

KDE DIRECT 550/600 SERIES XT MAIN ROTOR HEAD SYSTEM

The new 550/600 Series XT Main Rotor Head System provides the most innovative and highly-engineered control mechanics to instill confidence in any flying style. Every detail was scrutinized and continually reviewed to provide the ultimate system for Flybarless flight control, without fear of the common failure modes (boom strikes, bolt shear, misalignment, etc.) that plagues other competitive offerings in the market.

STRENGTHENED HOUSING DESIGN

Geometry has been increased in key areas for significantly raised strength and stiffness characteristics in flight, without additional weight or undue material.

OPTIMIZED MAIN ROTOR GRIP ARMS

Arms extended further from the main shaft and optimized to the mounting location for perfect flight mechanic alignment and increased servo resolution (resulting in significantly improved Flybarless control). In addition, custom Grade 12.9 M3 Socket Head Collar Screw and Locknut design used to prevent chances of bolt shear, loosening, or other detrimental failures.

INNOVATIVE CLAMPING MECHANISM

Design includes a M3 clamping mechanism for a rock-solid lock of the housing to the main shaft. This key design aspect provides unprecedented accuracy and crisp feel (no rocking/bobbing effects) for all types of flying styles.

ROBUST MAIN GRIP CONTROL LINKS

FEA-optimized design provides unprecedented strength and light-weight characteristics for accurate pitch control.

VERSATILE AND SLOP-FREE CONNECTION

Ball links are securely fastened with an innovative M3 Socket Head Set Screw and M3 Locknut design; providing a robust and slop-free hold with the unique ability for easy adjustment and fine-pitch control.



OPTIMIZED MAIN ROTOR HEAD SYSTEM

The entire Main Rotor Head System is optimized for center-of-gravity alignment to the tail boom axis (for true, on-point rolls) and further prevention of boom-strikes on Electric and Nitro models. This was achieved by increasing stiffness in critical areas of the design.