

# New Weaponry

for

# GODLIKE

by Col in Chapman, © 2002

## Contents

<b>Weaponry of Britain</b>	<b>2</b>
<b>Weaponry of France</b>	<b>4</b>
<b>Weaponry of Germany</b>	<b>7</b>
<b>Weaponry of Italy</b>	<b>10</b>
<b>Weaponry of Japan</b>	<b>13</b>
<b>Weaponry of the Soviet Union</b>	<b>14</b>
<b>Weaponry of the United States</b>	<b>16</b>

# Weaponry of Britain

## British Cartridge & Shell Ratings Table

Cartridge	Extra Damage*/Penetration/Area Damage
0.55 Inch (13.97mm)	+2/1/0

## British Anti-Tank Rifles

The Boys anti-tank rifle was moderately effective at the onset of the War, but was disliked due to its savage recoil. It was quickly replaced by the PIAT.

Weapon	Penetration/Area Rating	Ammo	Weight (lbs.)	Range (yds.) Close/Max
Boys Mk I	1/0	0.55in.	36	50/330

## British Grenades

The primary British grenade, the "Mills", was almost identical in all ways to the standard "Pineapple" of the US, while other British grenades were more specialized. The No. 69 was a blast and shock grenade, with almost no fragments, intended to stun victims, while the "Hawkins" was an anti-tank mine designed to be thrown and blow with crushing pressure. The "Gammon" bomb was a widely produced "Do It Yourself" grenade used by British paratroops, consisting of a cloth bag and attached fuse, into which .5-2 sticks of plastic explosive could be placed, depending on the explosive force required.

Weapon	Pen./Area Rating	Weight (lbs.)	Range (yds.) Close/Max
No. 36 Mk I "Mills"	2/3	1.1	15/30
No. 69 Offensive	0/2	.9	15/30
No. 75 "Hawkins"	5/6	2.2	15/30
No. 82 "Gammon"	varies	varies	varies

## British Artillery

Britain had a great fondness for artillery, and produced a wide range of field guns, many for anti-tank use.

Weapon	Slow/Pen./Area Rating	Ammo	Range (yds.) Close/Max
Ordnance QF 2-pdr field gun	1/6/3+Burn	1.575in. (40mm)	100/1,200
Ordnance QF 6-pdr field gun	1/7/4+Burn	2.244in. (57mm)	150/8,000
Ordnance QF 17-pdr field gun	1/9/5+Burn	2.99in. (76mm)	200/10,500

## British Self-Propelled Guns

The Bishop, unlike most other self-propelled guns, was turreted, but its restricted elevation, and poor ventilation, made it an unpopular vehicle. As a result, it was soon discarded in favor of the American M7 "Priest".

### Bishop

**Armor Ranges:** 6 to .8 cm **Heavy Armor Rating:** 6 to 1

**Guns:** QF 25-pdr artillery gun

**Maximum Speed:** 15 mph

**# of Crew:** 4

**Weight:** 8.72 Tons

## British Amphibious Vehicles

Despite being slow, open, and prone to swamping in rough water, the Terrapin was used extensively, and gave good service.

### Terrapin

**No Armor or Guns**

**Maximum Speed:** 15 mph (5 mph in water)      **# of Crew:** 1

**Passengers:** 5 Troops

**Weight:** 7.9 Tons

## British Light Vehicles

### AEC Matador 4x4 Artillery Tractor

**No Armor or Guns**

**Maximum Speed:** 36 mph **# of Crew:** 1

**Passengers:** 5 Troops

**Weight:** 7.9 Tons

## British Motorcycles

British motorcycle manufacturers were heavily involved in weapon production, but provided a variety of motorcycles to the military, for use as light transport and dispatch, by far the most common of which was the BSA M20. Perhaps the most unusual motorcycle was the Welbike, a folding motorcycle weighing a mere 21lb. and was designed to be parachute-dropped in canisters, providing British parachute troops with transportation.

