



**Kuzma Stogi REF 313 VTA Tonearm**

# The Stogi REF 313 VTA Tonearm

## This is a rigid ball bearing 12 inch medium

mass tonearm with fully adjustable VTA tower, detachable headshell fitting and mounting on standard 9 inch position. The Stogi Ref 313 VTA tonearm shares the main features of Stogi Ref and 4 Point tonearm, i.e. precision ball bearings, a conical tube and unique VTA tower. The conical tube is internally damped and divided into two parts, which, while further aiding damping, also allow for easy azimuth adjustment. The vertical bearings have a highly damped brass housing which, while withstanding very heavy loads, displays extreme low starting and running friction and noise levels. All bearings are preloaded and glued into position which, while damping vibrations also makes them long lasting with zero play and low friction. The main frame and all other parts are machined from solid aluminium blocks. Some parts are anodised and some are not, in order to help control tonearm resonance. The headshell provides a stable base for cartridge mounting, while the internally damped tube connects this to massive bearing parts where any vibration or noise is dispersed. A feature of the tonearm is a unique detachable headshell. The electrical connection is via standard pins but the headshell can be simply removed by unscrewing with an Allen key. The headshell is fixed with a hexagonal locking system, giving the same rigidity as with a fixed headshell.

A special mechanism, using a simple Allen key, allows the tube to be rotated back and forth in minimal increments with no air gap, for precision azimuth adjustment. A marker line clearly shows the azimuth position and facilitates use, while allowing for repeated adjustments. A decoupled brass counterweight controls balance and enables the adjustment of tracking force, while damping vibrations in the tube.

The whole construction is mounted on a rigid VTA tower which allows VTA (vertical tracking angle) adjustment while playing, without any loss of rigidity, yet with up to 0.01 mm of precision with zero play and repeatability. Wiring from cartridge pins to RCA or XLR connectors are of single fixed lengths.

Only high quality Kuzma- approved wires are used in the arm.



### Technical data:

<b>Effective length:</b>	313 mm
<b>Mounting distance:</b>	212 mm
<b>Distance from spindle to hor. bearing:</b>	300 mm
<b>Offset angle:</b>	17.37°
<b>Effective mass:</b>	13 g
<b>Bearings:</b>	precise ball bearings
<b>VTA adjustment:</b>	yes
<b>Bias adjustment:</b>	yes
<b>Azimuth adjustment:</b>	yes
<b>Arm mount:</b>	Kuzma
<b>Mass:</b>	1785 g (+ armbase 220 g)



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