

# CRV7 ROCKET WEAPON SYSTEM

## C17 ROTARY WING VARIANT



Magellan's CRV7 unguided rocket weapon system is the leading 2.75 inch (70mm) rocket system available, offering longer range, fastest time to target, and superior accuracy. Sold to 14 customers worldwide, the cost-effective CRV7 system includes HTPB composite propellant rocket motors, launchers and various training and operational warheads to meet mission objectives.

SUPERIOR ACCURACY • FASTEST TO TARGET • LONGEST RANGE • SAFE TO USE



## PERFORMANCE ADVANTAGES

### Superior Accuracy

The CRV7 C17 motor is the only 2.75 inch rocket motor developed specially for the turbulent operating environment of a helicopter. A 40% increase in accuracy was measured during Apache helicopter firings comparing C17 to competing systems.

### Fastest to Target

A 10 lb warhead with a C17 rocket motor reaches a 3 km range at least two seconds faster than competing rocket motors.

### Longest Range

The C17 motor achieves a velocity of at least 36% greater than other motors (based on tests with a 10 lb/4.54 kg warhead). This energy serves to propel the rocket to a greater maximum range than competing systems.

### Safe to Use

The composite propellant and the design of the CRV7 C17 motor allows for storage and operation in conditions ranging from Arctic to desert (-54° to +71° C).

CRV7 motors are partially compliant with Insensitive Munitions (IM) criteria, MIL-STD-2105.

The Head End Permanent Ignitor (HEPI) features an integrated RF filter, providing protection against Hazards of Electromagnetic Radiation to Ordnance (HERO) and Electrostatic Discharge (ESD).

## CRV7 FOR ROTARY WING PLATFORMS

### Warheads



WTU-5001/B Practice and WTU-5001 A/B Hardened Rod Practice: 10 lb warheads used as a training substitute for a variety of explosive-filled 2.75 inch rocket warheads.



General Purpose Flechette: warhead contains 80 tungsten flechettes. Each flechette is capable of penetrating light armour.



RA-79 High Explosive Incendiary Semi-Armour Piercing: suitable for anti-ship, bunkers and fortifications.



M151 High Explosive Point Detonating: warhead designed for antipersonnel applications.



M257 Illumination and M278 Illumination: provides battlefield illumination over approximately one square mile with one million candlepower for 120 seconds in the visible spectrum. The M278 provides similar illumination in the near-IR spectrum.

### Launchers

- M260 (7 tube) light weight launcher
- M261 (19 tube) light weight launcher

### Accessories

Rocket Protection Device: Designed for the M261 light weight launcher, the rocket protection device provides protection to the loaded launcher while on the ground and in flight.

### Helicopter Platforms

The CRV7 system has been fired from the following rotary wing platforms:

- Apache AH-64D
- Apache AH-64A
- WAH-64
- CH136 Kiowa (OH-58A)
- UH-1H
- Super Lynx 300
- Rooivalk

## ABOUT MAGELLAN AEROSPACE

Magellan Aerospace is a global aerospace company that provides complex assemblies and systems solutions to aircraft and engine manufacturers, and defence and space agencies worldwide. Magellan designs and manufactures aeroengine and aerostructure assemblies and components for aerospace markets, advanced proprietary products for military and space markets, and provides engine and component repair and overhaul services worldwide. Magellan is a public company whose shares trade on the Toronto Stock Exchange (TSX: MAL), with operating units throughout North America, Europe, and India.

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