### BSA M20

**No Armor or Guns**

**Maximum Speed:** 60 mph **# of Crew:** 1

**Passengers:** None.

**Weight:** 292 lb.

### Welbike Folding Parabike

**No Armor or Guns**

**Maximum Speed:** 30 mph **# of Crew:** 1

**Passengers:** None.

**Weight:** 21 lb.

## Weaponry of France

France was inadequately prepared for war, and many of its weapons were obsolete or underpowered. However, this didn't deter the victorious German forces from making extensive use of French weaponry throughout the War, nor did it stop the fascistic Vichy regime from continuing to use and produce these weapons.

### French Cartridge & Shell Ratings Table

Cartridge	Extra Damage*/Penetration/Area Damage
7.5mm	0/0/0
7.65mm	0/0/0
8mm	0/0/0
25mm	+2/2/2
37mm (1.46 Inch)	+2/4/3
47mm (1.85 Inch)	+2/6/3+Burn
75mm	+3/7/6+Burn
105mm	+8/8/8+Burn

### French Pistols

Although the MAS mle 1935S was the French Army's primary sidearm, the Spanish-made Gabilondo Ruby was also ordered and used in significant quantities.

Weapon	Ammo	Cap	Weight	Range (yds.)
			(lbs.)	Close/Max
Gabilondo Ruby	7.65mm	9	1.8	18/36
MAS mle 1935S	7.65mm	8	1.75	18/36

### French Rifles

Due to national lethargy following the aftermath of the Great War, the French were slow to introduce new weapons, and instead focused on updating older ones, with mixed results. Even the new MAS36, more accurate than the older French rifles, was still an outdated bolt-action design.

Weapon	Slow	Ammo	Cap	Weight	Range (yds.)
				(lbs.)	Close/Max
Berthier 1907/15 M34	1	7.5mm	5	7.9	350/2,000
Fusil MAS36	1	7.5mm	5	8.1	300/1,800
Lebel mle 1886/93	1	8mm	8	9.4	250/1,600

### French Sub Machineguns

The MAS 38 was a remarkably accurate and rugged sub machinegun, but suffered in that its unique ammunition and complex nature made it costly to produce. It was only slowly introduced, in small numbers, for even though it was a fine weapon, the French military had no enthusiasm for sub machineguns.

Weapon	Spray	Ammo	Cap	Weight	Range (yds.)
				(lbs.)	Close/Max
MAS 38	3	7.65mm	32	7.4	25/110

## French Machineguns

Crippled by ranges much shorter than other contemporary machineguns, and relatively underpowered ammunition, French machineguns also suffered from clogging and jamming.

Weapon	Spray	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
Mitrailleur 1924/29	2	7.5mm	25	19.7	120/600
Mitrailleuse 1931	4	7.5mm	150	26	150/1,000
Hotchkiss M1914	2	8mm	30	51.9	200/2,160

## French Mortars

Although the Mortier Brandt was a rudimentary mortar, it proved itself to be tough and serviceable.

Weapon	Slow/Pen./Area Rating	Weight (lbs.)	Range (yds.) Close/Max
Mortier Brandt 81mm	2/6/6	131.6	100/2,080

## French Artillery

French artillery was rugged, reliable, and accurate, and the Germans were only too happy to make use of it.

Weapon	Slow/Pen./Area Rating	Ammo	Range (yds.) Close/Max
Canon 75 mle 1897	2/7/6+Burn	75mm	300/12,140
Canon 105 mle 1913	2/8/8+Burn	105mm	275/13,130
Canon 105 mle 1935B	1/8/8+Burn	105mm	200/11,270
Canon 75mm aeronefs 1932	1/7/6+Burn	75mm	350/8,748
Hotchkiss modele 38 Anti-Aircraft	1/2/2+Burn	25mm	100/3,281
Schneider modele 1930 Anti-Aircraft	1/4/3+Burn	37mm	100/3,281
Canon leger 25 antichar SA-L 1937	1/2/2+Burn	25mm	100/1,968

## French Tanks

French tanks were old-fashioned and slow, but surprisingly serviceable, although the internal layout often made it difficult for crewmembers to communicate effectively, and this caused problems of its own. The Char B1-bis, in particular, suffered from this problem, preventing it from being as devastating as it could have been.

