

Mjölner

Simple. Robust. Valiant.

A step-change solution on the battlefield. Easy training, simple to use and highly effective. Mjölner* is the hammer in the fist of the military user.

The vehicle mounted mortar system Mjölner, developed and produced by BAE Systems Hägglunds, will add indirect fire capability to any suitable vehicle, wheeled or tracked. It allows the user to field a capability well adapted for different vehicle platforms while enhancing the whole fleet's firepower. Mjölner is a turret solution with two smoothbore 120 mm gun barrels mounted on the actual

vehicle. The weapon is loaded via a robust mechanical system allowing rapid and reliable reload in all combat conditions. Mjölner gives a full 60 degrees of slew in azimuth without the complexity and costs of power-assisted turret solutions. With an effective elevation from 45 to 85 degrees, targets can be efficiently engaged over a wide range of distances.



* Mjölner in the Norse mythology:
Mjölner is the hammer of Thor, depicted as one of the most fearsome weapons, capable of leveling mountains.

Scalable with massive firepower



Mjölner is highly scalable with the possibility to integrate more advanced automated fire-control systems and the ability to handle a wide range of ammunition.

OPTIMAL DESIGN & ERGONOMICS

Mjölner maximizes the space available in the vehicle by the basket-less design, resulting in optimal ergonomics for the crew. In addition, the storage of the majority of the ammunition in the turret bustle provides rapid and easy access from both the inside and outside, during loading and firing as well as when resupplying the up to 56 grenades. Mjölner was designed from the very beginning to be intuitive and highly user-friendly.



Mjölner on a CV90 chassi

Capabilities:

- Turret with two muzzle loaded 120 mm barrels
- Maximum rate of fire is 16 rounds per minute
- Manual ammunition loading system
- Compatible with all standard 120 mm mortar ammunition, including Strix
- Uncomplicated and robust function
- 3 men crew, excluding driver
- Protection level according to STANAG 2 in basic design, add-on protection can be mounted; enhanced protection is available as an option
- Mobility equal to CV90
- Turret can be mounted on a variety of chassis, outer diameter of turret bearing 2235 mm
- Turret weight 6 t, - 8.1 t (depending on protection level)
- Inertial navigation

Performance:

- Time to fire < 2 min
- Time to scoot < 1 min
- Rate of fire 16 rounds / minute
- Rate of fire (sustained) 6 rounds / minute
- First 4 rounds < 8 sec
- Range up to 9 km (using standard grenades)
- Up to 13 km using standard range ammunition.
Stored rounds: Up to 56 in Bustle, up to 48 in chassis.



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