



MORAVA

Self-propelled multitube modular rocket launcher



According to changed conditions of modern warfare, the development of the modern rocket system was started which will be capable to launch a different kind of missiles, regarding to caliber or range, with following features:

- Polymorphous (for different calibers and for different warheads)
- Modular subsystems
- Each function fully automated
- FCS (Firing Control System) integrated
- Capable for autonomous scheduled war missions
- Effective logistics (interchangeable launching pods)

Modular multi-calibre multiple launch rocket system

- Combat ranges: 40 km with GRAD-2000, 28 km with GRAD-M 122 mm, (20.6 WITH OGANJ) 12.5 km with 128 mm PLAMEN-D, 11.7 km with 107 mm M-06 artillery rockets
- Advanced integrated FCS with INS, GPS, encoders, meteo sensor etc. featuring fully automatic mode of operation with automatic launcher laying capability, as well as and semi-automatic and manual back up modes of operation

- Automatic platform leveling system in order to compensate terrain slope
- Short in action / out of action time (60s /30s)
- Weapon combat set is consisting of two disposable storage/transport/launching modules with 12 composite rocket cells(tubes) per module (24 rockets per weapon) mounted on launcher cradle, based on rotating platform; this feature is enabling rapid reloading procedure by using of logistic vehicle equiped with reloading crane, as well as integration into modern logistic and network-centric concept
- Combat employment: Battery with 4-6 launchers, with autonomus (self-sufficient) combat mission capability for single launcher
- Capability of integration with wide range of wheeled or tracked platforms

BASIC TACTICAL TECHNICAL SPECIFICATIONS:

Range

- 8.6 km (rocket 128mm PLAMEN A)
- 11.5km (rocket 107mm M07)
- 12,6 km (rocket 128mm PLAMEN D)
- 20.6 km (rocket 128mm OGANJ M77)
- 40 km (rocket 122mm GRAD 2000)

Launching device

- Interchangeable launching module (pod) for single or multiple use
- Number of launching tubes per pods:
 - 16 (PLAMEN)
 - 24 (107mm)
 - 12 (GRAD or OGANJ)

Aiming subsystems

- Primary by means of INS (Inertial Navigation System),
- Auxiliary (by means of GPS and absolute encoders)
- Back up by standard artillery sighting/Aiming device`s
- Preparation time for mission at firing post: 45 s
- Withdrawal time from firing post after mission: 30 s

