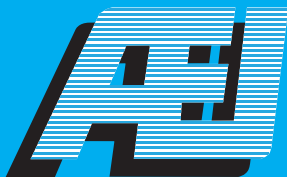


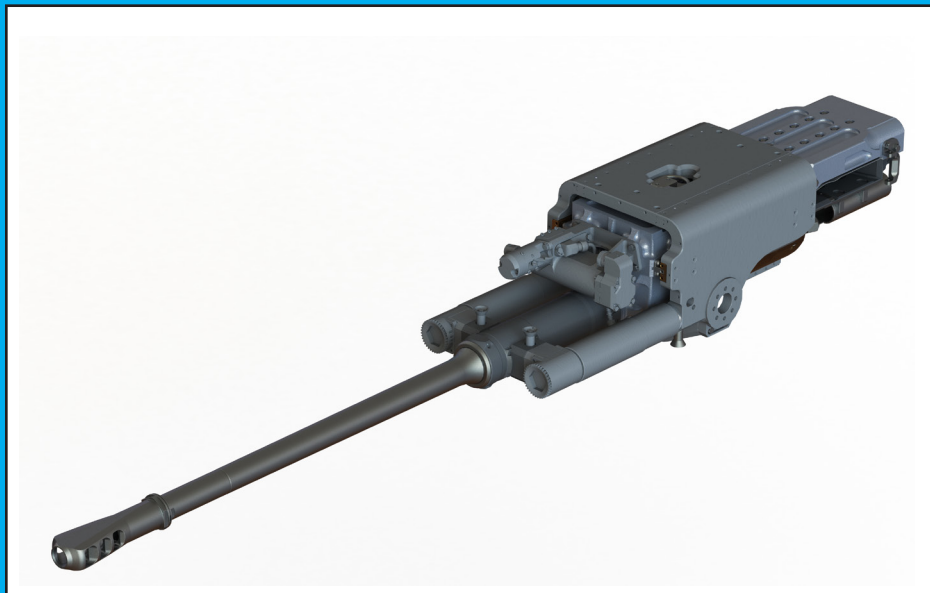


VENOM LR

AEI SYSTEMS



VENOM LR



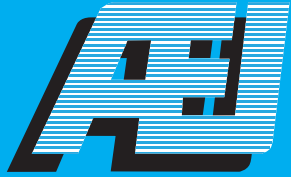
SPECIFICATION

- Calibre – 30 x 113 mm (ADEN, DEFA & M230 ammunition compatible)
- Muzzle velocity – 765 – 805 m/s
- Rate of fire – Single shot
220 – 230 shots per minute (spm)
1,100 – 1,300 spm
- Range – 2,000 m effective (RWS FCS dependent)
3,000 m max
- Recoil force – 9 kN max
7 kN mean
- Weapon firing – 24 – 28 V DC
1 A max
- Remote cocking – Electromechanical
24 – 28 V DC, 1.5 – 10 A (15 A spike, < 5 s)
Full cocking cycle; 50 s max
Partial cocking/safeing cycle; 40 s
Arm gun (after partial cocking); 10 s
- Manual cocking – Electromechanical & mechanical
- Gun safeing – Partial remote cocking
- Gun (less barrel) – 92 kg
- Barrel assembly – 16 kg
- Buffer cradle – 14 kg
- Total – 122 kg
- Overall length – 2044 mm
- Width – 315 mm (adjustable to suit RWS interface)
- Height – 310 mm

AMMUNITION

30 x 113 mm (electric primer)

- TP Target practice
- TPT Target practice tracer
- HEI High explosive incendiary
- HEIT High explosive incendiary tracer
- HEDP High explosive dual purpose
- AP Armour piercing
- AP-T Armour piercing tracer



VENOM LR

DESCRIPTION

VENOM LR (Low Recoil) is a 'ground up' complete redesign of the ADEN 30 mm Gun; a gas operated, electrically primed, self-loading revolver weapon.

