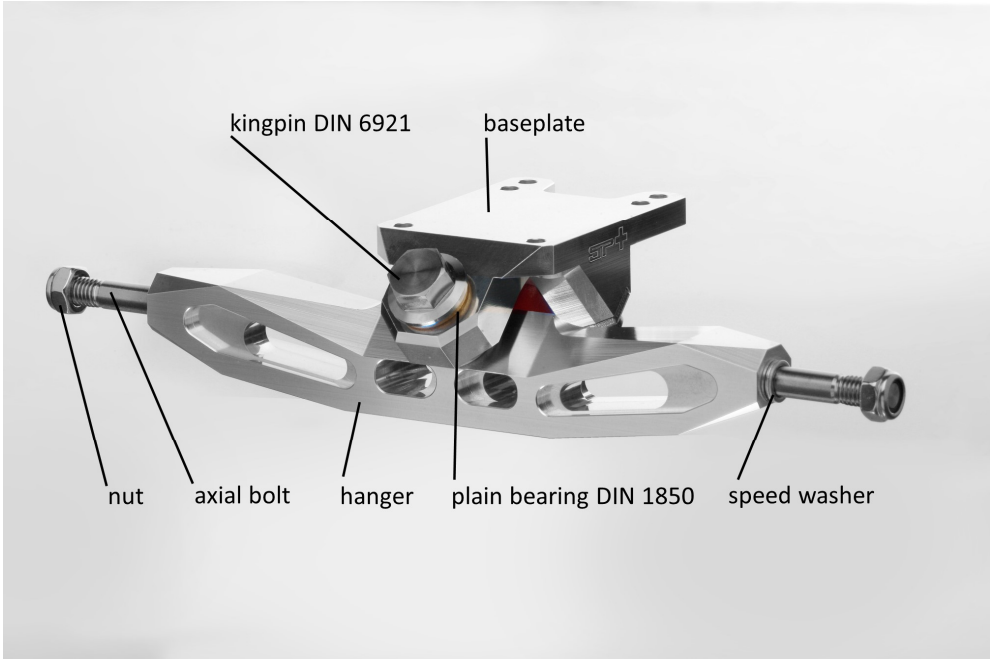


### SPTs Packing List

1 deck 2 riser pads 1 mounting kit 2 trucks per truck: 1 base plate 1 hanger 1 wedge 2 axial bolts 1 cover 1 rectangular stainless steel sheet 1 washer kingpin 1 damping element 1 kingpin – DIN 6921 M10, 50 mm 1 grub screw – DIN 913 M10, 30 mm 2 cover screws – DIN 25 912 M6 2 plain bearings – DIN 1850/3 ISO 2795 1 washer for kingpin 4 speed washers – M8 2 nuts – DIN 985 M8	Spare parts and accessories: 3mm polyamide pin 4 plain bearings – DIN 1850/3 ISO 2795 2 pairs of damping elements yellow 55 Shore A, black 85 Shore A 4 nuts – DIN 985 M8 1 hex key – DIN 911, 5mm 1 single open-ended spanner – DIN 894, 13 mm 1 copper sheet
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### Components of the Truck



SPTs Packing List.....2

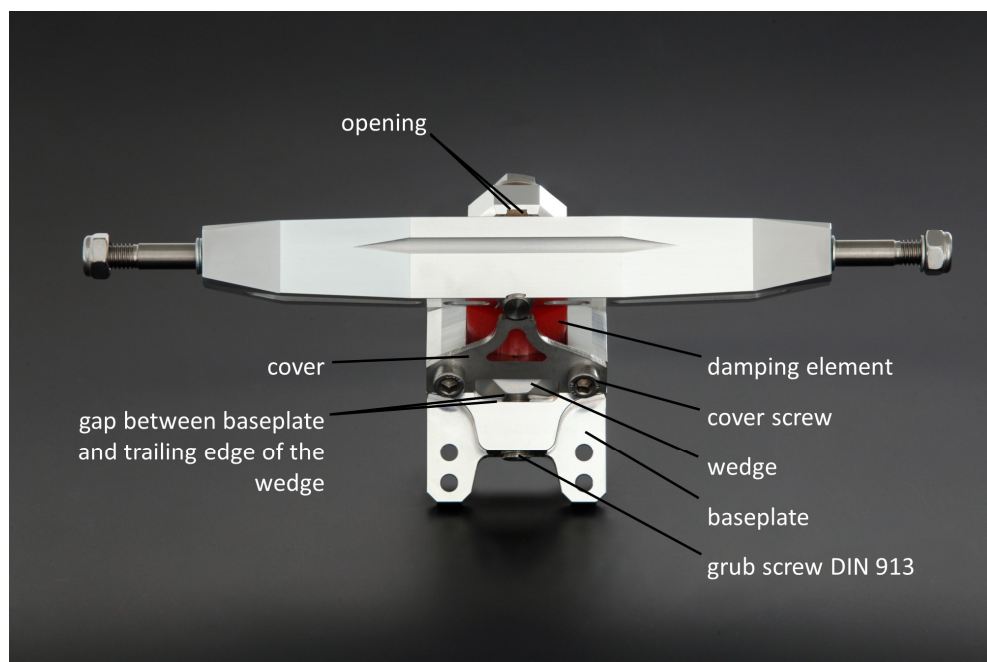
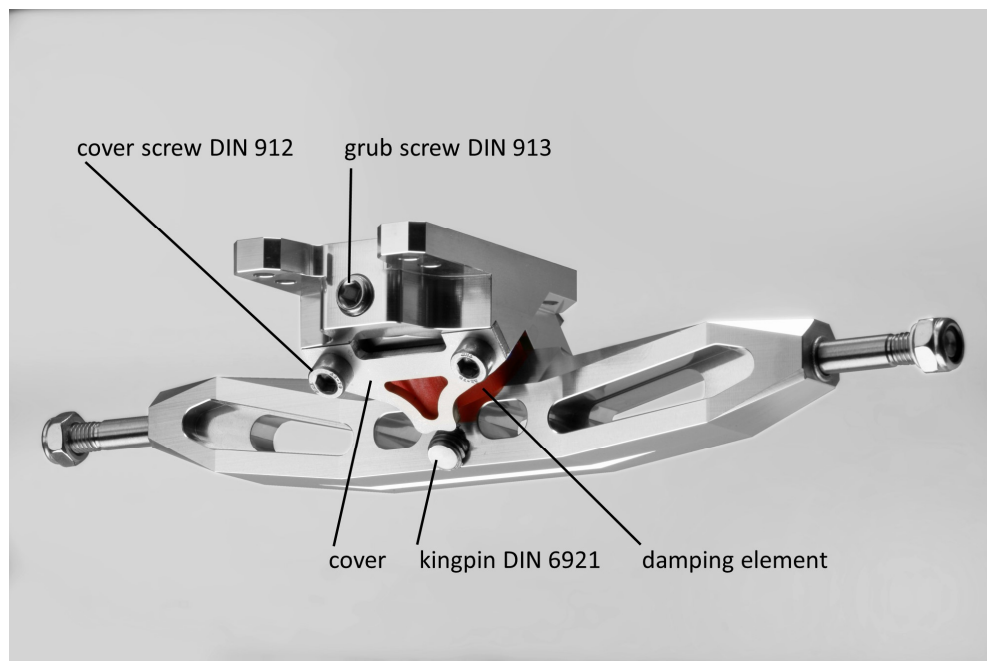
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## SPTs Maintenance and Operating Instructions, Safety Recommendations

