



C-130 Wing Flap Actuators

Manufactured by.....



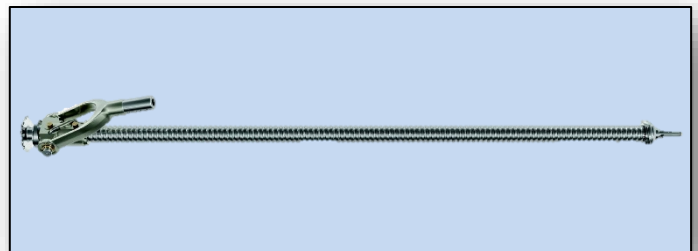
UMBRAGROUP

Blue Aerospace is the exclusive distribution partner of Umbra Group (Linear Motion subsidiary) for a new generation of longer lasting, low maintenance C-130 inboard and outboard wing flap actuators.

Umbra actuators are both Lockheed and USAF qualified, fully interchangeable and superior to the legacy design at a cost similar to a single overhaul.

Outboard PN: 7902600
Outboard NSN: 1680-01-222-2551

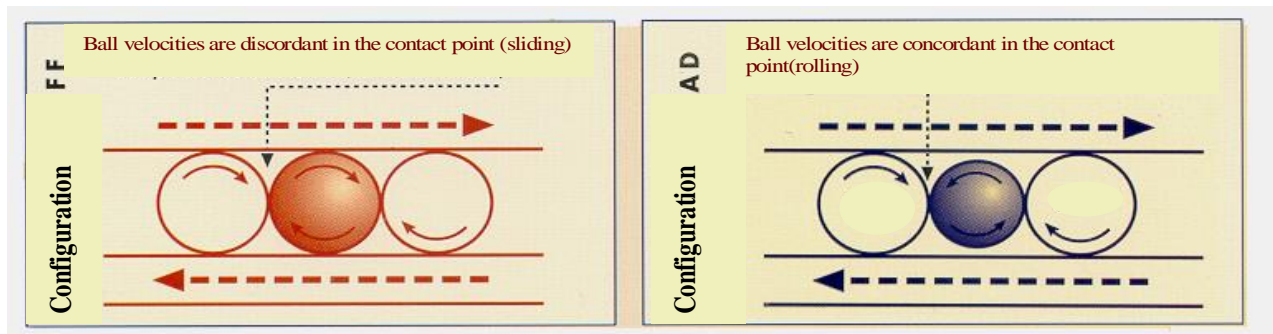
Inboard PN: 7902601
Inboard NSN: 1680-01-217-5837



Umbradvantages:

- ✓ Over 40 years experience in design & manufacture of ballscrew assemblies
- ✓ High Nitrogen Stainless Steel Construction eliminates chrome plating issues
- ✓ Enhanced raceway rolling fatigue life and static load capacity
- ✓ Improved core properties enhance structural integrity via better ductility
- ✓ Low Friction ceramic ball configuration (see below)
- ✓ Better corrosion resistance via enhanced chromium & nickel composition
- ✓ Better wear and abrasion resistance via higher hardness levels
- ✓ Improved wiper system for better lube retention and lower contamination
- ✓ **NO SCHEDULED MAINTENANCE** – grease lubricated for life (“fit and forget”)

Improved Ballscrew Architecture = Longer Life



Legacy System Design

Umbradv System Design

Cross Reference Table

NSN	LINEAR MOTION P/N	DESCRIPTION	POSITION	ALTERNATE P/N	NHA
1680-01-222-2551	7902600	Screw Assy	Outboard	4344D1-3	4344EA-3 / 8446M1
1680-01-217-5837	7902601	Screw Assy	Inboard	4344D1-4	4344EA-4 / 8445M1

