

AE20-NM-2

NAVAL MOUNT

AEI - HS804 20 mm GUN

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AEI SYSTEMS



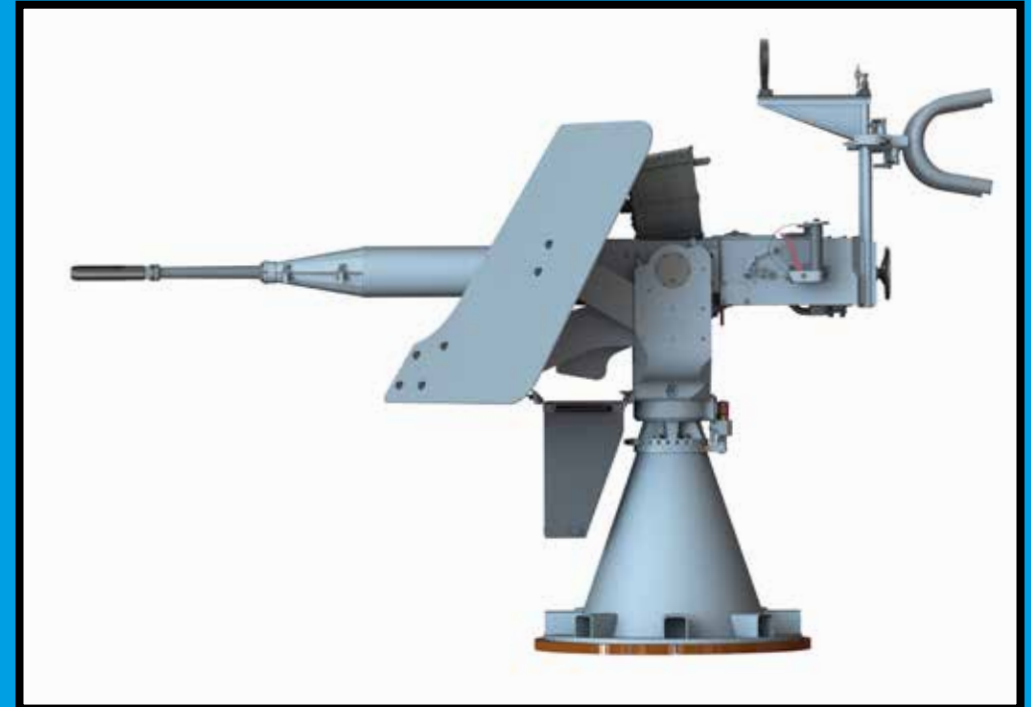
# AE20-NM-2

## 20 mm Naval Mount



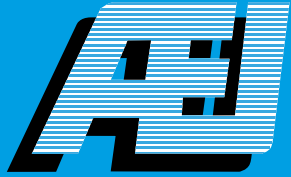
### THE GUN

- Cannon Type: AEI-HS804
- Calibre: 20 x 110 mm
- Rate of fire: 620 - 780 rpm
- Muzzle velocity: 835 m/s (2,740 ft/s)
- Range (max): 5,700 m (6,234 yds)
- Range (effective): 2,000 m (2,187 yds)
- Recoil force (max): 4.5 kN (1,012 lbf)
- Recoil force (mean): 1.6 kN (360 lbf)
- Mass of cannon (less magazine): 42.8 kg (94.4 lb)
- Mass of drum magazine (60 rounds): 12.5 kg (27.5 lb) : empty  
28.1 kgs (62 lbs) : +60 round (linkless)



### AMMUNITION

- TP & TP-T: Target practice (+ Tracer)
- HE & HE-T: High explosive (+ Tracer)
- HEI & HEI-T: High explosive incendiary (+ Tracer)
- AP & AP-T: Armour piercing (+ Tracer)
- API & API-T: Armour piercing incendiary (+ Tracer)



# AE20-NM-2

## 20 mm Naval Mount

### DESCRIPTION

AEI Systems' latest HS804 20mm Naval Mount (AE20-NM-2) replaces the basic AE20-NM 20 mm Naval Mount.

Significant improvements include:

- i) Armox Advance ballistic Steel shields to STANAG 4569 Level 1,
- ii) 30° oblique shielding offers greater ballistic protection,
- iii) ±15° horizontal ballistic protection from Point of Aim,
- iv) Flash hider for reduced visible signature,
- v) Gun enclosed for weatherproofing,
- vi) Spent cartridge case collection (60 rounds),
- vii) Barrel aligned recoil buffers for improved accuracy,
- viii) Picatinny / STANAG 4694 Accessory Rail – Iron & Optical sight options,
- ix) Greater harness adjustability,
- x) New 'lever' type weapon cocking mechanism,
- xi) Stainless Steel & high strength Aluminium Alloy construction,
- xii) Identical deck mounting interface with obsolescent Naval Mount AE20-NM.

### THE MOUNT

Traverse arc:	360° with optional adjustable safety arc stops
Elevation arc:	-10° to +50°
Swept radius:	1.82 m at 0° elevation
Height:	1.14 m from mount base to barrel centre line
Mass:	349 kg excluding weapon, feed drum and ammunition

The AE20-NM-2 is a crew served 20mm Naval Mount offering improved reliability and operability demanded by arduous sea borne conditions. It is designed to accept the Hispano-Suiza type 804 20 mm cannon, of which AEI Systems has the largest worldwide stock of weapon spares.

Where the Customer demands ruggedness and reliability as the main criteria, rather than expensive and often unnecessary sophistication, the crew served AE20-NM-2 Naval Mount offers an ergonomic and economical solution without sacrificing quality. It is highly effective against surface and air targets and is ideally suited as a main armament on patrol craft or secondary armament on larger vessels.

The HS804 is a gas operated, reciprocating open bolt 20 mm weapon. The drum magazine holds up to 60 rounds of linkless ammunition

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