

BAZALT: WORLD LEADER IN ANTITANK GRENADE WEAPONS

The operational and tactical research in leading countries of Europe and the U.S.A. and study of combat operations in local military conflicts have in recent years convincingly confirmed the high importance of antitank grenade weapons in the fire weapon system of the ground forces to fight armored targets in populated areas, wooded country and broken terrain and suppress fire emplacements and manpower sheltered in trenches, brick and reinforced concrete buildings.

The Bazalt State Research and Production Enterprise is the renowned world leader in the manufacture of antitank grenade launching systems. The items of ordnance developed in the 1980s (characteristics are provided in the table) have virtually no foreign equivalents up to now.

Bazalt has well-knit collectives of highly professional designers, process engineers and researchers, a modern developed production and test base and maintains close relations with scientists of higher educational institutions and academic science. Despite the unfavorable economic situation, Bazalt has preserved stable scientific,

technical and economic relations with manufacturing plants, making it possible to use their potential at the final development stages of new pieces of ordnance and launch their production within a short period of time.

Antitank grenade launching systems are being developed on the modular unit design principle using different component versions of modular units (launcher-container, warhead based on submodules, propulsion unit with universal body made of polyceramic materials, etc.), thereby considerably reducing the time spent on the development and fielding of weapons and ensuring their modernization by replacing a modular unit with new one, possessing higher performance characteristics.

In recent years the efforts of Bazalt and related enterprises have been aimed at increasing the accuracy and effectiveness of antitank assault weapons by providing new pieces with improved optical and miniature fire control devices. The range of missions performed by antitank grenade weapons becomes broader if fitted with multiple effect warheads.



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Now antitank grenade launching systems are being developed to defeat hard targets with built-in explosive reactive armor or provided with active protection.

Basic Characteristics of Modern Antitank Grenade Launching Systems

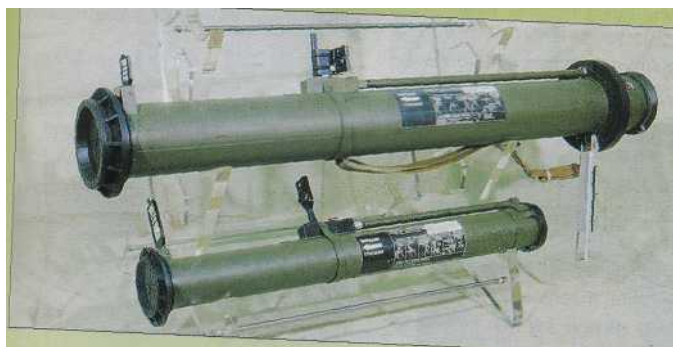
	Single-shot grenade launching systems		Multishot grenade launching systems			
	RPG-26	RPG-27	RPG-7V1 with round!			RPG-29 with PG- 29V round
			PG-7VL	PG-7VR	TBG-7V	
Warhead type	monotachic	tandem	monotachic	tandem	thermobaric	tandem
Caliber, mm:						
-grenade launcher	72	105	40	40	40	40
-grenade	72	105	93	105	105	105
Weight, kg:						
-grenade launcher	2.9	8.0	6.3	6.3	6.3	11.5
-round	2.9	8.0	2.6	4.5	4.5	6.7
Grenade launcher length, mm:						
-in traveling position	770	1,155	950	950	950	1,000
-in firing position	770	1,155	950	1,850	950	1,000
Armor penetration, mm (tandem warhead behind ERA)	500	750	400	750		750
Sighting range, m	250	200	300	200	200	500



PG-7VL, PG-7VR, TBG-7V AT rounds
for RPG-7V1 grenade launcher



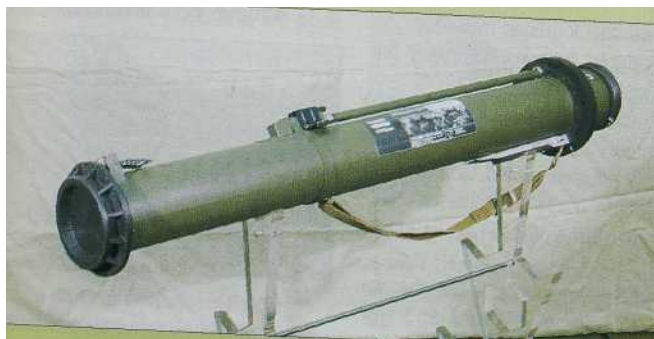
RPG-29 AT grenade launcher with PG-29V round



RPG-26 and RPG-27 rocket-propelled antitank grenades



105mm mounted grenade
launcher with PG-29V round



RShG-1 rocket-propelled assault grenade



Fire control device