

Tungsten-Hybrid Recoil Spring Guide Rod with Aluminium Recoil Spring Bushing (PN 01.103) for

o CZ Tactical Sports Orange (9x19)

Thank you for choosing a high-quality **TECTAL** product!

The *Tungsten-Hybrid Recoil Spring Guide Rod with Aluminium Recoil Spring Bushing* has been 100% engineered and “Made in Austria” to replace the standard guide rod and plastic sleeve, offering the following benefits:

- ✓ dampening of muzzle rise by 7%* – improves sight picture and decreases movement of the pistol for precise and quick follow-up shots
- ✓ increased wear and temperature resistance
- ✓ easy assembly and disassembly of the gun – considerably reducing the risk of damage to the pistol as may happen with the original plastic bushing due to its imprecise and very tight fit requiring the use of (substitute) tools



Supplied Parts PN 01.103:

- 1 pc. *TECTAL Tungsten-Hybrid Recoil Spring Guide Rod (2 parts)*
- 1 pc. *TECTAL Aluminium Recoil Spring Bushing for the Tungsten-Hybrid Recoil Spring Guide Rod*

The following references to and only supplements the OEM manual.

Especially note all the handling and safety instructions contained therein which apply regardless!



CZ refers to these parts in their manual as

- “No. 42 – Recoil Spring Guide Rod”

- “No. 72 – Sleeve”

INSTALLATION

- 1. Before maintaining or working on any firearm always ensure that it is unloaded and safe!**

While pointing the firearm in a safe direction remove any magazine from the firearm and ascertain it is unloaded by locking the slide to the rear and visually inspecting the chamber before working on or cleaning it! If loaded follow the proper procedures to unload the firearm safely!



Firearms Safety is your responsibility!

2. For disassembly and reassembly of the pistol follow the CZ instruction manual, chapter „Maintenance Instructions”. At this stage the original plastic bushing („No. 72 – Sleeve“) is replaced by installing the *Aluminium Recoil Spring Bushing for the Tungsten-Hybrid Recoil Spring Guide Rod* and the original recoil spring guide rod (“Nr. 42”) is replaced by the *Tungsten-Hybrid Recoil Spring Guide Rod* while observing the following important note (p. 3 to 6).

IMPORTANT NOTES FOR INSTALLATION and MAINTENANCE

- It is strongly recommended to lightly coat the bushing and guide rod with a suitable gun oil during initial installation and every subsequent maintenance cycle to minimise friction and wear between bushing, guide rod and recoil spring!

For maintenance it is sufficient to wipe the *Aluminium Recoil Spring Bushing* and the *Tungsten-Hybrid Recoil Spring Guide Rod* clean and to re-lubricate them. It is neither necessary nor recommended to use aggressive solvents or abrasive tools for cleaning.

Tungsten-Hybrid Recoil Spring Guide Rod

The *Tungsten-Hybrid Recoil Spring Guide Rod* is a two-piece, full length guide rod assembly in order to optimize mass and mass distribution.

For installation the following steps and notes shall be observed:

- a. Install the rear part together with the recoil spring into the slide



If recoil springs are used which have a smaller diameter on one end then this end with the smaller diameter **MUST** be located on the flanged side of the recoil spring guide rod away from the muzzle i.e. underneath the chamber.

- b. Install the front part by inserting it through the installed *Aluminium Recoil Spring Bushing* and threading it into the rear part.



The front and rear part must not be threaded together off-centre or canted to avoid undue damage to the threads.



c. Recommended tightening torque 3 Nm



Design related a small gap will remain between the front and rear part of the *Tungsten-Hybrid Recoil Spring Guide Rod*. The recommended tightening torque of 3 Nm shall not be exceeded in an effort to close this gap. The gap is no defect and has no bearing on the proper function.

d. Use of suitable tools

- Quality 9mm open wrench to retain the rear part of the guide rod
- Flat, hollow-ground screw driver tip, 2mm thick and max. 6mm wide to tighten and loosen the front part of the guide rod



- Torque wrench
- The transverse hole at the muzzle end of the *Tungsten-Hybrid Recoil Spring Guide Rod* has a diameter of 2mm. It may be used as a makeshift, field expedient way only to separate the guide rod with a suitable mandrel.





Excessive and repeated force in this area is not recommend to avoid damage to the guide rod.

Aluminium Recoil Spring Bushing for the Tungsten-Hybrid Recoil Spring Guide Rod

- By design the *Aluminium Recoil Spring Bushing* has little to no play when installed to ease mounting and dismounting. A little play may result from the variances in the execution of the bushing bore in individual pistols. This is not a defect of the bushing and has no bearing on the proper function.



 The spring element **shall NOT** be removed. Removal will lead to damage to the spring element and the bushing!

 The *Aluminium Recoil Spring Bushing for the Tungsten-Hybrid Recoil Spring Guide Rod* is easily recognizable by the recessed opening on the muzzle side and the lasered part number PN 01.103. Due to different diameters it is **NOT** suitable for use with standard CZ – recoil spring guide rods!



In case of any questions please contact us at

office@tectal.at

© 2018 TECTAL GmbH

www.tectal.at

A-4431 Haidershofen, Austria

This manual or parts thereof may not be used, reproduced or published without express written permission of TECTAL GmbH.