SPORTENZIA

USER GUIDE

# 28.6 MM STAR NUT SETTING TOOL

Kit for driving a star nut straight into a 28.6 mm metal fork steerer. Contents, step-by-step fitting, headset adjustment and troubleshooting.

**REF. KIT2** · 28.6 MM STEERER, NOT CARBON · 3 STAR NUTS SUPPLIED



01 · GETTING STARTED

## CONTENTS, PREPARATION, FITTING

### In the box

- The blue guide sleeve, anodised, which sits on top of the steerer.
- The silver drift, whose threaded end takes the nut.
- A separate threaded rod and 3 star nuts. The mallet is not included.

### What the tool does

The star nut wedges inside the steerer and takes the top cap bolt, which is used to adjust headset play. The blue sleeve keeps the drift in line: the nut goes down **straight**, without tilting under the mallet blows.

### Fitting the star nut

1. **Prepare the steerer** cut square, inner edge deburred and clean. Hold the fork upright, ideally out of the frame, crown resting on a wooden block.
2. **Thread the nut** onto the threaded end of the drift, flanges facing the drift, down to the stop without forcing.
3. **Slide the drift** into the blue sleeve: the nut sticks out at the bottom.
4. **Place the assembly** on the steerer, blue sleeve flat on the edge, in line with the tube. Hold the sleeve with one hand.
5. **Strike with the mallet** on top of the drift, with short even taps, keeping it vertical, to the depth you need.
6. **Unscrew the drift** from the nut, remove the tool and check: nut level, thread centred in the steerer.

TOOLS TO HAVE READY

- A rubber or plastic mallet, a file for deburring.
- A hex key and a clean cloth.

### Specifications

| | | | |
|---|---|---|---|
| Steerer | **28.6 mm outer (Aheadset)** | Steerer material | **Aluminium, steel, titanium** |
| Nuts supplied | **3** | Materials | **Aluminium, 304 stainless** |
| Tool length | **About 47 mm** | Weight | **About 106 g** |

SAFETY

- Never fit a star nut in a carbon steerer: its flanges cut into the fibre.
- Wear safety glasses and keep the hand holding the sleeve away from the striking area.
- Before riding, check the headset has no play and the stem is tight. If in any doubt, have a workshop check it.



*The drift and its threaded rods, with hex sockets.*

02 · AFTER FITTING

# ADJUSTMENT, CARE, TROUBLESHOOTING

## Refitting and adjusting the headset

- Refit the fork, spacers and stem. The top of the steerer must sit slightly below the top of the stem or the last spacer: otherwise the top cap rests on the steerer and adjusts nothing.
- Fit the top cap and thread its bolt into the star nut, by hand first, then tighten gradually until the play is gone and the steering still turns freely.
- Align the handlebar, then tighten the stem bolts to the torque given by the stem maker.

## Check after the first few kilometres

Hold the front brake on and rock the bike back and forth, one hand on top of the headset. A knock or slight movement means there is play: repeat the adjustment above.

## If something goes wrong

| SYMPTOM | LIKELY CAUSE | FIX |
|---|---|---|
| Nut will not go in | Inner edge not deburred, steerer of another diameter | Deburr, check the 28.6 mm diameter |
| Nut is crooked | Tool tilted, blows too hard | Push it further down the steerer and fit a new nut |
| Drift will not unscrew | Thread tightened by the blows | If the body turns on its own, unscrew the threaded rod from the nut with a hex key |
| Top cap bolt will not bite | Nut too deep or thread damaged | Check the depth, thread it in straight by hand |
| Top cap touches the steerer | Steerer too high | Add a spacer above the stem |
| Play in the headset | Top cap bolt too loose | Loosen the stem, retighten the cap, retighten the stem |



*Blue sleeve on the steerer, mallet striking the drift.*

GOOD TO KNOW

- Strike the drift, never the blue sleeve or the steerer itself.
- A fitted star nut cannot be removed: it is pushed further down instead.
- Keep the remaining nuts as spares, for another fork or a fitting to redo.

## Caring for the tool

- After use, wipe the tool and store it dry.
- Check the drift thread before each fitting: a crushed thread damages the nut.

A nut fitted straight means a headset that adjusts without a fight.

## Need help?

**sportenzia.com/pages/contact**

Our team answers your questions about fitting and adjustment.