



The weapon system is basically consisting of a bolt action rifle cal. .308 Win with suppressor, a rifle scope and a user specific cartridge. This system is intended to be a soldier's primary weapon and serve him as an anti-personnel rifle. This system must be able to hit a head-sized target up to 400 m distance or a torso-sized target over 800 m and more with a first round hit probability of over 99%. Although being a precision instrument, the system must resist the harsh military use and remain functional in typical operational environments.

YALGUZAG

sniper rifle system

System: Bolt action rifle, manually operated
Caliber: .308 Win (7.62x51 NATO)
Rifling: 4 grooves, right hand twist 1:11"
Barrel Length: 660 mm
Effective Range: 1000 m
Accuracy: < 15 mm (standard deviation at 100 m)

Overall Length:

Buttstock folded 906 mm

Buttstock open 1139 mm (+ 75 mm buttstock extended)

Width (w/o bolt) Buttstock folded 85 mm

Buttstock open 48 mm

Sight radius: 727 mm

Weight (weapon only): 7.01 kg

Magazine Capacity: 10 rds, detachable

Trigger Pull: 1.5 kg - 2.5 kg (fully adjustable w/o disassembly)

Bolt configuration: 3 locking lugs, 60° opening angle

Operational Condition Data of Rifle

Shock resistance: 500 shocks of 15 g / 6 ms

Vibration resistance: 10 Hz to 500 Hz at 1.04 g for 2 h, at 4.8 g for 30 min

Drop resistance: 1.5 m without accidental discharge

Operational temperature: - 30°C / +65°C

Storage temperature: - 30°C / +65°C (and 95% rel. humidity) for 72 h

Barrel lifetime: > 6000 rounds

Permissible Maximum Pressure: 4773 bar

YALGUZAG (.308 Win) NATO
7.62x51 mm

