

37mm M6

This is a cannon originally conceived after World War I as an antitank gun. It is now mainly found in the Twilight 2000 world on the M8 Greyhound armored car in Third World nations.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
37mm M6	1	390	AP	8	6/5/4/3	Nil
	1	145	APERS	30x60D	1-Nil	Nil
	1	290	HE	C2 B10	-6C	Nil

40mm 2-Pounder

Not to be confused with the 2-Pounder naval anti-aircraft autocannon, the Ordnance QF 2-Pounder was on the verge of obsolescence even before it came into service in 1936, barely able to deal with the tanks of the time. It was retained in service, to be used as an infantry support weapon, but was retired shortly after the end of World War 2. In addition to a ground mount, it equipped several AFVs designed before or shortly after the start of World War 2, and despite its drawbacks, saw a significant amount of service.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
40mm 2-Pounder	1	380	AP	8	5/4/3/2	Nil
	1	380	APCBC	9	6/5/4/3	Nil
	1	380	APCNR	9	7/5/4/3	Nil
	1	380	APHV	C1 B6	5/4/3/2	Nil
	1	380	HE	C2 B10	Nil	Nil

57mm 6-Pounder

This large caliber gun was designed as an antitank gun during the Second World War, and was the first to use discarding sabot ammunition. It was also known to the US and US allies as the 57mm M1, and copied by the Russians.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
57mm 6-Pounder	1	350	AP	13	12/10/9/6	Nil
	1	350	APDS	13	20/17/14/9	Nil
	1	270	HE	C4 B15	2C	Nil
	1	350	HVAP	13	15/13/11/7	Nil

73mm Russian

This is a large-caliber gun mounted on the BMP-1, BMD-1, BVP-1, Type 85, and WZ-551 infantry fighting vehicles. Its ammunition is a modified version of the ammunition for the SPG-9 recoilless rifle.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
73mm Russian	1	240	HE	C8 B20	4C	Nil
	1	240	HEAT	C5 B15	51C	Nil

75mm French/M1897A5

This is an older French gun derived from before the turn of the 20th century found on tanks such as the Sherman, Grant, and Lee. It is also mounted on some older French vehicles such as early versions of the AMX-13.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
75mm French/M1897A5	2	340	APDS	17	24/21/17/12	Nil
	2	125	APERS	25x50D	1-Nil	Nil
	2	250	HE	C8 B20	4C	Nil
	2	250	HEAT	C6 B15	53C	Nil
	2	250	WP	C2 B15	Nil	Nil

76.2mm 17-Pounder

This weapon was designed as an antitank weapon during the Second World War. It is still found on some field pieces and some old Sherman tanks and other vehicles still in use by Third World countries. It's long L/55 gun, firing a round with a greater propellant charge, gave it superior range and hitting power than comparable American designs of the time.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
76.2mm 17-Pounder	2	400	AP	17	26/23/20/13	Nil
	2	400	APDS	17	45/39/33/22	Nil
	2	310	HE	C6 B15	4C	Nil
	2	400	HVAP	17	34/30/25/16	Nil

76mm L23A1

This large-caliber gun is found on vehicles such as the Scorpion, Rooikat, and other light vehicles. It is useful against light armor,

but cannot stand up against heavier vehicles, and is primarily useful as a support weapon. The L23A1 is hampered by its very short L28.37 barrel, but the short barrel makes it ideal to mount on smaller vehicles.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
76mm L23A1	1	280	AP	17	17/15/13/8	Nil
	1	105	APERS	20x40D	1-Nil	Nil
	1	210	CHEM	C2 (B5)	Nil	Nil
	1	210	HE	C12 B25	4C	Nil
	1	210	HESH	C12 B25	67C	Nil