### Hotchkiss H-39 Light Tank

**Armor Ranges:** 3.4 to 1.2cm **Heavy Armor Rating:** 3 to 1

**Guns:** 37mm cannon (Width +5 Killing, Area 3+Burn, Penetration 4,) and one Mitrailleuse 1931 machinegun (Width +2, Spray 4.)

**Maximum Speed:** 22 mph **# of Crew:** 2

**Weight:** 13.34 Tons

### Renault R35 Light Tank

**Armor Ranges:** 4 to 1.8cm **Heavy Armor Rating:** 4 to 2

**Guns:** 37mm cannon (Width +5 Killing, Area 3+Burn, Penetration 4,) and one Mitrailleuse 1931 machinegun (Width +2, Spray 4.)

**Maximum Speed:** 12.5 mph **# of Crew:** 2

**Weight:** 12.13 Tons

### **SOMUA S-35 Medium Tank**

**Armor Ranges:** 5.5 to 2cm **Heavy Armor Rating:** 5 to 2

**Guns:** 47mm cannon (Width +5 Killing, Area 3+Burn, Penetration 6,) and one Mitrailleur 1931 machinegun (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 3

**Weight:** 21.5 Tons

### **Char B1-bis Heavy Tank**

**Armor Ranges:** 6.5 to 2cm **Heavy Armor Rating:**

**Guns:** 47mm cannon (Width +5 Killing, Area 3+Burn, Penetration 6,) and 75mm cannon (Width +7 Killing, Area 6+Burn, Penetration 7.)

**Maximum Speed:** 17.5 mph **# of Crew:** 4

**Weight:** 34.72 Tons

### **French Armored Cars and Half-Tracks**

The Panhard 178 was a sound, widely respected vehicle, whereas the various Citroën-Kegresse half-tracks were extremely basic but serviceable.

#### **Automitrailleur Panhard et Levassor Type 178 Armored Car**

**Armor Ranges:** 2.1 to .9cm **Heavy Armor Rating:** 2 to 1

**Guns:** One 25mm cannon (Width +5 Killing, Area 2, Penetration 2,) OR two Mitrailleur 1931 machineguns (Width +2, Spray 4.)

**Maximum Speed:** 45 mph **# of Crew:** 4

**Weight:** 9.37 Tons

#### **Citroën-Kegresse C6 P14 Half-Track**

**No Armor or Guns**

**Maximum Speed:** 15.5 mph **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 2.75 Tons

#### **Citroën-Kegresse C6 P19 Half-Track**

**No Armor or Guns**

**Maximum Speed:** 32 mph **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 2.56 Tons

### **French Motorcycles**

#### **Rene Gillet 750 Motorcycle and Sidecar**

**No Armor or Guns**

**Maximum Speed:** 53 mph **# of Crew:** 1

**Passengers:** 1 Troop

**Weight:** 660 lb.

# Weaponry of Germany

## German Assault Rifles

The Fallschirmjägergewehr 42 (FG 42) was designed exclusively for the Luftwaffe parachute troops, and was a remarkable weapon, incorporating many features found in modern assault rifles. Production was slow, however, with only 7,000 made.

Weapon	Spray Rating	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
FG 42	0/4	7.92mm	20	9.99	120/1000 or 25/200

## German Anti-Tank Rifles

Although German anti-tank rifles (*panzerbüchse*) proved somewhat effective in the initial stages of the War, they were soon phased out as tank armor became heavier, and the more effective anti-tank rockets were introduced.

Weapon	Penetration/Area Rating	Ammo	Weight (lbs.)	Range (yds.) Close/Max
PzB 38	2/0	7.92mm SmK (H)	35.71	50/328
PzB 39	2/0	7.92mm SmK (H)	27.78	50/328

## German Tanks

### PzKpfw I Light Tank

**Armor Ranges:** 1.3 to 0.7cm **Heavy Armor Rating:** 1 to 1

**Guns:** 20mm cannon (Width +2 Killing, Area 1, Penetration 2,) and one MG34 (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 2

**Weight:** 6.6 Tons

### SdKfz 265 kleiner Panzerbefehlswagen Command Tank

**Armor Ranges:** 1.3 to 0.7cm **Heavy Armor Rating:** 1 to 1

**Guns:** One MG34 (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 3

**Weight:** 5.8 Tons

## German Self-Propelled Guns

Always looking to increase mobility, the German military fielded many self-propelled guns, mobile artillery pieces based on the chassis of various tanks. Perhaps the most frightening of these weapons was the Sturmtyger, a heavily armored Tiger chassis fitted with a massive 38cm rocket projector, firing 761lb. rocket projectiles, and intended for urban combat use.

