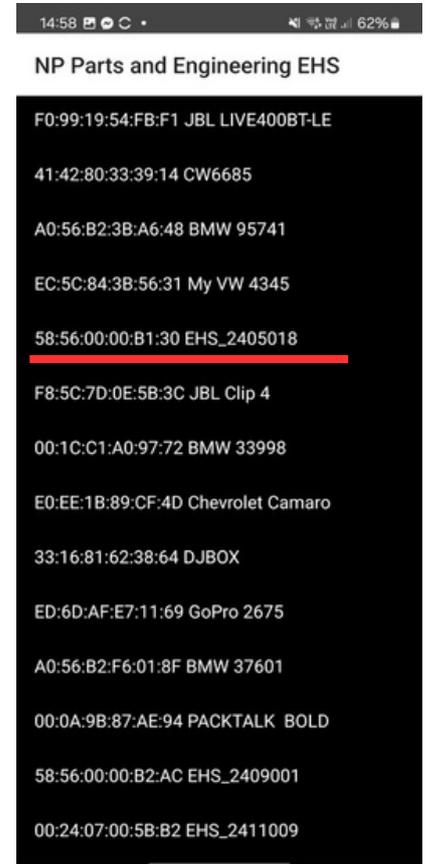
3. Turn on the bluetooth  
Connect to device with the code "1234"



4. Restart the application



5. Open the settings  
5.1 Click on the select bluetooth device



6. Choose the device



# APP CORRECTIONS

Camber and weight correction settings can be accessed with password 7529

Connected

## Settings

KG LBS

Front left camber correction 0 °

Front right camber correction 0 °

Rear left camber correction 0 °

Rear right camber correction 0 °

Front left weight correction 1

Front right weight correction 1

Rear left weight correction 1

Rear right weight correction 1

Save

Password:

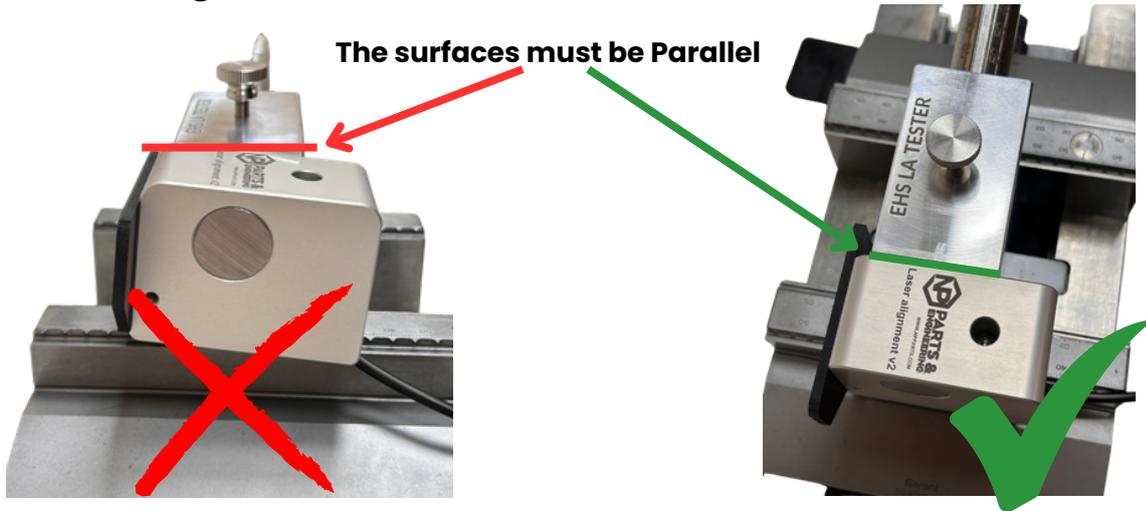
7529 Login

# LASER ALIGNMENT MODULE TESTING

## 1. Place your laser alignment TESTER in a VICE



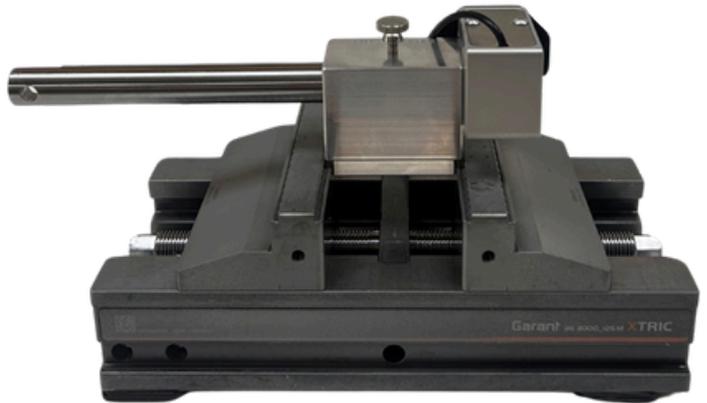
## 2. Insert laser alignment module and make sure the surfaces are parallel!



## 3. Connect the laser alignment module to the battery box and mark the laser line

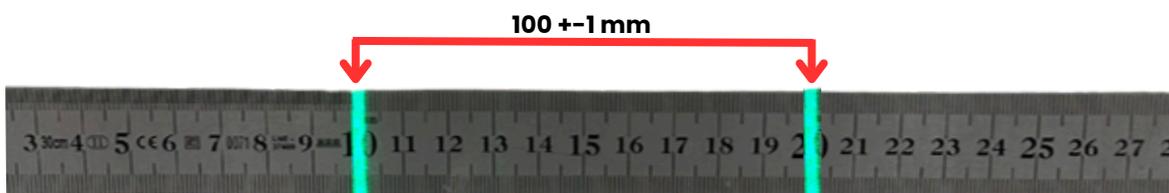


Insert the laser and mark the laser line



Rotate laser module 180 degrees and insert from the other side

## 4. Measure the distance between both laser lines



The gap must be 100 millimeters, otherwise laser alignment modules requires calibration

NOTE: The laser target (In this case a ruler) must be 3 meters away from the laser module while measuring