

30 mm automatic gun GTS30

GENERAL

The 30mm automatic gun is designed for firing at light armoured targets within a distance up to 1500 m, non-armoured targets within a distance up to 4000 m and also at low-flying subsonic air targets up to 2000 m within a slant distance of 2500m. The gun can be fired in single shots or in burst (low or high rate of fire). It offers reliable functioning under severe conditions, such as temperature range from -32°C up to +50°C, in rain, dust, frost and in very dry environment. The new muzzle brake allows firing in addition to standard 30x165 mm ammunition (AP, HE, HEI) also APDSFS ammunition.

TECHNICAL DATA

Caliber	30 mm	
Number of grooves	16	
Rate of fire	high	± 550 rounds/min
	low	± 200 rounds/min
Weight of gun	115 kg	
Recoil force	40-50 kN	
Gun length	3 027 mm	
Voltage of the trigger electric system	27 +2/-5 V	
Feeding	two belt type	
Re-cocking	pyrotechnical or manual	
Number of pyro cartridges	3	



30 mm automatic gun GTS30N

GENERAL

The 30mm automatic gun is designed for firing at light armoured targets within a distance up to 1500 m, non-armoured targets within a distance up to 4000 m and also at low-flying subsonic air targets up to 2000 m within a slant distance of 2500m. The gun can be fired in single shots or in burst (low or high rate of fire). It offers reliable functioning under severe conditions, such as temperature range from -32°C up to +50°C, in rain, dust, frost and in very dry environment. The new muzzle brake allows firing in addition to standard 30x173 mm ammunition (AP, HE, HEI) also APDSFS ammunition.

TECHNICAL DATA

Caliber	30 mm	
Number of grooves	16	
Rate of fire	high	± 400 rounds/min
	low	± 200 rounds/min
Weight of gun	135 kg	
Recoil force	40-50 kN	
Gun length	3 030 mm	
Voltage of the trigger electric system	27 +2/-5 V	
Feeding	two belt type	
Re-cocking	pyrotechnical or manual	
Number of pyro cartridges	3	



TURRET DVK-30

GENERAL

The Turret DVK-30 is a modular one-person turret designed for up-grading of tracked and wheeled combat vehicles. It is equipped with devices that correspond to contemporaneous combat requirements for troops and crew protection, for reliable and accurate gun laying in any weather conditions within temperature range from -30°C up to +50°C, day and night, while the vehicle is moving. Weapons and turret laying are done by means of drive units with manual duplicity.

Armor plating protects against bullets up to 14,5 mm caliber within the frontal arc and 7,62 mm caliber fired from any direction.

TECHNICAL DATA

Crew	One person (gunner)	Machine gun ready rounds (7.62 mm)	1500 pcs
Powered elevation	-4° ÷ +50°	Smoke grenade system	V902 / GALIX
Manual elevation	-4° ÷ +58°	Back-up optical sight	BPK-2-42A1
Powered / manual azimuth	N x 360°	Empty turret weight	1300 kg
Gun / Turrent stabilization	3 axes	IR camera (D/R/I)	Uncooled HD (9500 m / 3200 m / 1800 m *)
Main gun (30 mm)	GTS30 / GTS30N	Day camera (D/R/I)	Full HD (14600 m / 9300 m / 6000 m *)
Coaxial machine gun	PKT 7.62	Laser rangefinder	Up to 6000 m, IEC 60825 Laser Class 1
Main gun ready rounds (30 mm)	100 + 200 pcs	* for 2.3 m x 2.3 m target	



125 mm Tank Gun GTS-125

GENERAL

Gun is designed to fight tanks, self-propelled guns and other armoured targets of the enemy, as well as to destroy the enemy's firepower, manpower, brick and reinforced concrete shelters.

The new design of recoil mechanism and prolonging the barrel guidance from cradle into the shield as opposed to 2A46 gun increased the first round hit probability by 23% and brought up better parameters in the dynamic shooting. The new recoil mechanism is mounted symmetrically to the barrel axis. The increased volume of the bore evacuator ensures the increased

TECHNICAL DATA

Caliber	125 mm, smooth-bore
Total weight	2500 kg
Length of the gun	6350 mm
Rate of fire	max. 8 rounds per minute
Recoil length	270 - 340 mm
Maximal range of fire with sight / muzzle velocity	
- APFSDS-T	4000 m / 1800 m/s
- HEAT-T	4000 m / 905 m/s
- HE	5000 m / 850 m/s



Self propelled mortar AM120

GENERAL

Turret mortar system design for 6x6 and similar vehicles. Weaponry consist of mortar 120mm with recoil brake. Minimum crew for operation of mortar is two people - driver and commander. Current combat requirement for protection of crew for reliable and accurate quaidenance of weapon under all weather conditions within the temperature range from -30°C to +50°C.

TECHNICAL DATA

Crew	3 - 4 persons
Chassis - EXCALIBUR ARMY	TATRA FORCE T 815-7 6x6
Engine output / max. speed	300 kw / 90 km/h
Dimensions (H x W x L)	3220 mm x 2550 mm x 8340 mm
Range elevation / azimuth	40 - 80° / 360°
Range of fire: min / max	504 m / 8200 m
Number of mines in the carousel	60 pcs
Number of rounds per minute	≈ 20
Fire control system - KERAMETAL	LANSYS AM120



in cooperation with

EA® EXCALIBUR
ARMY

KERAMETAL

Barrel's production programme

155 mm HOWITZER BARREL WITH LENGTH OF 52 CALIBRES (ZUZANA 2)



155 mm HOWITZER BARREL WITH LENGTH OF 45 CALIBRES (ZUZANA 2000)



125 mm TANK BARREL WITH LENGTH OF 48 CALIBRES (2A46)



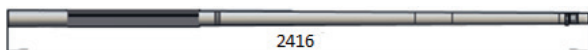
152 mm HOWITZER BARREL WITH LENGTH OF 36 CALIBRES (DANA)



100 mm TANK BARREL WITH LENGTH OF 53 CALIBRES (T55)



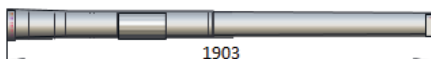
30 mm BARREL WITH LENGTH 80 CALIBRES (2A42)



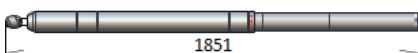
73 mm BARREL WITH LENGTH OF 19 CALIBRES (2A28)



120 mm MORTAR BARREL WITH LENGTH 15 CALIBRES



98 mm MORTAR BARREL WITH LENGTH 18 CALIBRES



81 mm MORTAR BARREL WITH LENGTH 19 CALIBRES