For statistics for the howitzers, see *Godlike* p. 267.

### SdKfz 138/1

**Armor Ranges:** 1.8 to 0 cm **Heavy Armor Rating:** 2 to 0

**Guns:** 15cm schwere Fh 18 howitzer

**Maximum Speed:** 22 mph **# of Crew:** 4

**Weight:** 12.7 Tons

### SdKfz 124 Wespe

**Armor Ranges:** 1.8 to 0.9 cm **Heavy Armor Rating:** 2 to 1

**Guns:** 10.5cm LeFH 18 howitzer and one MG34 (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 5

**Weight:** 12.1 Tons

### **SdKfz 165 Hummel**

**Armor Ranges:** 5 to 1 cm **Heavy Armor Rating:** 5 to 1

**Guns:** 15cm schwere Fh 18 howitzer and one MG34 (Width +2, Spray 4.)

**Maximum Speed:** 26 mph **# of Crew:** 5

**Weight:** 26.5 Tons

### **Heuschrecke IVB**

**Armor Ranges:** 1.8 to 1 cm **Heavy Armor Rating:** 2 to 1

**Guns:** 10.5cm LeFH 18 howitzer

**Maximum Speed:** 28 mph **# of Crew:** 5

**Weight:** 18.75 Tons

### **Sturmpanzer IV Brummbär**

**Armor Ranges:** 10 to 3 cm **Heavy Armor Rating:** 7 to 3

**Guns:** 15cm schwere Fh 18 howitzer and one MG34 (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 5

**Weight:** 31 Tons

### **Sturmtiger**

**Armor Ranges:** 15 to 8 cm **Heavy Armor Rating:** 9 to 7

**Guns:** 38cm rocket projector (Slow: 6, Penetration: 10, Area Rating: 10+Burn, Range Close/Maximum: 575/6180 yds.) and one MG34 (Width +2, Spray 4.)

**Maximum Speed:** 25 mph **# of Crew:** 7

**Weight:** 71.65 Tons

## **German Amphibious Vehicles**

The Schwimmfähiger Geländeg Typ 166 was well regarded, and used extensively on the Eastern Front. Even many Allied commanders proved fond of using captured Typ 166s as run-abouts.

### **Schwimmfähiger Geländeg Typ 166**

**No Armor or Guns**

**Maximum Speed:** 50 mph (7 mph in water) **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 1 Ton

## **German Light Vehicles**

The Opel Blitz was representative of the wide variety of trucks used by the German military, and served as troop carrier, ambulance, mobile command post, mobile workshop, and radio van, among other things.

### **Opel Blitz**

**No Armor or Guns**

**Maximum Speed:** 50 mph **# of Crew:** 1

**Passengers:** 12 Troops

**Weight:** 2.32 Tons

## **German Motorcycles**

Motorcycles were extremely common in the Wehrmacht, and motorcycle-and-sidecar combinations, the sidecar sometimes armed with a MG34, could be found on all Fronts, being extremely tough and reliable. The Kettenkrad half-track motorcycle was designed for use as a small artillery tractor, for use by the German parachute troops, but was soon allocated to any location where larger, heavier vehicles would prove a liability.

### **BMW R75 and Sidecar**

**No Armor**

**Guns:** One MG34 (Width +2, Spray 4)

**Maximum Speed:** 59 mph # of Crew: 1

**Passengers:** 1 Troop

**Weight:** 924 lb.

### **SdKfz 2 kleines Kettenkrad Half-Track Motorcycle**

**No Armor or Guns**

**Maximum Speed:** 50 mph # of Crew: 1

**Passengers:** 2 Troops

**Weight:** 1.32 Tons

# Weaponry of Italy

## Italian Cartridge & Shell Ratings Table

Cartridge	Extra Damage*/Penetration/Area Damage
6.5mm	0/0/0
7.35mm	0/0/0
8mm	0/0/0
9mm Glisenti	0/0/0
9mm <i>Parabellum</i>	+1/0/0
20mm	+2/2/1+Burn
47mm	+2/6/3+Burn
75mm	+3/7/6+Burn
90mm	+7/7/6+Burn
210mm	+14/10/10+Burn

## Italian Pistols

The Glisenti was an innovative weapon for its time, but was marred with a weak frame, unique cartridge, and a long trigger pull. Despite this, it still remained in service until 1945, only gradually being replaced by the well-made Beretta 1934.

