

Rifle Grenades

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FN Telgren Pass-Thru Grenade

Notes: This 37mm rifle grenade folds for easier storage and transport. The grenade is extended for firing; when it is fired, the grenade again folds up and this action arms the grenade. The Telgren also uses a pass-thru firing mechanism instead of BTU; the bullet passes completely through the grenade (but is too inaccurate afterward to hit anything). This grenade is only 190mm long when folded.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
FN Telgren	HE	0.3 kg	\$11	C4 B10	3C	1	25	400

Mecar BTU Grenades

Notes: These are similar to standard BTU grenades, but a greater variety is available. HE Delay can penetrate light walls or dense vegetation before its warhead explodes. The Stun and Antiriot warheads cause non-lethal damage only.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
Mecar BTU	Antiriot	0.4 kg	\$9	15*	Nil	Nil	15	Nil
	HEAT	0.4 kg	\$9	C7 B12	32C	4	25	400
	HE Blast	0.4 kg	\$9	C10 B8	3C	8	16	250
	HE Delay	0.32 kg	\$12	C5 B18	5C	2	16	250
	HEDP	0.44 kg	\$9	C5 B15	12C	2	16	250
	HE FRAG	0.4 kg	\$9	C7 B14	3C	4	16	250
	HE-LR	0.8 kg	\$17	C6 B20	3C	3	45	700
	ILLUM	0.4 kg	\$9	C1 (B200)	Nil	0.1	16	250
	ILLUM-LR	0.8 kg	\$17	C1 (B300)	Nil	0.1	30	500
	Irritant Gas	0.4 kg	\$9	C1 (B10)	Nil	0.1	25	400
	Smoke	0.4 kg	\$9	C1 (B10)	Nil	0.1	16	250
	Stun	0.4 kg	\$9	C5*	Nil	2	25	400
	WP	0.4 kg	\$9	C2 B6	Nil	0.3	25	285
	WP-LR	0.8 kg	\$17	C2 B20	Nil	0.3	45	700

Type 67

This is one of the standard Chinese rifle grenades, issued in large numbers to its troops and offered for export. It is designed to be launched from unmodified AK-series weapons or the Type 81 rifle series, and uses a ballistite cartridge. It is a large grenade, and has good effectiveness against armor.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
Type 67	HEAT	0.79 kg	\$19	C7 B10	51C	93	50	300

Type 76

This is a newer Chinese rifle grenade. It is much lighter than the Type 67, but has similar effectiveness. It is designed for firing from unmodified AK-series or Type 81 rifles, and requires a ballistite cartridge.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
Type 76	HEAT	0.56 kg	\$13	C7 B10	52C	95	70	350

Luchaire Rifle Grenades

Notes: These French-built grenades are designed specifically for use with the FA-MAS assault rifle, but can be used with other assault or battle rifles. They function as BTU grenades only if used on a 5.56mm NATO-firing weapon; on other weapons, a ballistite cartridge is required. These weapons are the standard short-range antiarmor weapon of French troops, and their 58mm warheads pack a decent punch.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
Luchaire Rifle Grenade	HEAT	0.5 kg	\$30	C6 B8	70C	3	25	300
	HEDP	0.5 kg	\$30	C6 B16	14C	3	25	300
	ILLUM	0.5 kg	\$30	C1 (B16)	Nil	0.1	25	300
	Smoke	0.5 kg	\$30	C1 (B240)	Nil	0.1	25	300

Super Energa RFL-75

Notes: The RFL-75 is a big 75mm rocket-assisted rifle grenade, which can be fired from any rifle of 5.56mm NATO or larger. It is fired using a special ballistite cartridge (provided in the case of grenades). In addition to its armor-piercing qualities, the RFL-75 has a DP of 100 for use against fortifications.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
RFL-75	HEAT	0.77 kg	\$25	C7 B12	55C	100	50	550

BTU Rifle Grenades

Notes: These are representative of a new generation of rifle grenades known broadly as BTU (Bullet Trap Universal) grenades. Smoke grenades come in white, black, or colored smoke. The ILLUM grenade uses the basic WP body, but fires a 60000-candlepower parachute flare. The rocket-assisted grenade is designed for more punch and to allow longer-range shots. They require no special adapters and can be fired using regular service ammunition.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
BTU Rifle Grenade	HE	0.4 kg	\$8	C6 B10	2C	1	30	200
	HEAT	0.4 kg	\$8	C4 B6	20C	1	30	200
	ILLUM	0.42 kg	\$8	C1 (B230)	Nil	0.1	50	200
	Rocket-Assisted HEAT	0.78 kg	\$15	C6 B8	30C	3	50	325
	Smoke	0.42 kg	\$8	C1 (B10)	Nil	0.1	50	200
	WP	0.4 kg	\$8	C1 B6	Nil	0.1	50	200

