



# ADEN 30 mm Cannon

Mk 4, Mk 5 and Mk 6



## DESCRIPTION

The ADEN 30 mm gun is a gas operated, electrically primed revolver type cannon, perfected as a result of continued product improvement activity since its conception in the early 1950's.

The compact nature of the self-powered cannon makes it an attractive option for relatively simple on-aircraft installation, whether considered for fitting in an under riding body pod, under fuselage blister or built into the main body.

Mounting of the gun is possible at any angle through 360 degrees on the longitudinal axis to suit the specific aircraft installation requirement. Both left and right hand feed versions are available.

AEI manufactures the complete ADEN 30 mm gun and conducts proof and acceptance testing.



## PRODUCT SUPPORT

AEI offers its customers full logistical, technical and spares support. The expertise within the company enables AEI to offer the highest level of product support essential for the efficient and effective operational role demanded of the equipment. This includes every aspect of the gun and its interfacing equipment and gauges from technical queries and advice to gun refurbishment. In the latter case each component is critically examined and, where necessary, replaced by new components prior to rebuild, proof and test firing, as required. Refurbishment is carried out in accordance with BAE Systems approved specifications and is offered as a service to our customers worldwide.

AEI's high inventory levels of shelf spares and a computerised information system guarantee fast order processing (including an AOG service and a minimum turnaround time. Which combine to give AEI a justifiable reputation for customer service and satisfaction.

## SUPPORT EQUIPMENT

AEI offers the full range of tools, gauges and support equipment which are generally available from stock.



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## REFURBISHMENT & SERVICING

Customers complete guns or components are refurbished/rebuilt/serviced in AEI's modern plant incorporating the latest sophisticated techniques. All machining and fabrication is carried out to the highest standard in accordance with our BS EN ISO 9001:2008 approval. All weapons/components undergoing refurbishment are put through the following procedures:-

- Degrease and strip down.
- Examination—gauging—component replacement, de-burring—sandblast and de-coppering of barrels.
- Protective treatment—chrome plating gas cylinders and phosphating (rust prevention) in accordance with the storedrawing/specification requirement.
- Assembly and Testing. The gun is reassembled under the stringent conditions, regauged and hand functioned prior to test firing and, if necessary, re-proof. AEI holds substantial stocks of 30 mm Aden TP and proof (overpressure) rounds.

## ADEN 30 mm Mk 4, Mk5 & Mk 6

Calibre:	30 mm.
Total weight:	87 kg.
Total weight (200 rounds) :	200 kg.
Overall length:	1590 mm.
Barrel length:	1080 mm.
Barrel weight:	12.25 kg.
Rifling:	progressive RH parabolic twist, 16 grooves.
Rate of fire:	1200—1400 spm.
Muzzle velocity:	790 m/s.
Recoil load:	31.4 kN.
Cocking System:	Pneumatic.
Firing System:	Electrical 26 volts DC.

## AMMUNITION

HE	High Explosive
AP	Armour Piercing
TP	Target practice

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