

**3331-Pound Fragmentation**

Weapon	Difficulty	Guidance	Weight	Price
1-Pound Fragmentation	Difficult	None	0.45 kg	\$4

Weapon	Round	Min Range	Damage	Pen
1-Pound Fragmentation	FRAG-HE	20	C0 B6	None

**2-Pound Fragmentation/DP**

Weapon	Difficulty	Guidance	Weight	Price
2-Pound Fragmentation/DP	Difficult	None	0.91 kg	\$14

Weapon	Round	Min Range	Damage	Pen
2-Pound Fragmentation/DP	Frag-HEAT	20	C1 B13	14C

**4-Pound Bomb**

Weapon	Difficulty	Guidance	Weight	Price
4-Pound Fragmentation	Difficult	None	1.82 kg	\$9
4-Pound Incendiary	Difficult	None	1.82 kg	\$18

Weapon	Round	Min Range	Damage	Pen
4-Pound Fragmentation	HE-FRAG	20	C1 B14	None
4-Pound Incendiary	WP-Napalm	20	C2 B5	None

**20-Pound Fragmentation**

Weapon	Difficulty	Guidance	Weight	Price
20-Pound Fragmentation	Difficult	None	9.1 kg	\$45

Weapon	Round	Min Range	Damage	Pen
20-Pound Fragmentation	FRAG-HE	20	C1 B16	None

**40-Pound Incendiary**

Weapon	Difficulty	Guidance	Weight	Price
40-Pound Incendiary	Difficult	None	18 kg	\$90

Weapon	Round	Min Range	Damage	Pen
40-Pound Fragmentation	WP-Napalm	20	C2 B8	None

**20-Pound Viper Strike**

Weapon	Difficulty	Guidance	Weight	Price
40-Pound Viper Strike	Easy	GPS/INS	20 kg	\$90

Weapon	Round	Min Range	Damage	Pen
40-Pound Viper Strike	HEAT	40	C36 B50	81C

### 90-Pound Fragmentation

Weapon	Difficulty	Guidance	Weight	Price
90-Pound Fragmentation	Difficult	None	41 kg	\$200

Weapon	Round	Min Range	Damage	Pen
90-Pound Fragmentation	HE-FRAG	20	C2 B19	None

**250-Pound Bomb:** Weight: 114 kg; Price: \$900

Weapon	Difficulty	Guidance	Weight	Price
250-Pound Fire	Difficult	None	113 kg	\$1120
250-Pound GP	Difficult	None	113 kg	\$560
260-Pound Fragmentation	Difficult	None	117 kg	\$590

Weapon	Round	Min Range	Damage	Pen
250-Pound Fire	Napalm	10	C2 B10	None
250-Pound GP	HE	20	C1 B10	None
260-Pound Fragmentation	HE-FRAG	20	C1 B13	None

### 250-Pound SDB (Small Diameter Bomb)

Notes: The SDB was designed to allow aircraft to use smaller, more-accurate ordnance to make surgical strikes on targets while jeopardizing as little innocent life as possible. The SDB has a fire control bonus of +4, even if the releasing aircraft has a lesser fire control bonus. In general, only US-aligned aircraft use the SDB, for now anyway. They are normally carried on an MER formed when an adapter is attached to a 2000-pound (907-kilogram) bomb rack, and up to four may be carried on such a rack. Of course, more adapters on larger racks may be used, or smaller numbers of SDBs on smaller racks (or in singles, as on UAVs).

When released and clear of the aircraft, the SDB pops out triangular wings sets pop out and enable gliding of up to 110 kilometers when dropped at an altitude of at least 4500 meters. (Get your trig ready to figure out drops from lower altitudes!). The base SDB (GBU-39/B) uses GPS/INS guidance to achieve a CEP of 5-8 meters. Link 16 on the dropping aircraft or the equivalent are required to properly use the SDB; without this, the SDB is simply a small and somewhat inaccurate, ordinary bomb, with -2 to hit and becomes one level harder, unless the aircraft has a GPS receiver.

The SDB FLM Focused Lethality Munition (GBU-39A/B) is essentially the same bomb at its base, but replaces the steel fragmentation jacket with a frangible composite jacket to further minimize unintended casualties, especially in urban warfare.

The Laser SDB (GBU-39B/B) is essentially the same as a GBU-39B, but has a further laser seeker in the nose which allows it to be used in a high-EW environment or against a moving target. Note that the Laser SDB is still unable to hit targets in zero or near-zero visibility, and can hit targets moving at a maximum speed of 80 kilometers per hour if the pilot wants to hit at normal chances. (1.5 times that speed is Average, 2 times that speed is Difficult, 2.5 times that speed is Impossible, and all other speeds are Very Impossible.) The Laser SDB appeared on the scene at about the same time as the SDB II Stormbreaker, but is still used by the Air Force and Navy as it is less expensive than the Stormbreaker. The Laser SDB can also be used against maritime targets.