Weapon	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
Glisenti 1910	9mm Glis.	7	2	15/31
Beretta 1934	9mm Para	7	1.25	16/32

## Italian Carbines/Rifles

The Italians only used one carbine in World War II, and this became the standard rifle of the Italian army, despite its slow bolt-action and underpowered 6.5mm round. Although some were converted to the more powerful 7.35mm round, the 6.5mm weapons were by far the most common.

Weapon	Slow	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
Mannlicher-Carcano M1891/24 carbine	1	6.5mm or 7.35mm	6	8.36	100/375 or 100/400

## Italian Sub Machineguns

The Beretta M1938A was beautifully manufactured, well-balanced, accurate, and reliable, making it a highly favored arm in the Italian forces.

Weapon	Spray	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
Beretta M1938A	3	9mm Para	30	10.96	25/110

## Italian Machineguns

The Italian machineguns were a stark contrast to the superlative Italian Berettas, being awkward to carry, prone to clogging, relatively fragile, low in capacity, and difficult to change barrels for. As if this wasn't bad enough, they were also underpowered compared to the machineguns used in most other nations.

Weapon	Spray	Ammo	Cap	Weight	Range (yds.)
				(lbs.)	Close/Max
Breda M30	3	6.5mm	20	22.75	200/2,000
Breda M37/M38	3	8mm	20	42.8	210/2,000
Fiat Revelli M35	3	8mm	50*	39.8	210/2,000

\* Capacity is by belt

## Italian Mortars

The Brixia was massively overdesigned and overcomplex, and although accurate and reliable, it was also relatively ineffective due to its light payload.

Weapon	Slow/Pen./Area	Weight	Range (yds.)
	Rating	(lbs.)	Close/Max
45/5 M35 Brixia	1/2/3	34.17	75/586

## Italian Artillery

Unlike most of their war arms, Italian artillery pieces were modern, sound, and sturdy, although Italy was slow to produce them in significant quantities.

Weapon	Slow/Pen./Area	Ammo	Range (yds.)
	Rating		Close/Max
Cannone da 75/27 M06	2/7/6+Burn	75mm	1,000/11,200
Cannone da 75/32 M37	2/7/6+Burn	75mm	1,300/13,675
Cannone da 75/46 M34	2/7/6+Burn	75mm	1,500/9075
Anti-Aircraft			
Obice da 75/18 M35	2/7/6+Burn	75mm	700/10,450
Obice da 210/22 M35	3/10/10+Burn	210mm	1,500/16,850

## Italian Flamethrowers

A cumbersome and unreliable weapon, the Lanciafiamme was little loved and little used by the Italian army.

Weapon	Area	Shots	Weight	Range (yds.)
	Rating		(lbs.)	Close/Max
Lanciafiamme M40	3+Burn	20*	59.5	20/50

\* one-round bursts

## Italian Tanks

Italian tanks were obsolete even before the onset of the War, and plans to replace them never reached fruition.

### Fiat L 6/40 Light Tank

**Armor Ranges:** 3 to .6cm **Heavy Armor Rating:** 3 to 1

**Guns:** 20mm cannon (Width +5 Killing, Area 1, Penetration 2,) and one M38 machinegun (Width +2, Spray 3.)

**Maximum Speed:** 26 mph

**# of Crew:** 2

**Weight:** 7.5 Tons

### **Fiat M 13/40 Medium Tank**

**Armor Ranges:** 4.2 to .6cm **Heavy Armor Rating:** 4 to 1

**Guns:** 47mm cannon (Width +6 Killing, Area 3, Penetration 6,) and three M38 machineguns (Width +2, Spray 3.)

**Maximum Speed:** 20 mph **# of Crew:** 4

**Weight:** 15.43 Tons

### **Italian Tank Destroyers**

Although Italian tank destroyers were innovative in that the Italians designed them in the late 1930s, by the time they reached production they were already outdated, and offered woeful protection.

