



RBS 70

Manportable Air Defence Missile System

The RBS 70 System, which can also be operated as an autonomous fire unit, was developed as a complete air defence system with each function integrated into the engagement sequence.

The system has long range and high accuracy in the head-on sector. This gives one fire unit the ability to effectively engage many targets in a flight formation, before the enemy has time to release their weapons. With its automatic identification and threat evaluation the RBS 70 is easy to

operate. And as all functions in the target engagement are completely unjammable, there is full system performance in all tactical situations, at anytime of the day or night.

Another important benefit is its low tactical profile that includes smokeless motors and high mobility, which in turn gives the system its high level of survivability. Although the RBS 70 is manportable it can easily be integrated with most wheeled and tracked vehicles.

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Takes on any aerial threat

In its basic configuration the RBS 70 comprises a tripod, sight and missile. In a complete system configuration several fire units can be connected to surveillance radar to provide all C⁴ functions. For this there are a number of available radar options with ready interfaces. Automatic threat evaluation is a part of the combat control, at two separate levels. And in the vehicle applications the RBS 70 can easily be dismantled and used independently.

Twenty-four hours' capability is attained by the addition of a night sight. A complete fire unit is self-sufficient and requires only batteries to supply power. This means that almost no logistic support is required.

With the RBS 70 simulator a missile operator has the ability to engage difficult targets after just a few hours of training. The simulator contains a large number of preprogrammed flight paths, but new ones can easily be created. The instructor can also create any aerial threat situation involving various types of targets. Any tactical situation can be practised, connected to a weapon terminal and using IFF and night sight.

The high system reliability of 94% has been verified by more than 1 300 live firings. And the recognised high

system quality ensures that maintenance costs are low. With the new BOLIDE missile the RBS 70 system can defeat all targets, including ground and surface targets. The unjammable laser-beam guidance provides short reaction times and head-on capability with high accuracy and high kill probability at long range, down to the lowest possible altitude.

BOLIDE is a beam-riding missile with an intercept range of 8 000 m and an altitude coverage of 5 000 m. And as it is equipped with a unique adaptive proximity fuze function that optimises the initiation point of the warhead it can destroy such small targets as cruise missiles and UAVs. The missile's combined warhead, with more than 3 000 tungsten pellets and shaped charge, has a high kill probability against any aerial threat. The laser-operated proximity fuze, which can be disconnected, is unjammable like the guidance system.

BOLIDE is designed to be completely maintenance free during a shelf-life of more than 15 years and after a mid-life overhaul has at least an additional 15 years operational life.



The latest improvements

- The new BOLIDE missile
- A new night sight, BORC
- Non-cooled laser diodes
- A new PC-based simulator
- New weapon terminal
- New IFF interrogator

Technical Data

Guidance method	Laser-beam-riding missile
Effective range	200 - 8 000 m
Height coverage	0 - 5 000 m
Deployment time	30 sec
Reloading time	less than 7 sec
Max velocity (BOLIDE)	Mach 2+

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