BIGHORN 120 mm recoiling mortar system
The vehicle mounted mortar BIGHORN with recoil brake meets all demands of the modern battlefield:

The compact design, the light weight and the efficient recoil brake allow the integration of BIGHORN into nearly all tracked and wheeled light armoured vehicles or trucks. Based on the autonomous built in hydraulic system BIGHORN needs only an external plug for electricity supply.

**Fire Power**

High rate of fire is achieved by using a semi-automatic muzzle loader. The loading device is optimized for rapid loading, easy operation and reduced crew workload under battlefield conditions.

The smoothbore barrel fires all standard 120 mm ammunition as well as smart, guided and cargo ammunition.

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<th>Features</th>
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<td>High fire power</td>
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<td>Easy integration</td>
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<td>Rapid deployment</td>
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<td>High reliability/maintainability</td>
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Examples of qualified ammunition

BIGHORN on wheeled vehicle

Compact and modular BIGHORN components
Navigation, Positioning and On-Board Computing

An inertial navigation and positioning system, mounted directly onto the BIGHORN, autonomously provides accurate weapon position and mortar alignment (without GPS support).

The navigation and positioning system increases the survivability through rapid deployment and displacement (shoot and scoot) using decentralized firing positions.

An integrated hydraulic power pack feeds the gun laying system and the semi-automatic loader.

Shoot and scoot

The integrated command and control equipment enables ergonomic and efficient fire mission management. The modularity and up to date design of the units allow the implementation of additional options such as auto-gunlaying, on-board ballistics, GPS support or future applications.
The 81 mm barrel insert system allows cost effective training with standard 81 mm smooth bore ammunition. The barrel insert system is easy to install, all operations and procedures are identical with the 120 mm system.

RUAG Land Systems Ltd. offers a complete integrated logistic support package. The package can be tailored to specific purposes. Life time spare consumption analysis, spares, maintenance, repair and overhaul are some examples. Training supported by simulators and training equipment is part of RUAG Land Systems Ltd. comprehensive life time support.