#### **Semovente L.40 da 47/32**

**Armor Ranges:** 3 to 0 cm **Heavy Armor Rating:** 3 to 0

**Guns:** 47mm cannon (Width +6 Killing, Area 3, Penetration 6.)

**Maximum Speed:** 26 mph **# of Crew:** 2

**Weight:** 7.17 Tons

#### **Semovente M.41M da 90/53**

**Armor Ranges:** 4.2 to 0 cm **Heavy Armor Rating:** 4 to 0

**Guns:** 90mm cannon (Width +7 Killing, Area 6, Penetration 7,)

**Maximum Speed:** 22 mph **# of Crew:** 2

**Weight:** 18.74 Tons

### **Italian Armored Cars**

The Autoblinda 41 was a relatively successful recon vehicle, offering good performance, but was marred by recurring steering problems.

#### **Autoblinda 41**

**Armor Ranges:** 3 to .6 cm **Heavy Armor Rating:** 3 to 1

**Guns:** 20mm cannon (Width +5 Killing, Area 1, Penetration 2,) and two M38 machineguns (Width +2, Spray 3.)

**Maximum Speed:** 49 mph **# of Crew:** 4

**Weight:** 7.5 Tons

### **Italian Light Vehicles**

The Autovettura Fiat 508 was among Italy's most successful wartime creations, being cheap to produce, but also simple, robust, and reasonably effective cross-country.

#### **Autovettura Fiat 508 C.M.**

**No Armor or Guns**

**Maximum Speed:** 45 mph **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 1.17 Tons

# Weaponry of Japan

## Japanese Self-Propelled Guns

The Japanese were slow to develop self-propelled guns, only producing a single model and that in small quantities. The Type 4 HO-RO was painfully slow to operate and offered its operators little protection.

### Type 4 HO-RO

**Armor Ranges:** 2.5 to 0 cm **Heavy Armor Rating:** 2 to 0

**Guns:** 150mm howitzer (Slow: 5, Penetration: 9, Area: 9+Burn, Close/Max Range: 250/6452 yds.)

**Maximum Speed:** 24 mph **# of Crew:** 4

**Weight:** 15 Tons

## Japanese Half-Tracks

Japan produced relatively few half-tracks, the most common of which was the Type 98.

### Type 98 Half-Track Prime Mover "Ko-Hi"

**No Armor or Guns**

**Maximum Speed:** 30 mph **# of Crew:** 1

**Passengers:** 14 Troops

**Weight:** 5.3 Tons

## Japanese Light Vehicles

The Japanese Type 95 Scout Car was reasonably rugged and reliable, and was used very extensively, as was the Isuzu Type 94 truck.

### Type 95 Scout Car 4x4 (Kurogane Black Medal)

**No Armor or Guns**

**Maximum Speed:** 40 mph **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 1.2 Tons

### Isuzu Type 94 6-Wheeled Truck

**No Armor or Guns**

**Maximum Speed:** 37 mph **# of Crew:** 1

**Passengers:** 13 Troops

**Weight:** 5.3 Tons

## Japanese Amphibious Vehicles

The Type 2 Ka-Mi was actually a relatively successful light amphibious tank, and proved to have few operational problems, largely due to the fact that the fifth crew member was always a skilled mechanic. Unfortunately, its necessarily light armor rendered it vulnerable, although it was used to great effect in the Japanese invasions.

### Type 2 Ka-Mi Amphibious Light Tank

**Armor Ranges:** 1.5 to .2 cm **Heavy Armor Rating:** 1 to 0

**Guns:** 37mm cannon (Width +5 Killing, Area 3, Penetration 4,) and two Model 99 machineguns (Width +2, Spray 4.)

**Maximum Speed:** 23 mph (6 mph in water) **# of Crew:** 5

**Weight:** 10.55 Tons

## Japanese Motorcycles

The Sankyo R750 was a licensed Harley-Davidson copy, but was terribly unsuited to rugged terrain, only seeing wide use in China and Japan.

