SPORTENZIA

USER GUIDE

TOOPRE 1 1/8" COMPRESSION PLUG

An expander that locks inside the fork steerer and gives the top cap something to pull against when setting headset preload, with no star nut. Fitting, preload, care and troubleshooting.

REF. VELBOCOMPSILV · 1 1/8" STEERER, EXPANDS 22.2 TO 25.4 MM · ALUMINIUM AND 304 STAINLESS STEEL



01 · GETTING STARTED

CONTENTS, COMPATIBILITY, FITTING

In the box

- The compression plug, supplied assembled: 304 stainless steel expansion bolt, expansion sleeve, top cap and base spacer in aluminium.
- The sleeve is split and held by a ring spring: it spreads against the steerer as the bolt is tightened.
- You will need 5, 6 and 8 mm Allen keys.

Compatibility

1 1/8" (28.6 mm) headsets: road, gravel, MTB, hybrid, cyclocross. The steerer, carbon or aluminium, must have an inner diameter of 22.2 to 25.4 mm. On a carbon steerer, this plug replaces the star nut, which must never be driven into it.

Fitting

1. **Check the steerer height** with stem and spacers in place: the top of the steerer should sit about 3 mm below the top of the stem.
2. **Clean the steerer** inside: clean and dry, free of grease and debris.
3. **Grease lightly** the bolt thread and metal parts, never the outside of the sleeve, which must grip the steerer.
4. **Insert the plug** straight into the steerer, by hand, without hammering.
5. **Tighten the expansion bolt** with a 6 mm Allen key, to the torque set by the fork maker: the plug must no longer turn.
6. **Set the preload** stem bolts loose, fit the headset top cap and turn its bolt into the centre of the plug (5 mm key) until the play is gone. Align the stem, tighten its bolts to its maker's figures.

Specifications

Standard	**1 1/8" (28.6 mm)**	Steerer	**Carbon or aluminium**
Expansion	**22.2 to 25.4 mm**	Materials	**Aluminium, 304 stainless**
Keys	**Allen 5, 6 and 8 mm**	Bolt	**Ø 10 × 36.5 mm**
Sleeve	**Ø 21.6 × 30 mm**	Top cap	**Ø 20 × 10 mm**
Base spacer	**Ø 30 × 15 mm**	Colour	**Silver**

STEERING AND STEERER

- Your steering holds the bike together: if in any doubt about a torque, have a workshop fit it.
- Carbon steerer: follow the fork and stem makers' torques, with a torque wrench. Overtightened, carbon cracks.
- Before riding, front wheel held between your knees, twist the bar: nothing must move. Check again after the first ride.

02 · DAY TO DAY

ADJUSTMENT, CARE, TROUBLESHOOTING

What does what

Expansion bolt (6 mm)	Spreads the sleeve and locks the plug in the steerer.
Top cap bolt (5 mm)	Sets headset preload. It does not hold anything in place.
Stem bolts	Lock the stem to the steerer. Loose while setting preload, tightened afterwards.



The expansion sleeve, several shells held by a spring, spreads as the bolt is tightened.

Checking for play

- Front brake on, rock the bike back and forth: no knocking at the headset.
- Front wheel lifted, the bar must turn from stop to stop with no tight spot or notch.
- Play left: loosen the stem bolts, tighten the top cap bolt a little, then retighten the stem.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Play in the headset	Top cap too loose, or steerer too high	Tighten the top cap with stem bolts loose; check the 3 mm below the stem
Stiff steering	Top cap too tight	Ease the top cap slightly, then retighten the stem
Plug spins when tightening	Greasy steerer, or diameter out of range	Clean, measure the steerer inner diameter
Stem moves	Stem bolts not tight enough	Tighten them to the stem torque

Care and removal

- Check for play regularly and after any impact.
- To remove, take off the top cap, undo the 6 mm bolt a few turns: the spring closes the sleeve. Clean and regrease the thread before refitting.

DO NOT

- Drive a star nut into a carbon steerer.
- Tighten the top cap bolt to lock the steering: the stem bolts do that job.
- Grease the outside of the sleeve.
- Ride without a top cap or with loose stem bolts.

Need help?

sportenzia.com/pages/contact

Our team answers your questions about fitting and adjustment.