

## Shuriken Oversize Pulley

### FAQ

Q: Why do I need an oversize pulley system?

**A: Shuriken oversized pulley system improves the drivetrain efficiency regardless of speed, power and riding condition.**

Q: What's the main feature of the TOKEN Shuriken Oversize Pulley?

**A: Token Shuriken oversized pulley system is designed for maximum performance without no compromise.**

- **Specially-developed grease filled TBT ceramic bearings for durability and low friction.**
- **Function-specified tooth profile for quick shifting of the top pulley, and super-smooth running of the bottom pulley.**
- **PVD (physical vapor deposition) coated pulleys for long-lasting low friction and aesthetics.**
- **Three B knuckle spring attaching holes for a wide range of chain tension adjustment.**

Q: Can I install it by myself? And if so, how?

**A: The Shuriken pulley system can be installed by any experienced mechanic. Be sure to use high quality tool – such as T15 (torx) tool for Shimano versions.**

Q: Do I need to change the chain when installing the oversize pulley?

**A: Although it needs two extra chain links on average, we recommend keeping the original chain length first. Once the pulley is installed try all gears carefully and see if it is needed to add extra chain links or use a completely new chain.**

Q: Why some of TOKEN Shuriken models have largest pulleys in the market, while others don't?

**A: We all know that a bigger pulley has lower drag as it spins slower. However, the top pulley has structural limit. Derailleur design varies – the largest top pulley that each derailleur can accommodate are different, and it's not worthy to trade off shifting performance for that marginal gain. Pulley size is just one of the factors – bearing technology, pulley tooth profile and surface treatment all matters. All Shuriken models are designed not only for efficiency, but also for best shifting performance and easy adjustment.**

Q: Most of the alloy pulleys are noisy. How does TOKEN overcome the noise issue?

**A: Chain noise comes from the bottom pulley most of the time as the chain enters it at various angles. The 19T bottom pulley of Shuriken is designed for super smooth running and is as quiet as a plastic pulley.**

Q: Would it affect the shifting performance?

**A: No. With little adjustment the Shuriken oversized pulley system shifts perfectly**

**every time.**

Q: How should I maintain the Shuriken Oversize Pulley?

**A: We recommend disassembling the Shuriken oversized pulley system, opening the seal and regreasing the bearings every 2,000km. The maintenance interval should be shorter when riding in rainy or muddy conditions frequently.**

Q: Does the Shimano versions of Shuriken oversize pulley system (such as TK1729S and TK1729R7) compatible with Shimano older generation derailleurs?

**A: No. Current Shimano road derailleurs are structurally different from older generations, and the derailleur cage is not interchangeable.**

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