### Sankyo R750 and Sidecar

**No Armor or Guns**

**Maximum Speed:** 43.5 mph **# of Crew:** 1

**Passengers:** 1

**Weight:** 1,100 lb.

# Weaponry of the Soviet Union

## Soviet Grenades

Soviet grenades were crude implements, the F-1 Fragmentation grenade being copied from other "Pineapple" grenades, such as the American M2A1 and British "Mills", while the RGD-33 was a fragmentation stick grenade, inspired by German weapons, but made entirely too complicated, often with lethal mishaps as a result.

Weapon	Pen./Area Rating	Weight (lbs.)	Range (yds.) Close/Max
F-1 Fragmentation	2/3	1.32	15/30
RGD-33	2/3	.7	30/50

## Soviet Artillery

The Soviets favored heavy projectiles, and produced reliable artillery pieces with good ranges. The Model 1942 field gun was particularly excellent, and was produced in its thousands.

Weapon	Slow/Pen./Area Rating	Ammo	Range (yds.) Close/Max
Model 1937	2/10/9+Burn	152mm	1,300/18,880
Model 1943	2/10/9+Burn	152mm	1,000/13,560
Model 1931	4/10/10+Burn	203mm	1,500/19,712
Model 00/03 Field Gun	1/7/5+Burn	76mm	900/13,565
Model 1936 Field Gun	1/7/5+Burn	76mm	1,000/15,145
Model 1942 Field Gun	1/7/5+Burn	76mm	950/14,450
Model 1942 ZiZ-3	1/7/5+Burn	76mm	950/14,585

## Soviet Self-Propelled Guns

The Soviets rushed to develop self-propelled guns, producing both the roundly hated and uncomfortable SU-76 (hence its common nickname), and the powerful tank-killer, the ISU-122.

### SU-76 "Bitch"

**Armor Ranges:** 2.5 to 0 cm **Heavy Armor Rating:** 2 to 0

**Guns:** 76.2mm ZiZ-3 anti-tank gun, and one SGM (Width +3, Spray 3.)

**Maximum Speed:** 28 mph **# of Crew:** 4

**Weight:** 11.8 Tons

### ISU-122

**Armor Ranges:** 7.5 to 2 cm **Heavy Armor Rating:** 7 to 2

**Guns:** 122mm cannon (Width +11 Killing, Area 9+Burn, Penetration 8,) and one DShK 1938 machinegun (Penetration 1, Width +4, Spray 3.)

**Maximum Speed:** 23 mph **# of Crew:** 5

**Weight:** 51.15 Tons

## Soviet Amphibious Vehicles

The Soviet armed forces displayed a particular fondness for the amphibious tank concept, and although these vehicles proved marginally useful, they were too frail and lightly armed for prolonged combat.

### T-37 Amphibious Tank

**Armor Ranges:** .9 to .3cm **Heavy Armor Rating:** 1 to 0

**Guns:** One Degtyerov machinegun (Width +3, Spray 2.)

**Maximum Speed:** 35 mph (4 mph in water) **# of Crew:** 2

**Weight:** 3.5 Tons

### T-40 Amphibious Tank

**Armor Ranges:** 1.4 to .7cm **Heavy Armor Rating:** 1 to 1

**Guns:** One DShK 1938 machinegun (Penetration 1, Width +4, Spray 3.)

**Maximum Speed:** 27 mph (4 mph in water) **# of Crew:** 2

**Weight:** 6.5 Tons

## Soviet Light Vehicles

The GAZ-67B was a tough 4x4, heavily inspired by the American Jeep.

### GAZ-67B Light Car

**No Armor or Guns**

**Maximum Speed:** 55 mph **# of Crew:** 1

**Passengers:** 4 Troops

**Weight:** 1.3 Tons

## Soviet Motorcycles

A direct copy of the discontinued German BMW R71 and sidecar, the Ural M-72 was tough, quick, and possessed respectable cross-country performance.

