

Tank Reference

Eastern Bloc

Modern Era

T-14

Description	
Primary Armament(s)	125mm smoothbore 2A82-1M gun
Secondary Armament(s)	12.7mm Kord machine gun, 7.62mm PKTM machine gun
Armor	Malachit ERA (Explosive Reactive Armor), composite armor, and modular armor
Countermeasures	Afganit active protection system, smoke grenade launchers, laser warning system
Special Features	Unmanned turret, integrated command and control systems
Application	Next-generation MBT designed for modern conflict scenarios; significant electronic warfare, automation, and protection capabilities.

T-72B3 (obr. 2012g.)

Description	Modernization of the T-72B, introduced in 2012.
Primary Armament(s)	125mm 2A46M-5 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Relikt ERA
Countermeasures	Smoke grenade launchers
Special Features	Modern fire control system, improved engine, and overall systems upgrade.
Application	Extensively modernized version to extend the operational life and capabilities of the T-72 series in modern conflicts.

T-72B3 (obr. 2016g.)

Description	Further modernization of the T-72B3, introduced in 2016.
Primary Armament(s)	125mm 2A46M-5 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Relikt ERA
Countermeasures	Smoke grenade launchers
Special Features	Improved sights, fire control systems, and additional combat enhancements.
Application	A more refined version of the T-72B3 with advanced systems to meet contemporary combat requirements.

T-90SA (obr. 2016g.)

Description	Updated export version of the T-90 from 2016.
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Primary Armament(s)	125mm 2A46M-5 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Relikt ERA
Countermeasures	Smoke grenade launchers, Shtora-1 defensive aid suite
Special Features	Enhanced systems tailored to modern export market needs.
Application	Modern export variant to meet the requirements of international clients.

T-90SM (obyekt 188SM)

Description	Highly advanced version of the T-90.
Primary Armament(s)	125mm 2A82-1M smoothbore gun
Secondary Armament(s)	12.7mm Kord machine gun, 7.62mm PKTM machine gun
Armor	Composite armor, Relikt ERA
Countermeasures	Smoke grenade launchers, Shtora-1 defensive aid suite
Special Features	Modern fire control, enhanced protection, and mobility systems.
Application	Further evolution of the T-90 series with cutting-edge technology and systems.

Post Cold War

2S25 Sprut-SD

Description	Amphibious light tank or self-propelled anti-tank gun developed by Russia.
Primary Armament(s)	125mm 2A75 smoothbore gun
Secondary Armament(s)	7.62mm PKT machine gun
Armor	Aluminum alloy armor with optional add-on armor kits
Countermeasures	Smoke grenade launchers
Special Features	Amphibious capability, airborne deployable, modern fire control system
Application	Designed for airborne and naval infantry units, capable of engaging tanks, armored vehicles, and fortifications.

T-80UE-1

Description	Modernized version of the T-80U.
Primary Armament(s)	125mm 2A46M-1 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Fire Control System: Enhanced with modern fire control systems for improved targeting and engagement accuracy.
Application	Export variant designed for foreign military customers, with capabilities closely mirroring the T-80U.

T-80UM

Description	Modernized version of the T-80U.
Primary Armament(s)	125mm 2A46M-1 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun

Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced systems and protection over the base T-80U.
Application	Further improved T-80U model with contemporary systems and protection.

T-90 (obr. 1992g.)

Description	A major evolution of the T-72 series, introduced in 1992.
Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor: Composite armor, Kontakt-5 ERA	
Countermeasures	
Special Features	Modern fire control system, improved engine, and protection.
Application	Advanced MBT designed to incorporate modern features and technologies.

T-90SA (obr. 2004g.)

Description	Export version of the T-90 designed for specific client requirements.
Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers, Shtora-1 defensive aid suite
Special Features	Tailored to export market needs.
Application	Export MBT variant for foreign military sales with capabilities closely mirroring the base T-90.

Cold War Era

T-72AV

Description	An upgraded variant of the T-72A, introduced in the mid-1980s with additional armor enhancements.
Primary Armament(s)	125mm 2A46 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA (Explosive Reactive Armor)
Countermeasures	Smoke grenade launchers
Special Features	Improved protection with the addition of Kontakt-1 ERA, enhanced fire control systems
Application	Designed to improve survivability against modern anti-tank weapons and enhance combat effectiveness.

T-72B (obr. 1984g.)

Description	Variant of the T-72 MBT introduced in 1984.
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Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced optics and fire control systems over earlier models
Application	General-purpose MBT with improved protection and capabilities over the base T-72 model.

T-72B (obr. 1985g.)