VENOM LR is designed for Remote Weapon Station (RWS) integration where reduced firing forces permit installation to Light Reconnaissance Vehicles (LRVs) and fast patrol vessels.

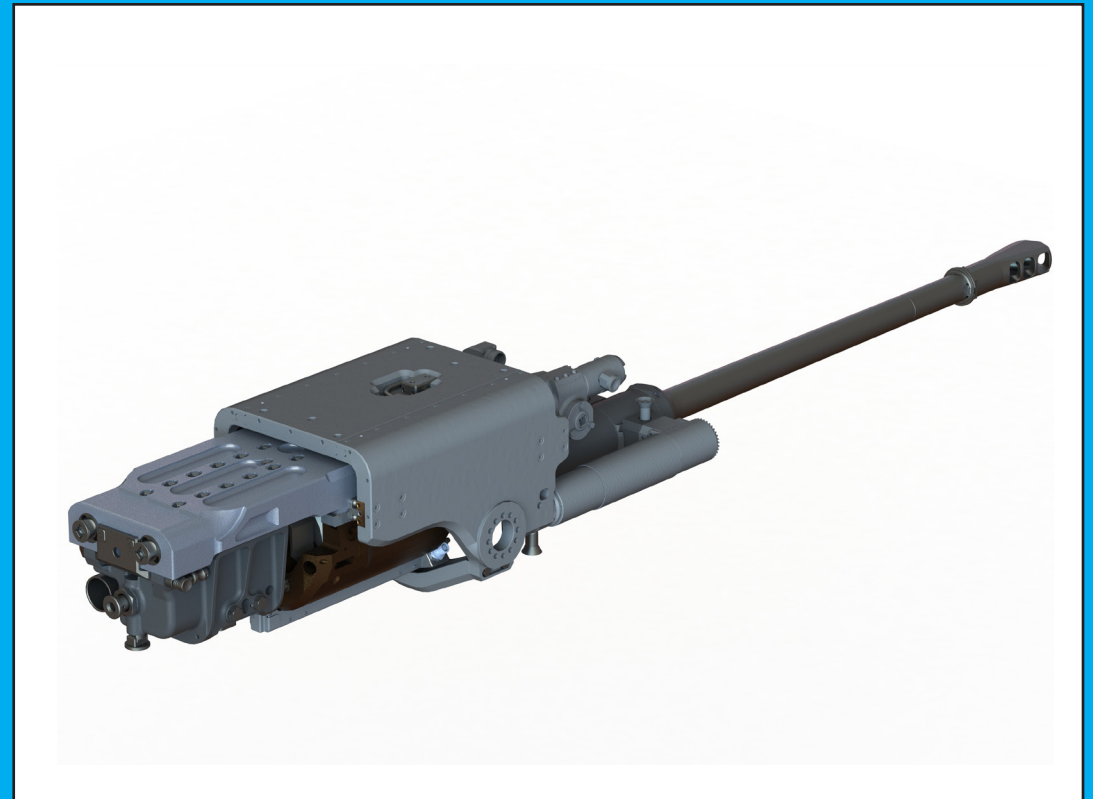
The gun is shrouded by a buffer cradle that interfaces directly to the RWS gimbal elevation driveshaft and yoke arm. The gun recoils in the buffer cradle via two recoil buffers, attached to the gun and buffer cradle with quick release pins for quick gun removal/installation.

The lengthened barrel, with optimised progressive parabolic rifling, improves accuracy and the muzzle brake assists with reduction of recoil force.

With a 2,000 m effective range, single shot, 225 & 1,200 spm firing modes, motorised remote cocking with gun safeing/arming, remote gun loaded, rounds fired and rate of fire indicators, VENOM LR is a highly price competitive, non-ITAR alternative to the M230LF Chain Gun.

The vast majority of VENOM LR parts are marinised with all lock-wiring removed. Maintenance is simplified utilising a standard metric tool kit with corresponding reduction in maintenance cycle times.

VENOM LR is production ready, designed and manufactured in the UK by AEI Systems to aircraft standard quality and precision.



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