76.2mm M1

The M1 was purpose-designed for mounting on the Sherman, and was famous for its employment on the M4A3E8 "Easy Eight" variant of the M4 Sherman. It was also the armament of late versions of the M10A1 tank destroyer. The M1's longer L/50 barrel gave it more velocity and hitting power than the M7.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
M1	2	390	AP	17	23/20/17/11	18300
	2	390	APC	17	35/30/25/16	18300
	2	290	HE	C6 B15	4C	18300
	2	290	CHEM	C2 (B5)	Nil	18300

76.2mm M7

The M7 began life as a naval dual-purpose gun which became obsolete. When the US Army began looking for a more powerful gun than the 75mm M1897A5, they chose the M1 Naval Gun because suddenly a lot of them were available, and then devised armor-piercing ammunition for it, calling the gun the M7. The M7 armed such tank destroyers as the M10 and M10A1. The new ammunition was hampered by the short L/40 barrel length of the M7, and it was too large and heavy to put on the Sherman tank. It was supplanted in later tank destroyers and the Sherman tank by the M1 76.2mm tank gun.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
M7	2	340	AP	17	17/15/13/8	14700
	2	340	APCBC	17	30/26/22/14	14700
	2	250	CHEM	C2 (B5)	Nil	14700
	2	250	HE	C6 B15	4C	14700
	2	340	HVAP	17	22/20/17/11	14700

76mm M32/M32A1/M32A2/M32K1

The M32 series may be thought of as a 76mm gun taken to the OP level. The M32 is a high-pressure 76mm gun, firing more powerful ammunition through a long L/60 barrel. At the time of its introduction just after World War 2, guns were still needed for vehicles such as the M41 Walker Bulldog that were unable due to light chassis to mount the then-new 90mm guns. The M32 went through a number of iterations, improving the mounting hardware or lightening the gun or enabling it to fire even higher-pressure ammunition. The M32K1 is a Taiwanese variant of the M32A1; the APFSDS round for M32-series guns was designed specifically for use in the M32K1, but can also be used in other M32-series guns.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
M32 Series	2	440	APBC	17	40/35/30/19	Nil
	2	440	APFSDS	17	97/84/71/46	Nil
	2	165	Canister	35x65D	1-Nil	Nil
	2	330	HE	C12 B25	4C	23300
	2	330	HEAT	C8 B16	84C	23300
	2	440	HVAP	17	45/39/34/21	Nil
	2	440	HVAPDS	17	68/60/51/33	Nil
	2	330	WP	C2 B15	Nil	23300

76.2mm D56TM

This is a Russian gun found on older tanks like the T-34 and light tanks like the PT-76. It is outmoded and outgunned by newer weapons, but is still used on these vehicles and on field pieces.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
D56TM	1	360	APFSDS	17	58/50/43/28	Nil
	1	270	HE	C9 B20	4C	Nil
	1	270	HEAT	C6 B15	54C	Nil

85mm D-44

This is a large-caliber gun used on field guns and vehicles such as the Type 63 and T-34/85. It is an improvement over the

D56TM, but still no match for more modern weapons.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
85mm D-44	2	420	APHE	C5 B10	36C	Nil
	2	310	HE	C9 B20	9C	Nil
	2	310	HEAT	C6 B15	44C	Nil
	2	420	HVAP	19	46/40/34/22	Nil

90mm CN90F3 French

A large-caliber gun found on several French-made armored vehicles and some vehicles of other countries, such as Switzerland and Austria. The ammunition range is not as wide as that for the NATO 90mm gun, but the gun is a reasonably modern smoothbore design with a long L/52 barrel.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
90mm CN90F3	2	400	APFSDS	20	97/84/71/46	Nil
	2	300	HE	C12 B25	7C	Nil
	2	300	HEAT	C8 B15	65C	Nil