Description	Further improvement of the T-72B introduced in 1985.
Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced armor configuration and internal systems
Application	Incremental upgrade of the T-72B, maintaining its role as a general-purpose MBT.

T-72B (obr. 1989g.)

Description	Upgrade of the T-72B from the late 1980s.
Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced protection with the introduction of the more effective Kontakt-5 ERA.
Application	Improved protection against contemporary threats, maintaining its role as a general-purpose MBT.

T-72B (often referred to as T-72BB)

Description	An advanced variant of the T-72 series, introduced in 1985 with significant improvements in armor and firepower.
Primary Armament(s)	125mm 2A46M smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 or Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Improved fire control system, enhanced armor protection, capable of firing anti-tank guided missiles (ATGMs) through the main gun.
Application	Designed to counter modern threats with improved protection, firepower, and versatility in various combat scenarios.

T-80

Description	Soviet MBT, the world's first to feature a gas turbine engine.
Primary Armament(s)	125mm 2A46 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun

Armor	Composite armor
Countermeasures	Smoke grenade launchers
Special Features	Gas turbine engine providing high power-to-weight ratio.
Application	A unique MBT with a gas turbine engine, offering fast speeds but higher fuel consumption.

T-80A

Description	An upgraded version of the T-80 with improved armor and armament.
Primary Armament(s)	125mm 2A46-2 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Improved fire control systems and overall combat enhancements.
Application	Enhanced capabilities over the base T-80 model, designed to tackle modern threats of its era.

T-80B

Description	Improvement over the T-80A with various upgrades.
Primary Armament(s)	125mm 2A46-2 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Improved engine, fire control system, and optics.
Application	Further refinement of the T-80 series to meet evolving combat requirements.

T-80BK

Description	Command variant of the T-80B.
Primary Armament(s)	125mm 2A46-2 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Additional communication and navigation equipment for command and control purposes.
Application	Command tank variant designed to lead armored formations in battle.

T-80BV

Description	T-80B variant with enhanced protection.
Primary Armament(s)	125mm 2A46-2 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Introduction of Kontakt-1 explosive reactive armor for increased protection.

Application	Enhanced protection to better handle contemporary threats in its operational era.
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T-80BVK

Description	Command variant of the T-80BV.
Primary Armament(s)	125mm 2A46-2 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-1 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced communication and navigation equipment for command and control purposes.
Application	Command tank variant with improved protection, designed to lead armored formations.

T-80U

Description	A major upgrade of the T-80 series with advanced features.
Primary Armament(s)	125mm 2A46M-1 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor: Composite armor, Kontakt-5 ERA	
Countermeasures	Smoke grenade launchers
Special Features	Modern fire control system, enhanced protection, improved mobility, and engine enhancements.
Application	Advanced MBT variant designed for modern warfare scenarios.

T-80U (45M)

Description	T-80U variant.
Primary Armament(s)	125mm 2A46M-1 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Enhanced fire control, optics, and other systems.
Application	Further refinement of the T-80U, bringing it up to par with modern MBT standards.

T-80UK

Description	Command version of the T-80U.
Primary Armament(s)	125mm 2A46M-1 smoothbore gun
Secondary Armament(s)	12.7mm NSV machine gun, 7.62mm PKT machine gun
Armor	Composite armor, Kontakt-5 ERA
Countermeasures	Smoke grenade launchers
Special Features	Advanced communication and navigation equipment.
Application	Command variant of the T-80U, designed to lead and coordinate armored formations in battle.

Post-WWII

T-34-85M

Description	An upgraded version of the T-34-85, introduced in the post-World War II period.
Primary Armament(s)	85mm ZiS-S-53 gun
Secondary Armament(s)	7.62mm DT machine gun
Armor	Enhanced steel armor compared to the original T-34-85
Countermeasures	None
Special Features	Improved engine and transmission, upgraded gun sight and fire control system
Application	Modernized version to extend the service life of the T-34-85 for use in various roles including training and reserve units.

T-55A

Description	A variant of the T-55 main battle tank, introduced in 1963 with additional features and improvements.
Primary Armament(s)	100mm D-10T2S rifled gun
Secondary Armament(s)	7.62mm SGMT coaxial machine gun, 12.7mm DShK AA machine gun
Armor	Improved composite armor, NBC (Nuclear, Biological, Chemical) protection system
Countermeasures	Smoke grenade launchers
Special Features	Enhanced protection against radiation and chemical threats, improved night vision devices
Application	Widely used main battle tank, upgraded for better survivability and effectiveness in diverse combat scenarios.

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