Finally, a long-held dream comes true! Thank you for buying SPTs. Up to this point it was a long journey for me. Now it is your turn!

If you have questions about the operation or maintenance of your SPTs, the following information might be of help. On my website ([www.spt.rocks](http://www.spt.rocks)) you can find even more information and videos.

### Operating Instructions

*Setting the damping element:* The damping element can be compressed with the grub screw DIN 913. The grub screw pushes the wedge in the direction of the hanger and compresses the damping element. This requires more force for steering. The gap between the baseplate and trailing edge of the wedge should not be wider than 6 millimeters.

*Changing the damping element:* To change the damping element the grub screw must be unscrewed so far that the damping element is fully relieved. In addition, the cover must be removed. The cover screws DIN 912, which hold the cover, must be completely unscrewed. Subsequently, the damping element can be easily pulled out when the hanger is positioned parallel to the deck. The wedge and damping element should always be stuck between the stainless steel sheet when the truck is operated. The Shore A hardness of the damping elements is: yellow 55, red 70, black 85. The yellow damping elements are suitable for pumping or for very light drivers.

*Change of wheels:* To change the wheels the supplied single open-ended spanner DIN 894 can be used. The axial bolts and the associated nuts are metric. It is recommended placing at least one speed washer between the hanger and bearings.

*Mounting the trucks to the deck:* For the assembly of the trucks to the deck you should use screws, which are so long that they stick completely through the nuts. However, the screws should not be so long that the hanger touches them when turning. To tighten the nuts directly under the hanger, the thin end of the copper sheet can be placed between the nut and baseplate. If it does not fit, it can be made slightly thinner with a hammer. It is advantageous to use a riser pad so the board is additionally damped and that the kingpin DIN 6921 has no contact to the board.

### Service Notes

*Changing the plain bearings:* To remove the plain bearing DIN 1850, the trucks must be removed from the deck and the kingpin must be completely unscrewed from the hanger and pulled out of the baseplate. Then the upper plain bearing can be lifted with a screwdriver in the provided opening and pulled out completely with a pair of pliers. Given that the collar of the plain bearing can easily break, you should be careful while levering. The cover-side plain bearing can then be driven out through the opening. A round piece of wood 14mm in diameter is perfect for this task. For a clearer presentation please watch the video showing the process of changing the plain bearings on my home page ([www.spt.rocks](http://www.spt.rocks)).

The installation of the slide bearing is particularly easy when the plain bearings are cooled (-10 to -20 °C - in a tight plastic bag in the freezer), and the baseplate is heated slightly (in a sealed plastic bag without air if possible in warm water too about 40 °C). In that case, the bearings can be inserted manually.

*Change of screw locking:* Before mounting the hanger the polyamide pin should be exchanged, which acts as screw locking. This polyamide pin can easily be removed with a pair of pliers. Subsequently, a new polyamide pin is inserted as far into the hole as its end is planar with the surface of the hangers, which faces the baseplate. For further securing of the screw, you can use adhesive such as Loctite 2701. You can find videos on my home page ([www.spt.rocks](http://www.spt.rocks)) for changing the thread lock and using the glue as well.

### Safety Recommendations

*Before every ride, the truck should be checked for its functionality:* The kingpin should not have any play (neither in axial nor radial direction). Neither should the wheels have any play. The cover of the damping element should be tightened.

*If the kingpin has axial play:* It should be tightened. The breakaway torque must be so high that the screw does not loosen by turning the hanger. If necessary, the screw locking should be renewed and/or the kingpin be secured with adhesive (see maintenance instructions).

*If the kingpin has radial play:* The plain bearings should be changed (see maintenance instructions).

Finally, I want to mention that it hurts when you fall, and that you can reduce the pain or the length of the hospital stay by suitable protectors.

Now I wish you lots of fun!