Some other versions of the SDB are being experimented with. The SDB HOG-J (Home-on-GPS Jam) uses electronics from an AGM-88 HARM missile; the bomb homes in on the enemy jamming signal, then uses its GPS guidance module to further localize the emitter and destroy it.

The SDB is being tested with Scientific Systems' ImageNav technology, which gives the SDB a TERCOM-type guidance and the ability to match targets, even those moving, with the ImageNav technology to increase CEP to as little as 3 meters.

The SDB AW (Alternative Warhead) is a derivation of the M270's GMLRS AW warhead to produce a SADARM-type warhead, yet leave only inert components behind when the individual projectiles do not find a target. The SDB AW carries eight SADARM warheads, which hit on a d20 roll of 16.

The SDB II, now renamed as the Stormbreaker, (GBU-53/B) is somewhat smaller than the SDB I, and is optimized for use against light armor and soft-skinned vehicles. Furthermore, it's guidance system is designed for tracking and attacking moving vehicles, and can also be used against maritime targets. The Stormbreaker uses GPS/INS to guide itself into the general vicinity of the target, with course correction updates using the aircraft's Link 16 system over UHF radio. For terminal guidance, the Stormbreaker switches to

millimetric radar and IR. The Stormbreaker also carries a database of vehicles and targets loaded into it shortly before dropping using the aircraft's Link 16 system. The Stormbreaker can be used by aircraft that do not have Link 16 or its equivalent (for NATO and other allied countries), but this essentially requires that the Stormbreaker guide itself, and such use is at -2 to hit and becomes one level harder. As stated, the Stormbreaker is optimized for antivehicle use, and has a HEAT warhead with a steel penetration nose.

Weapon	Difficulty	Guidance	Weight	Price
GBU-39/B	Easy	GPS/INS	110 kg	\$4300
GBU-39A/B	Easy	GPS/INS	110 kg	\$4300
GBU-39B/B	Easy	GPS/INS/Laser	111.5 kg	\$4790
GBU-39 HOG-J	Easy	ARM	113 kg	\$4300
GBU-39 ImageNav	Easy	TERCOM	113 kg	\$7800
GBU-39 AW	Easy	GPS/INS	110 kg	\$5240
GBU-54/B	Easy	GPS/INS/Radar-IR	93 kg	\$7880

Weapon	Round	Min Range	Damage	Pen
GBU-39/B & GBU-39B/B	KEP/HE-FRAG	50	C54 B106	7C/28C
GBU-39A/B	KEP/HE-FRAG	50	C54 B21	7C/28C
GBU-39 HOG-J	HE-FRAG	50	C36 B106	11C
GBU-39 ImageNav	KEP/HE-FRAG	75	C54 B106	7C/28C
GBU-39 AW	SADARM	50	(B45)	33C-TA (Submunition)
GBU-53/B	KEP/HEAT	30	C43 B65	50C/209C

falls forward). However, the fall rate and fall path can be steepened or turned by pre-launch commands or by the launching aircraft. It can also pull back up to its normal fall rate (essentially, performing defensive maneuvers or adjusting to better hit the target,) for every 10m it

### 500-Pound Bomb

MCM: 61 light antitank and 16 AP. Density 0.007

Weapon	Difficulty	Guidance	Weight	Price
500-Pound Fire	Difficult	None	216 kg	\$2160
500-Pound GP	Difficult	None	216 kg	\$1080
500-Pound Incendiary	Difficult	None	212 kg	\$2120
500-Pound SAP	Difficult	None	216 kg	\$1635
500-Pound FAE	Difficult	None	227 kg	\$2280
500-Pound Fragmentation	Difficult	None	227 kg	\$1140
500-Pound Mine Cluster Munition	Difficult	None	227 kg	\$6840

Weapon	Round	Min Range	Damage	Pen
500-Pound Fire	Napalm	10	C1 B120	None
500-Pound GP	HE	20	C145 B85	27C
500-Pound Incendiary	WP	20	C1 B28	None
500-Pound SAP	KEP-HE	20	C30 B28	91C
500-Pound FAE	FAE	20	B157 B22	26C
500-Pound Fragmentation	HE-FRAG	20	C232 B107	20C
500-Pound Mine Cluster Munition	ICM-DP (Minelets)	20	B363	15C (Minelet)

**750-Pound Bomb** Contains 72 light antitank and 22 antipersonnel mines, such as the US Gator or the Polish MN-111 and MN-121. This munition lays a minefield with a density of 0.01. Weight: 322 kg; Price: \$2300

Weapon	Difficulty	Guidance	Weight	Price
700-Pound Mine	Difficult	None	322 kg	\$9660

Cluster Munition				
750-Pound Chemical	Difficult	None	322 kg	\$1610
750-Pound Chaff	Difficult	None	322 kg	\$3220
750-Pound Fire	Difficult	None	322 kg	\$3220
760-Pound GP	Difficult	None	322 kg	\$1610
750-Pound Leaflet	Difficult	None	322 kg	\$1610
750-Pound Cluster Bomb Unit	Difficult	None	322 kg	\$9660
750-Pound Incendiary	Difficult	None	322 kg	\$3220

