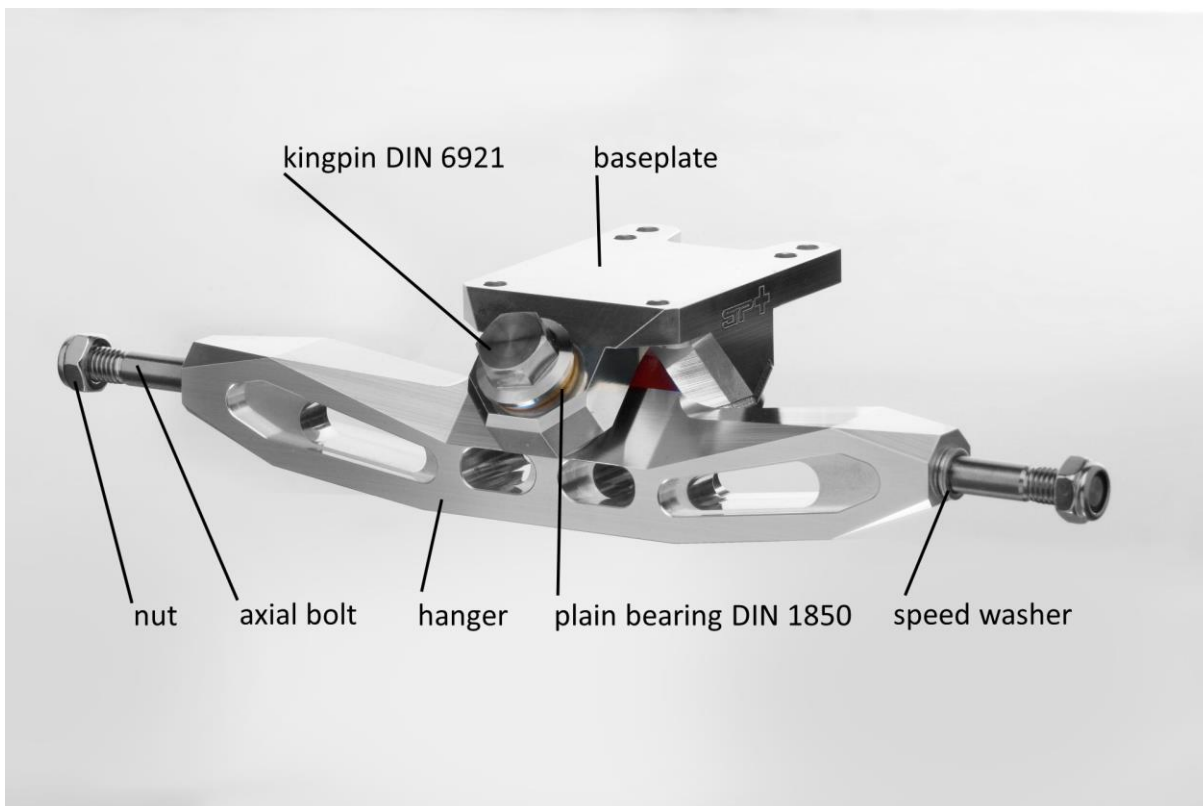
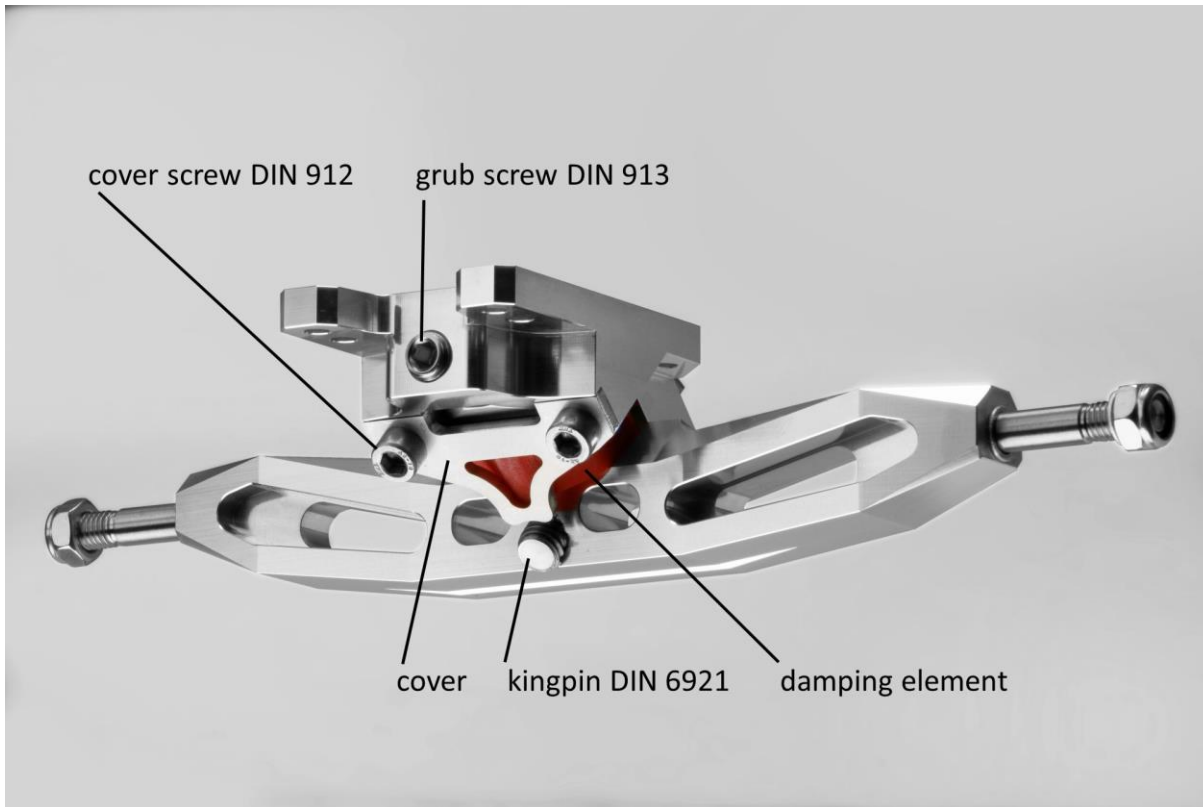