HAFLA-35L

Notes: The HAFLA (short for HAndFLAmmpatronen--"hand flame cartridge") is a single-shot, disposable flame weapon developed for use in the German Army. Since it produces fragments rather than a solid cloud of flame, damage is handled as a WP grenade (though the filler is actually Red Phosphorus). The HAFLA is not fired from rifles, but is instead its own unit.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
HAFLA-35L	RP	0.6 kg	\$150	C2 B12	Nil	0.3	20	Nil

HC DM-15

Notes: This is a German-made 76mm rifle grenade that produces an unusually dense smoke cloud. The smoke from the DM-15 lasts 5 complete turns (150 seconds) and is instantly dense. The DM can be hand-thrown like a stick grenade if necessary.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
HC DM-15	HC Smoke	1.2 kg	\$20	C1 (B20)	Nil	0.1	18	200

SGG Rifle Grenades

Notes: Though these grenades are German-made, they have found use primarily in Africa and the Far East. They are composed of hand grenades wired and modified for use as rifle grenades. They can be used only with 5.56N or 7.62N ammunition.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
SGG 84	FRAG	0.64 kg	\$10	C3 B12	Nil	1	16	135
SGG 85	FRAG	0.5 kg	\$8	C2 B8	Nil	0.3	30	250
SGG 85 w/booster	FRAG	0.7 kg	\$10	C2 B8	Nil	0.3	35	275
SGG 86	FRAG	0.3 kg	\$8	C1 B4	Nil	0.1	45	380
SGG 86 w/booster	FRAG	0.5 kg	\$10	C1 B4	Nil	0.1	50	405

IMI BT Rifle Grenades

Notes: These are the Israeli rifle grenades upon which the US grenades were based. A greater variety are available, including riot-control grenades which have seen much use in places such as the West Bank, Gaza Strip, and Golan Heights. The M-809 fires a 90mm rubber head that also squirts irritant liquid. The other antiriot grenades break up into rubber pellets (similar to buckshot, but causing nonlethal damage only.) They are BTU grenades and include a flip-up sight which falls off when the grenade is fired.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
BT/AP 30	APERS	0.49 kg	\$8	C4 B4	2C	1	34	350
BT/AP 65	APERS	0.63 kg	\$8	C8 B8	3C	5	24	250
BT/AP 67	APERS	0.64 kg	\$14	C9 B12	5C	6	22	240
BT/AT 52	HEAT	0.51 kg	\$8	C7 B8	30C	4	30	320
BT/AP-AT	HEDP	0.66 kg	\$11	C8 B20	17C	5	20	220
BT/AP-AT 39	HEDP	0.52 kg	\$10	C5 B12	28C	2	32	340
BT/MA/RA 76	Rubber Ball	0.5 kg	\$9	15	Nil	Nil	15 (Min 10)	Nil
BT/MA/RA 78	Rubber Ball	0.5 kg	\$9	9	Nil	Nil	18 (Min 15)	Nil
BT/MA/RA 81	Rubber Ball	0.5 kg	\$9	9	Nil	Nil	20 (Min 15)	Nil
BT/Low-Velocity	Rubber Ball	0.5 kg	\$9	6	Nil	Nil	4	Nil
BT/M809	Rubber/Irritant	0.5 kg	\$20	15 (B2)	Nil	Nil	24	150

Dezamet Rifle Grenades

Notes: In the Warsaw Pact, only Poland, Hungary, and Italy issued rifle grenades to regular troops. The Dezamet grenades were the newer type issued to Polish and Hungarian troops. They are designed to be launched from AK-47 and AKM-type rifles without modification, and use ballistite cartridges for launching. There are four types, for different uses.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
GNPO	HEAT	0.46 kg	\$7	C4 B6	20C	1	36	240
NGD	Smoke	0.6 kg	\$9	C1 (B14)	Nil	0.1	50	200
NGOs	ILLUM	0.49 kg	\$7	C1 (B270)	Nil	0.1	40	150
NGZ	WP	0.6 kg	\$9	C2 B9	Nil	0.2	50	200