90mm M3

This gun played a role similar to the Nazi 88mm gun – it began life as a heavy AAA gun, then was adapted for use as an antitank gun, then made the leap to a vehicle-mounted gun, being mounted on the M36 tank destroyer and M26 Pershing tank, as well as the post World War 2 M56 Scorpion. The M3 used a long L/53 barrel for better muzzle velocity and range. Performance was comparable to the Tiger's 88mm L/56 main gun, but fell short of the Tiger II's L/71 main gun. This led to the T30E16 HVAP shot, which was actually tungsten-cored (in today's parlance, HVAPT). Continued improvements to the M3 led to the M41 below.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
90mm M3	2	400	AP	20	39/34/29/19	21100
	2	400	APC	20	34/30/25/17	21100
	2	400	Late APC	20	35/31/26/18	21100
	2	310	HE	C8 B20	7C	21100
	2	400	HVAP	20	51/44/38/24	21100

90mm M41 NATO/Cockerill

This gun is fitted to a wide variety of NATO vehicles and vehicles of many other countries worldwide. It has reasonable effectiveness except against some tanks and can use a wide variety of ammunition types.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
90mm NATO	3	420	APC	20	57/50/61/27	Nil
	3	420	APDS	20	84/73/62/40	Nil
	3	155	APERS	30x60D	1-Nil	Nil
	3	420	APFSDS	20	119/103/88/57	Nil
	3	310	HE	C14 B25	7C	Nil
	3	310	HEAT	C9 B15	83C	Nil
	3	280	HEAT-Heavy	C10 B16	92C	Nil
	3	310	HESH	C14 B25	66C	Nil
	3	420	HVAP	20	64/56/48/31	Nil
	3	310	WP	C2 B20	Nil	Nil

100mm D-10

This is an older Russian large caliber gun found on such tanks as the T-55 and Type 69, as well as field pieces, and a modified form is found on newer vehicles such as the BMP-3 and newer Pact T-55s. (This newer version can fire AT-10 ATGM through the gun barrel.) This gun has been much modified over the years in attempt to increase its effectiveness, and a wide variety of ammunition is available for it. Unlike most large-caliber tank guns, the D-10 may be used as an artillery piece, and has an indirect fire range.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
D-10	2	360	AP	22	40/35/30/19	21000
	2	360	APC	22	46/40/34/22	21000
	2	360	APFSDS	22	97/84/71/56	21000
	2	360	APHE	C8 B15	40C	21000
	2	270	FRAG-HE	C11 B30	6C	21000
	2	270	HE	C15 B25	8C	21000
	2	270	HEAT	C10 B20	73C	21000
	2	360	HVAPDS	22	82/72/61/39	21000

105mm F2 BK MECA

The 105mm F2 BK MECA was designed specifically for installation in the AMX-10RC wheeled cannon vehicle. It was designed to be lighter and more compact than the corresponding NATO-standard gun, the 105mm L7/M68. It is also a medium-pressure gun instead of the M68/L&'s high-pressure gun, and meant to produce less recoil than the L7/M68. It does not match the range of the L7/M68, and uses proprietary 105x527R ammunition, and cannot fire or even chamber NATO ammunition.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
105mm F2 BK MECA	2	390	APFSDS	23	119/103/88/57	Nil
	2	290	HE	C19 B30	9C	21500
	2	290	HEAT	C13 B20	98C	21500

105mm M68/L7 NATO

This was the standard US and Western tank main gun for almost 30 years before its replacement by the 120mm Rheinmetall. It is installed on a wide variety of tanks and armored vehicles, from the AMX-10RC to the M1 tank. It has a large amount of different ammunition types available, in an attempt to keep it current. The British L7 has a different breech, but is otherwise the same weapon.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
105mm M68/L7	2	410	APDS	23	88/77/65/42	Nil
	2	410	APFSDS	23	124/108/92/59	Nil
	2	410	APFSDSDU	23	155/135/115/74	Nil
	2	410	APFSDSDU M900	23	165/143/122/78	Nil
	2	155	Flechette	30x60D	1-Nil	Nil
	2	310	HE	C19 B30	9C	Nil
	2	310	HEAT	C13 B20	98C	Nil
	2	310	HEAT M815	C14 B30	135C	Nil
	2	310	HESH	C19 B30	74C	Nil
	2	720	Israeli LAHAT	C6 B10	92C	Nil
	2	310	WP	C3 B30	Nil	Nil