Weapon	Round	Min Range	Damage	Pen
700-Pound Mine Cluster Munition	ICM-DP (Minelets)	20	B523	21C (Minelet)
750-Pound Chemical	CHEM	20	C3 B60	None
750-Pound Chaff	Chaff	20	C2 B60	None
750-Pound Fire	Napalm	20	C12 B230	None
760-Pound GP	HE	20	C168 B92	28C
750-Pound Leaflet	Leaflet	20	(B210)	None (10,000 Leaflets)
750-Pound Cluster Bomb Unit	Submunition	40	B210	Submunition
750-Pound Incendiary	WP	20	C2 B64	None

### 800-Pound Bomb

Weapon	Difficulty	Guidance	Weight	Price
800-Pound AP	Difficult	None	365 kg	\$2745
800-Pound Incendiary	Difficult	None	365 kg	\$3660

Weapon	Round	Min Range	Damage	Pen
800-Pound AP	Armor-Piercing/HE	20	C33 B29	371
800-Pound Incendiary	WP	20	C2 B96	None

1000-Pound FAE: Weight: 455 kg; Price: \$4000

Weapon	Difficulty	Guidance	Weight	Price
1000-Pound AP	Difficult	None	455 kg	\$2745
1000-Pound Chemical	Difficult	None	425 kg	\$2270
1000-Pound Fire	Difficult	None	414 kg	\$2270
1000-Pound GP	Difficult	None	447 kg	\$2770
1000-Pound FAE	Difficult	None	455 kg	\$3405
1000-Pound Sensor-Fused Weapon	Difficult	None	420 kg	\$22700
1000-Pound Semi-Armor Piercing	Difficult	None	481 kg	\$5100

Weapon	Round	Min Range	Damage	Pen
1000-Pound AP	Armor-Piercing/HE	20	C87 B65	428
1000-Pound Chemical	CHEM	20	C2 B260	None
1000-Pound Fire	Napalm	20	C124 B450	None
1000-Pound GP	HE	20	C127 B80	46C
1000-Pound FAE	FAE	20	C253 B80	23C
1000-Pound Sensor-Fused Weapon	SADARM	50	B160	Submunition
1000-Pound Semi-Armor Piercing	KEP-HE	20	C82 B90	54C

**1000-Pound SFW (Sensor-Fused Weapon):** This US weapon is cluster weapon containing 10 submunitions. Each submunition contains a further 4 Skeet smart top-attack munitions, each with an explosively formed penetrators, similar to the SADARM howitzer round. These projectiles are released over the burst area on parachutes, each seeking the nearest target via an infrared sensor. When they sense a target, they fire as if a Tac Missile with a hit roll of 13. If no targets are sensed, the munitions descend to the ground and explode. Weight: 420 kg; Price: \$6500

**2000-Pound CBU:** Weight: 908 kg; Price: \$3600

### 2000-Pound Bomb

Weapon	Difficulty	Guidance	Weight	Price
2000-Pound GP	Difficult	None	900 kg	\$2270
2000-Pound Penetrator	Difficult	None	900 kg	\$3660
2000-Pound Semi-Armor Piercing	Difficult	None	925 kg	\$6100
2000-Pound Cluster Bomb Unit	Difficult	None	900 kg	

Weapon	Round	Min Range	Damage	Pen
2000-Pound GP	HE	20	C216 B105	48C
2000-Pound Penetrator	KEP-HE	20	C216 B105	63C
2000-Pound Semi-Armor Piercing	KEP-HE	20	C114 B54	64C
2000-Pound Cluster Bomb Unit	DPICM	40	B283	Submunition

**3000-Pound GP:** Weight: (Gravity) 1364 kg, (Smart) 1500 kg; Price: (Gravity) \$3500 , (Smart, Laser) \$7000 , (Smart, TV FF) \$8800

Weapon	Difficulty	Guidance	Weight	Price
3000-Pound GP	Difficult	None	1429 kg	\$7150

Weapon	Round	Min Range	Damage	Pen
3000-Pound GP	HE	20	C376 B138	85C

**5000-Pound GP:** Weight: (Gravity) 2268 kg, (Smart) 2495 kg; Price: (Gravity) \$8000 , (Smart, Laser) \$16000 (Smart, TV FF) \$20000

Weapon	Difficulty	Guidance	Weight	Price
5000-Pound GP	Difficult	None	2258 kg	\$7150
5000-Pound AP	Difficult	None	2258 kg	

Weapon	Round	Min Range	Damage	Pen
5000-Pound GP	HE	20	C376 B138	85C
5000-Pound AP	KEP-HE	30	C248 B225	365C

**15000-Pound Blast:** Droppable only from cargo aircraft.

Weapon	Difficulty	Guidance	Weight	Price
15000-Pound Blast	Difficult	None	6300 kg	\$7150

Weapon	Round	Min Range	Damage	Pen
15000-Pound Blast	GSK Slurry	400	C2160 B536	86C