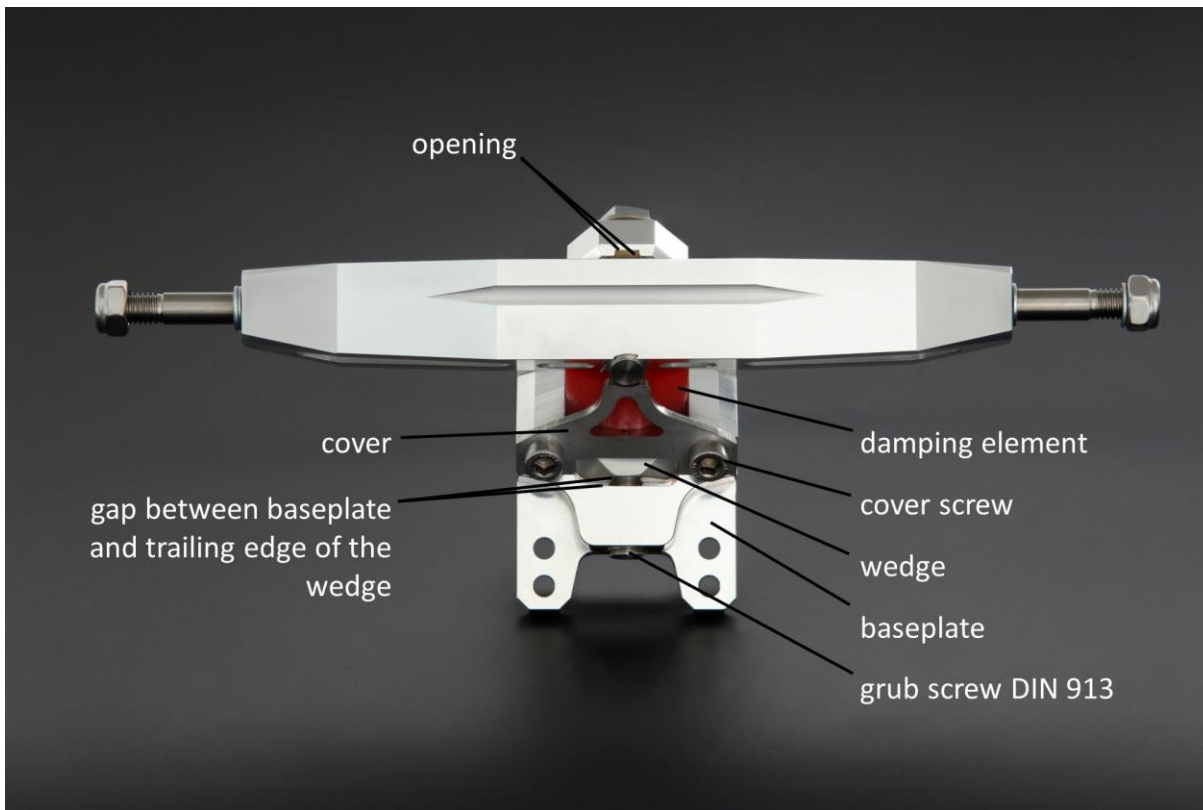