115mm U5TS

This is the standard armament on the Russian T-62 tank, and some early models of the T-64. Its fin-stabilized rounds have a flat trajectory and reasonable accuracy. Its two-part rounds take longer to load than comparable NATO rounds.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
U5TS	3	410	APFSDS	25	116/101/86/55	Nil
	3	310	HE	C20 B30	10C	Nil
	3	310	HEAT	C13 B20	85C	Nil

NATO-Compatible 120mm Smoothbore Guns**L/44/48/50/52/55**

This German-designed gun is standard on most new US, NATO, and Western-aligned nations' tanks, as well as the Chinese Type 89 antitank gun. Though its performance is superior to most tank guns, new ammunition has been devised over the years to keep up with current threats.

Weapon	Reload	L/44	L/48	L/50	L/52	L/55	Round	Damage	Penetration	IFR
120mm	2	205	216	218	226	233	APERS	30x60D	1-Nil	Nil
	2	550	580	590	610	630	APFSDS	26	132/115/98/63	Nil
	2	550	580	590	610	630	APFSDSDU	26	166/144/122/79	Nil
	2	610	645	655	675	700	APFSDSDU	26	188/163/138/89	Nil
	2	410	435	440	455	470	M829A3 HE	C29 B40	11C	Nil
	2	410	435	440	455	470	HEAT	C19 B25	137C	Nil
	2	410	435	440	455	470	HESH	C29 B40	110C	Nil
	2	825	870	885	915	945	Israeli LAHAT	C10 B15	125C	Nil
	2	495	520	530	550	565	MPAT	C10 B15	125C	Nil
	2	440	465	480	490	505	STAFF	C10	75C (TA)	Nil

	2	960	1130	1150	1190	1230	TERM-CE	B15 C10	110C (TA)	Nil
	2	1100	1160	1180	1220	1260	TERM-KE	B15 28	144/125/106/68 (TA)	Nil
	2	960	1130	1150	1190	1230	TERM-TA STAFF FF	C10 B15	75C (TA)	Nil
	2	410	435	440	455	470	WP	C3 B35	Nil	Nil

120mm L11

This is the British rifled gun counterpart to the 120mm Rheinmetall, in the same manner that the L7 is the British counterpart to the 105mm NATO gun. The L11 arms most British-made tanks; however, just before the Twilight War, these guns were being replaced by Rheinmetall guns to take advantage of the wider ammunition choices.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
L11	2	630	APDS	26	106/92/78/50	Nil
	2	630	APFSDS	26	149/130/110/71	Nil
	2	630	APFSDSDU	26	186/162/138/89	Nil
	2	470	HESH	C29 B40	110C	Nil

120mm OTO Melara 120mm/45

This gun was designed specifically for mounting on the B1 Centauro's hull. The unmodified version of this hull could not handle the recoil of the NATO 120mm L/44 gun. The OTO Melara 120mm/45 is slightly longer than the NATO gun, but designed to operate at a lower pressure; it has superior damaging potential than the 105mm gun of the B1 Centauro, but less range than the NATO 120mm gun. The ammunition is the biggest part of this lower operating pressure, and is not compatible with the 120mm NATO gun or vice versa. The only service use of this gun is on the Centauro 120mm used by Oman.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
OTO Melara 120mm/45	2	155	APERS	30x60D	1-Nil	Nil
	2	415	APFSDS	26	127/110/94/61	Nil
	2	415	APFSDST	26	159/138/117/76	Nil
	2	310	HE	C29 B40	11C	Nil
	2	310	HEAT	C19 B25	137C	Nil

