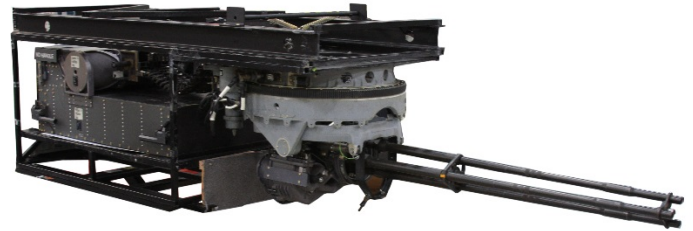


DATA SHEET

20mm Linkless™ feed system Cobra



01 Description

With over 35 years experience in manufacturing and fielding advanced linkless™ ammunition handling systems, Meggitt Defense Systems is the leader in design, development and manufacture of medium-caliber ammunition storage and transfer systems for military rotary aircraft. Our new-generation linkless™ ammunition handling systems are currently in service aboard the AH-64 Apache, AH-1W/Z Cobra, and the UH-60 Black Hawk.

Our Cobra 20mm linkless™ feed system is designed to be used with the GTU-1/A GTK-()/A49E-7() turret system and provides the high performance capability required to feed the M197 three-barreled electric Gatling gun.

Designed as a drop-in replacement for a linked system, the new Cobra 20mm system features four main components: the ammunition storage unit, merger loader, flexible chute assembly and linkless™ declutching feeder assembly.

The system's magazine assembly holds up to 652 rounds of 20mm ammunition in three-bays. Individual rounds are serpentine via three-single chain ladder assemblies. The merger unit assembly receives rounds through its bottom (feed) side and accelerates the ammunition to achieve the pitch spacing and velocity required to merge the three rows into one line. These rounds are then handed off to the conveyor elements within the flexible chute assembly and are transferred to the declutching feed, prior to being loaded in the gun's breech.

Because each round is handled individually and precisely controlled throughout the system, gun jams are practically a thing of the past. The high reliability of our linear linkless™ technology results in lower maintenance cost and thus ultimately lower system life-cycle cost when compared to conventional link-fed ammunition feed systems. Additionally, eliminating the need to purchase links (through bulk procurement of 20mm ammunition) provides further operational cost savings for the life of the program.

02 Key features and benefits

- Linkless™ feed design eliminates jamming issues associated with round handling
- Greater operational efficiency and lighter weight than linked system
- Stores and handles up to 652 rounds of 20mm ammunition
- Battlefield proven very high MRBF
- Minimal field maintenance requirements
- Lower life-cycle costs compared to linked systems

03 Applications

- AH-1W/Z Cobra
- GTU-1/A GTK-()/A49E-7() turret system

04 Contact

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05 Specifications

Ammunition storage unit

Weight Empty	200 lbs
Weight Loaded	569 lbs
Height	17 inches
Width	26.5 inches
Length	44 inches
Motor Voltage	28 VDC
Motor Current	15 amperes maximum at rated load

Flexible feed chute

Weight	35 lbs
Height	5 inches maximum
Width	8.5 inches maximum
Length	67 inches maximum
Gun feeder weight	24 lbs

06 Outline details

