C-130 Flap Drive Jackscrew

Original equipment C-130 Flap Drive components were designed in the 1950’s for operation in aggressive environments.

There was a need for an updated solution that would increase service life and reduce maintenance costs. On May 4, 2011 the USAF approved the Flap Drive Jackscrew as a qualified replacement for Original Equipment.

Critical Issues:

» As assemblies wear, expanded clearances allow for grit particles to mix with lubricant, increased vibration, loss of grease and potential separation of flap assemblies from the aircraft.

» Failure modes on original equipment include: Excessive wear of ball nut, re-circulating bearing balls and jackcrew.

Features and Benefits:

» Qualification units ran > 3x required life simulated cycles w. only .001” lash increase
» Improved materials & corrosion resistance
» High wear resistance
» Enhanced rolling fatigue life
» Improved seals for better grease retention
» Dramatically improved service life
» Drop in replacement for original equipment
» Reduced cost of ownership
» Replacements allowed one at a time, mixing with original equipment in any combination

Individual replacement or fleet retrofit programs available
We maintain stock of Meggitt Thomson USAF Qualified flap drive jackscrews

3 YEAR OEM WARRANTY

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