

# CRV7 ROCKET WEAPON SYSTEM

## C15 FIXED 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 requirements.

**SUPERIOR ACCURACY • FASTEST TO TARGET • LONGEST STAND OFF RANGE • SAFE TO USE**



## PERFORMANCE ADVANTAGES

### Superior Accuracy

The combination of high kinetic energy, and optimized spin rate provides an extremely fast and accurate 2.75 inch rocket weapon system. The CRV7 C15 rocket motor flight dispersion is significantly less than competing systems, resulting in a salvo of ripple-fired rockets producing an impact "footprint" one-third the size of the competing system. This equates to a target hit probability, within that footprint, which is three times greater than competing systems.

### Longest Standoff Range

The higher kinetic energy of the CRV7 C15 rocket motor allows users to approach a target from lower altitudes and fire from longer standoff ranges compared to competing systems.

### Fastest to Target

The kinetic energy provided by the high impulse of the C15 rocket motor, when combined with kinetic energy penetrator warheads, supplies users with an effective solution to defeat armoured targets.

### 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 Igniter (HEPI) features an integrated RF filter, providing protection against Hazards of Electromagnetic Radiation to Ordnance (HERO) and Electrostatic Discharge (ESD).

## CRV7 FOR FIXED 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.



WDU-5002/B Flechette Anti-Tank: designed to defeat NATO standard heavy triple armour at angles of obliquity up to 40°.



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



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



M257 Illumination and M278 Illumination: the M257 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

- LAU-5002 (6 tube) reuseable launcher
- LAU-5003 (19 tube) disposable launcher
- SUU-5003 rocket launcher and bomb dispenser (carries 4 rockets and 6 practice bombs)

### Fixed Wing Platforms

The CRV7 system has been qualified and fired from over 35 fixed wing platforms including:

- F18 Hornet
- Jaguar
- F-5 A/B Freedom Fighter
- GR7/GR9 Harrier
- Hawk
- L-159
- F-16
- Alpha Jet
- A-4 Skyhawk

## ABOUT MAGELLAN AEROSPACE

Magellan Aerospace is a global enterprise providing integrated products and services to the aerospace industry worldwide. Magellan designs, engineers, and manufactures aeroengine and aerostructure assemblies and components for aerospace markets, advanced products for military and space markets, and complementary specialty products. Magellan Aerospace is a public company whose shares trade on the Toronto Stock Exchange (TSX: MAL), with operating units throughout Canada, the United States, the United Kingdom, Poland, and India.

For more information contact:

Magellan Aerospace, Winnipeg • PO Box 874 • 660 Berry Street • Winnipeg, Manitoba • R3C 2S4 • Canada  
Phone: +1 (204) 775-8331  
Email: [info@magellan.aero](mailto:info@magellan.aero)

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Magellan Aerospace  
3160 Derry Road East  
Mississauga, ON Canada L4T 1A9

T 905 677 1889 F 905 677 5658  
[www.magellan.aero](http://www.magellan.aero)