

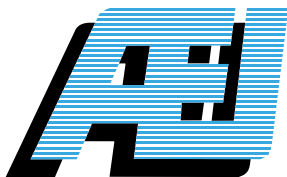


# AE20 - VM2

AE20 - VM2 HS804 20 mm Buffered Vehicle Mount



Focused Technology Skilled Engineering



# AE20 - VM2

HS804 20 mm Cannon



## 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)

## CANNON SPECIFICATION

- Cannon Type 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)
- Weight of cannon (less magazine): 42.8 kgf (94.4 lbf)
- Weight of belt feed Drum magazine: 5.6 kgf (12.3 lbf)



# AE20 - VM2

## AE20 - VM2 HS804 20 mm Buffered Vehicle Mount

### DESCRIPTION

The AE20-VM2 is a lightweight all Aluminium vehicle weapon mount for the HS804 20 mm gun. The mount accepts AEI's drum type belt feed mechanism for prolonged target engagements. The mount also accepts AEI's lower profile 'flat' belt feed mechanism and can simply revert to accept AEI's linkless feed drum magazine associated with the AE20-NM naval mount.

The cradle is sprung loaded to assist the operator engage elevated targets and balance the gun horizontally whilst vehicle trundling. The weapon mount can be readily fitted to a vehicle slewing ring, roof, bulkhead or pedestal.

The ammunition feed tank elevates with the gun cradle to ensure smooth ammunition feed.

### THE MOUNT

- Traverse arc: 360° with optional adjustable safety arc stops
- Elevation arc: -15° to +58°
- Swept radius: 1.68 m (66 in) at 0° elevation
- Height: 540 mm; base to barrel centreline
- Weight (Less gun & ammunition): 75 kgf (165 lbf)





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