125mm Russian

This gun arms most modern Russian tanks, since its introduction on the T-64. Updates have made it able to fire various ATGM through its gun barrel (such as the AT-8 and AT-11). This weapon is also mounted on a field carriage, known as the Rapira-3. The ATGM-firing versions were introduced because the 125mm Russian gun's long-range performance is not good. The autoloader for this gun on Russian tanks tends to grab the gunner's arm and attempt to load it into the gun barrel; on a catastrophic failure, the GM may rule that this has happened (causing 2d6 damage to the gunner's right arm, and requiring 6 phases to clear). This does not happen on the Rapira-3, since it does not have an autoloader.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
125mm Russian	2	470	APFSDS	28	124/108/92/59	Nil
	2	470	APFSDSDU	28	155/135/115/74	Nil
	2	350	HE	C27 B35	12C	Nil
	2	350	HEAT	C18 B25	118C	Nil

125mm Low-Pressure

This is a gun found on the Russian 2S25 light airborne tank. It fires the same round as the 125mm Russian gun, but with a reduced powder charge to compensate for the lighter carriage on the vehicle. This affects range and hitting power.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
125mm Low-Pressure	2	365	APFSDS	25	112/97/83/53	Nil
	1	365	APFSDSDU	25	140/122/104/67	Nil
	1	270	HE	C27 B35	12C	Nil
	1	270	HEAT	C18 B25	118C	Nil

135mm Russian

This Russian cannon is so far found only on the newest Russian tank, the T-95. It is a hard-hitting gun with better performance than the Russian 125mm, and it introduces a new fuel-air explosive round to the Russian arsenal, normally used against light vehicle

columns.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
135mm Russian	2	530	APFSDS	30	138/120/102/66	Nil
	2	530	APFSDSDU	30	173/150/128/83	Nil
	2	400	FAE	C72 B40	78C	Nil
	2	400	HE	C36 B40	13C	Nil
	2	400	HEAT	C24 B30	155C	Nil

140mm NATO

This is the next generation of Western tank guns, installed on such vehicles as the Leopard 2-140 and Merkava 4. Ammunition for this weapon was always scarce during the Twilight War, as so few vehicles used it, and little was made. However, its performance was rewarding.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
140mm NATO	2	570	APFSDS	31	182/158/135/87	Nil
	2	570	APFSDSDU	31	228/198/168/109	Nil
	2	430	HE	C39 B45	14C	Nil
	2	430	HEAT	C26 B30	161C	Nil
	2	430	WP	C3 B40	Nil	Nil

142mm Demolition Gun

This is a gun fitted to the French AMX-30 EBG combat engineer vehicle, used to destroy fortifications and obstacles. It has a secondary use of blowing mines in place. It fires only one type of round.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
142mm Demo Gun	1	190	HESH	C30 B40	86C	Nil

152mm Gun/Missile Launcher

This unusual weapon is found only on the Sheridan airborne combat vehicle (though in the 1960s and 1970s it was also found on the M60A2 tank). It recoil is so violent for such a light tank that the firing of any conventional gun round (but not the Shillelagh missile) that there is a 2 in 10 chance on each firing that the rangefinder takes minor damage. This gun can also fire the Shillelagh ATGM through its gun tube (see US ATGMs).

Weapon	Reload	Range	Round	Damage	Penetration	IFR
152mm G/ML	1	95	APERS	20x40D	1-Nil	Nil
	1	190	HE	C35 B40	16C	Nil
	1	190	HEAT	C23 B25	115C	Nil
	1	190	WP	C3 B45	Nil	Nil

165mm Demolition Gun

This is a gun mounted on the US M728 and British Chieftain AVRE combat engineer vehicles. It is the same concept as the French 142mm Demolition Gun listed above, but in a larger form.

Weapon	Reload	Range	Round	Damage	Penetration	IFR
165mm Demo Gun	1	210	HESH	C48 B50	126C	Nil