

ELECTRIC PARENT RACK: BRU-81/A AND BRU-82/A

Combat-ready electric release single carriage system for diverse aircraft platforms

The L3Harris BRU-81/A is a 14-/30-inch electrically actuated gravity release rack.

The L3Harris BRU-82/A is a 14-inch electrically actuated gravity release rack.

The BRU-81/A and -82/A provides operators with ease of loading via independent, self-latching hooks and semi-automatic swaybraces. Electric operation eliminates the need for pyrotechnic impulse cartridges and a platform pneumatic power source.

SPECIFICATIONS	BRU-81/A	BRU-82/A
Weight	68 lbs	28 lbs
Dimensions	36 L x 6 H x 3 W in (at mounting)	28 L x 5 H x 2 W in (at mounting)
Ejection Method	Electric – Gravity Release	Electric – Gravity Release
Store Class (MIL-STD-8591)	500, 1,000, 2,000, 5,000 lbs	250, 500, 1,000 lbs
Store Diameter Range	8 to 32 in	6 to 20 in



BRU-81/A



BRU-82/A



BENEFITS

- > Electrical actuation eliminates the need for pyrotechnic impulse cartridge maintenance and pneumatic power source logistics, reducing handling requirements and simplifying support equipment
- > Semi-automatic swaybracing ensures secure store retention, supporting efficient operation and aircraft turnaround time
- > Mechanical and zero retention force electromechanical arming units support a wide range of munitions, enabling versatile munition compatibility
- > Equipped with a reversible in-flight lock, enabling operational flexibility and high level of safety during all phases of flight
- > Operable from both sides, simplifying platform integration and improving loader accessibility
- > Fully compliant with MIL-STD-2088 for single store BRUs, ensuring adherence to established design and safety requirements

Electric Parent Rack: BRU-81/A and BRU-82/A

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