## Assembly instructions for SPTs

Please watch the video (<https://youtu.be/hxAoICl9kA8> or <https://youtu.be/MTDmOoRLdMs>) for a better idea of the individual steps. You can also find the videos on our home page [www.spt.rocks](http://www.spt.rocks) (assembling & operating). The following pictures contain the terms used in the instructions.





### 1. Preparation

When you have unpacked all parts and checked them (for completeness and functionality), please put the plain bearings in a freezer.

Organize an adjustable or, monkey wrench or the like (if you do not have a 15mm and a 5/16 wrench). Furthermore, you will need a few drops of oil for the grub screw (the setscrew for the damping element). If you want to polish the trucks, you will need a cotton rag as well.

Information on using the adhesive for screw locking: The adhesive is the green liquid in the syringe. It is an anaerobic adhesive that hardens in the absence of air. So please always leave some air in the syringe. If the adhesive is too viscous, gentle heating helps a lot to make it a little thinner. Dispensing the adhesive from the syringe with the piston is somewhat difficult. It is easier to fully aspirate the syringe (with additional air), hold the discharge orifice down, and let the Loctite drip out by lightly pressing onto the sidewalls of the syringe.

### 2. Mounting the axial bolts

Apply a drop of the adhesive to the thread of one side of the axial bolts. Then screw the thread of the axial bolt with the adhesive a few turns into the hanger by hand. Afterwards, screw a cap nut onto the other end of the axial bolt. You can use the enclosed wrench to screw the axial bolt into the hanger firmly. For this purpose, it makes sense to fix the hanger. If you do not have a screw clamp, you can simply screw the kingpin into the hanger and press it with your hand on a table. Then repeat the process to screw a second axial bolt into the hanger. Let the cap nuts screwed on the axial bolts until the adhesive has hardened.

### 3. Polishing the hanger

You can polish up the hanger (of course, you can also polish up all other aluminum parts with the paste if you like) with a bit of polishing paste (gray stuff in the syringe). Since you have to wipe off the polishing paste again, using more than necessary is not advisable. A major embellishment of all the outside surfaces of the hanger is quickly achieved.

### 4. Press fitting the plain bearings

The cooled plain bearings can easily be pressed into the baseplates. In order not to tilt a plain bearing, you can place the collar of the plain bearing on a straight, horizontal surface and press down the baseplate to fit the plain bearing into the opening firmly. If the plain bearing has not slipped in completely, it will afterwards when you tighten the kingpin. One plain bearing must be pressed into the opening from each side.

#### 5. Inserting the kingpin

Push the kingpin through both plain bearings so that the thread looks out of the baseplate on the side, where the small opening is located in the baseplate. The opening in question is shown and labeled on the third picture of the assembly instructions.

#### 6. Placing the washer

Now, place a washer on the free plain bearing collar. To do this, slide it over the thread of the kingpin. If one sides of the washer is smoother than the other, this one should face the plain bearing.

#### 7. Inserting the safety pin

After that, push the safety pin made of polyamide through the small hole next to the thread for the kingpin in the hanger. The safety pin should be flush with the surface of the hanger.

#### 8. Mounting the kingpin

Screw the kingpin in the plain bearings into the hanger by hand until you feel resistance.

#### 9. Securing the kingpin with Loctite

To additionally secure the king pin, place a small drop of the adhesive on the thread in the hanger.

#### 10. Tightening the kingpin

Then you tighten the kingpin so that the plain bearings sit flush, the hanger does not wobble, but can still be moved by hand.

#### 11. Inserting the wedge

Place the wedge with the largest surface downwards into the recess of the baseplate. The tip should point towards the hanger.

#### 12. Inserting the shim

Place a rectangular shim on the wedge.

#### 13. Inserting the damping elements

The damping element should slide in easily when the hanger is horizontally aligned.

#### 14. Mounting the cover plates

Afterwards, place a cover plate on the baseplate so that the holes in the cover plate and baseplate align congruently. Then, fasten the cover plate with two cover screws.

#### 15. Inserting the grub screw

Put a small drop of oil on the thread in the hole at the front of the baseplate and screw the grub screw into it.

#### 16. Mounting the trucks on the deck

Now, you can mount the trucks onto the deck with the enclosed bolts and nuts. Please place the riser pads between the trucks and the deck.

#### 17. Mounting the wheels

By now, the adhesive should be hardened so that you can unscrew the cap nuts. After that, you can mount your favorite wheels with speed washers and the supplied self-locking nuts. Please note that the axial bolts have a metric thread. Therefore, please use only M8 nuts. You can use the supplied open-ended wrench for tightening and loosening.

Yippee! Finished!

Well, ok, some grip tape would be nice, too...