



## CRV7-PRECISION GUIDED 2.75 INCH (70 MM) WEAPON SYSTEM

Magellan Aerospace, in partnership with Kongsberg Defence and Aerospace (KDA) is offering a guided rocket weapon system.

CRV7-Precision Guided (CRV7-PG) combines the heritage of Magellan's CRV7 rocket weapon system with KDA's guidance technology from Penguin and Naval Strike Missile (NSM).

CRV7-PG meets the requirement for a low-cost precision weapon that fills the gap between unguided 2.75 inch rockets and the more expensive precision weapons such as Hellfire.

CRV7-PG will be useful in a direct and indirect role against a variety of targets.

The CRV7-PG system provides increased performance compared to other guided 2.75 inch systems. The CRV7 rocket motor has more energy than similar motors, which translates into longer ranges and higher accuracy that requires less guidance input during the initial launch phase.

Three different seeker options, CRV7-PG can be tailored for a variety of platforms, including helicopters, naval vessels, armed vehicles, fixed wing aircraft, and UAVs.

CRV7-PG is in development and has already completed more than 12 firings.



Artist depiction of Multi-Mission Effects Vehicles (MMEV) carrying CRV7-PG weapon system.



CRV7-PG prototype launch. One of 12 successful launches to date.



Artist depiction of Royal Navy Lynx launching CRV7-PG.



Guidance Unit

Armour Piercing or Point Detonating H.E.



CRV7 Rocket Motor



Nozzle/Fin

### PLATFORM OPTIONS

- Armed Vehicles
- Helicopters
- Naval Platforms
- Unmanned Aerial Vehicles

### FEATURES

- Forward Configuration Guidance Section
- Combat-proven CRV7 RWS
- Proven guidance technology (KDA)
- Low cost system design
- Lock-on before or after launch
- Different seeker options
- Testing underway with 12 firings complete

### GUIDANCE SECTION DESIGN

The guidance section is mounted in front of the warhead through a de-roll bearing. The midcourse guidance is achieved through rate/inertial sensors and canard controls. Terminal guidance is realized through a strap-down laser seeker, homing on a laser designated target or by an ARM seeker. The missiles can also be GPS guided.

CRV7-PG 2.75" (70 mm) – TECHNICAL DATA	
Seeker Options	Semi-Active Laser (SAL) Global Positioning System (GPS) Anti-Radiation Missile (ARM)
Range	Maximum 12 km (ground launched) 8 km (helicopter air launched) Minimum ≤1 km (design target)
Warhead	Armour Piercing or Point Detonating H.E.
Diameter	2.75" (70 mm)
Total Length	70" (1.78m)
AUR Weight	34.5 lbs (15.7 kg)



KONGSBERG

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