Polish Rifle Grenades

Notes: These are older Polish rifle grenades also issued to Hungarian troops. They are of post-World War 2 vintage, and require both a ballistite cartridge and an AK-47 or AKM with a special adapter or an AMD-65 to launch them. There are two types, one for antiarmor work and one for antipersonnel uses. The F-1/N60 antipersonnel grenade is little more than a Russian F-1 fragmentation grenade with an adapter to allow it to be fired.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
F-1/N60	Fragmentation	0.63 kg	\$9	C3 B12	Nil	1	40	160
PGN-60	HEAT	0.58 kg	\$9	C5 B8	25C	1	50	200

R1-M1

Notes: This is a South African rocket-assisted rifle grenade popular with mercenary units. Armscor had stopped producing it by 1994, but production began again in 1996 for South African forces. The weapon is a HEAT grenade based on the French Super Energa RFL-75, being slightly lighter and more effective. It may be fired from any assault or battle rifle (and some submachineguns and automatic rifles) of 7.62mm NATO size.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
R1-M1	HEAT	0.72 kg	\$23	C8 B14	60C	110	75	375

Swatklip BT Rifle Grenades

Notes: These are modern Bullet Trap rifle grenades produced by South Africa for the SADF and export. Two types are produced (or three, if you count the practice version): an antipersonnel version and an antiarmor/dual-purpose version. They can be fired using almost all types of ammunition except AP or SLAP rounds; if one of those types of rounds is used, the bullet will pass through the body of the grenade without arming the grenade. They can be fired from any weapon capable of using rifle grenades.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
Swatklip HE/AP	HE	0.5 kg	\$10	C3 B12	Nil	2	50	250
Swartkilp HE/DP	HEDP	0.63 kg	\$13	C4 B15	30C	6	40	210

P-31

Notes: This is a Spanish-built rifle grenade that requires a special ballistite cartridge. It is a typical rifle grenade in almost every way, but in a pinch the warhead section (0.3kg) can be detached and thrown as a hand grenade. Unscrewing the tail requires 1 phase (5 seconds).

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
P-31	Concussion	0.47 kg	\$9	C5 B2	Nil	2	25	205
	FRAG	0.47 kg	\$9	C2 B10	Nil	0.3	25	205

M-31 Rifle Grenades

Notes: This is a WW II vintage rifle grenade developed in a vain attempt to give every infantryman the ability to deal with armored vehicles. It requires special adapters on the rifle and a special ballistite cartridge. It is obsolete in most countries but can be found in service with other armies. Weight 0.7kg, 12kg per case of 10; Price \$12, \$100 (R/-)

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
M-31	HEAT	0.7 kg	\$12	C8 B12	30C	5	30	200

RAAM

Notes: RAAM stands for Rifle-launched Anti-Armor Muniton. It is a bullet-trap rifle grenade with a high-efficiency HEAT warhead using advanced principles. It may be fired from any 5.56mm NATO or 5.56mm Duplex-firing rifle or carbine using an expendable plastic adaptor. Preparing the rifle grenade for use requires 1 phase (5 seconds). It is a rocket-boosted grenade, but the rocket does not fire until the weapon has traveled 10 meters, and there is no danger from backblast.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
RAAM	HEAT	1.65 kg	\$105	C4 B10	80C	5	60	1200

RAW 140mm

Notes: The RAW (Rifleman's Assault Weapon) is a rocket-propelled, massive rifle grenade that can be fired from any assault rifle firing 5.56mm NATO, as well as from 5.56mm NATO submachineguns (except the M231 or LaFrance M16K). The RAW can be carried mounted on the weapon and the weapon can be fired normally until the firer wishes to actually fire the RAW.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
RAW	Irritant Gas	3 kg	\$100	C1 (B48)	Nil	0.1	100	2000
	FRAG	3 kg	\$50	C2 B40	Nil	0.3	100	2000
	HE	3 kg	\$50	C10 B28	1C	8	100	2000
	HEAT	3 kg	\$100	C8 B20	75C	5	100	2000
	WP	3 kg	\$100	C3 B36	Nil	1	100	2000
	Poison Gas	3 kg	\$200	C1 (B48)	Nil	0.1	100	2000

US Rifle Grenades

Notes: Copied from Israeli grenades, these grenades were adopted by the US Marines in the early 1990s but were never formally approved for service by any other branch of the US military. Despite this, they were used by some formations in Europe and Iran. They require no special adapters and no special ammunition.

Weapon	Type	Weight	Price	Damage	Penetration	DPV	Range	IFR
US Rifle Grenade	HE	0.5 kg	\$9	C8 B8	2C	5	24	200
	HEAT	0.5 kg	\$9	C7 B8	20C	4	24	200
	WP	0.5 kg	\$9	C1 B12	Nil	0.1	36	200