### Ural M-72 and sidecar

**No Armor or Guns**

**Maximum Speed:** 55 mph **# of Crew:** 1

**Passengers:** 1 Troop

**Weight:** 770 lb.

# Weaponry of the United States

## American Pistols

Weapon	Ammo	Cap	Weight (lbs.)	Range (yds.) Close/Max
Smith and Wesson M1917 Revolver	.45 Ball	6	2.25	18/34

## American Tanks

### M3 "Stuart" Light Tank

**Armor Ranges:** 4.3 to 1.5cm **Heavy Armor Rating:** 4 to 1

**Guns:** 37mm cannon (Width +5 Killing, Area 3, Penetration 4,) and five Browning .30's (Width +3, Spray 0/1/2.)

**Maximum Speed:** 36 mph **# of Crew:** 4

**Weight:** 14.25 Tons

### M24 "Chaffee" Light Tank

**Armor Ranges:** 3.8 to 1.2cm **Heavy Armor Rating:** 4 to 1

**Guns:** 75mm cannon (Width +7 Killing, Area 4+Burn, Penetration 7,) one Browning .50 (Penetration 1, Width +4, Spray 1/3,) and two Browning .30's (Width +3, Spray 0/1/2.)

**Maximum Speed:** 35 mph **# of Crew:** 5

**Weight:** 20.25 Tons

### M3 "General Grant" Medium Tank

**Armor Ranges:** 5 to 1cm **Heavy Armor Rating:** 5 to 1

**Guns:** 75mm cannon (Width +7 Killing, Area 4+Burn, Penetration 7,) 37mm cannon (Width +5 Killing, Area 3, Penetration 4,) and four Browning .30's (Width +3, Spray 0/1/2.)

**Maximum Speed:** 26 mph **# of Crew:** 6

**Weight:** 30 Tons

## American Self-Propelled Guns

American self-propelled guns were rugged, reliable, and highly regarded, especially the M7 "Priest", a vehicle widely used by British as well as American forces.

### M7 "Priest"

**Armor Ranges:** 2.5 to 1cm **Heavy Armor Rating:** 2 to 1

**Guns:** 105mm howitzer, and one Browning .50 (Penetration 1, Width +4, Spray 1/3.)

**Maximum Speed:** 26 mph **# of Crew:** 5

**Weight:** 25.35 Tons

### M40

**Armor Ranges:** 1.3 to .7cm **Heavy Armor Rating:** 1 to 1

**Guns:** 155mm howitzer

**Maximum Speed:** 24 mph **# of Crew:** 8

**Weight:** 41 Tons

## American Amphibious Vehicles

American amphibious vehicles were designed almost exclusively as load carriers, and worked remarkable well in this capacity, some even being armed, and used to ferry troops.

### GMC DUKW "Duck" 6x6 Amphibious Truck

**No Armor or Guns**

**Maximum Speed:** 50 mph (6 mph in water) **# of Crew:** 1

**Passengers:** 1 Troop

**Weight:** 7.4 Tons

### LVT4 Tracked Amphibious Carrier

**No Armor**

**Guns:** One Browning .50 (Penetration 1, Width +4, Spray 1/3,) and one Browning .30 (Width +3, Spray 0/1/2.)

**Maximum Speed:** 20 mph (7.5 mph in water) **# of Crew:** 2

**Passengers:** 7 Troops

**Weight:** 12.12 Tons

### Studebaker M29C "Weasel" Amphibious Carrier

**No Armor or Guns**

**Maximum Speed:** 36.5 mph (4 mph in water) **# of Crew:** 1

**Passengers:** 3 Troops

**Weight:** 2.4 Tons

## American Light Vehicles

As with all nations, America made great use of rugged military trucks, the most common of which was the Dodge WC62.

### Dodge WC62 6x6 Truck

**No Armor or Guns**

**Maximum Speed:** 50 mph **# of Crew:** 1

**Passengers:** 13 Troops

**Weight:** 8.1 Tons

## American Motorcycles

The Harley-Davidson WLA was the primary motorcycle of the America military, but was not an entirely satisfactory vehicle. Although reasonably fast on-road, it had poor cross-country capability, and was a heavy machine, making it far less nimble than many European motorcycles.

### Harley-Davidson WLA

**No Armor or Guns**

**Maximum Speed:** 65 mph **# of Crew:** 1

**Passengers:** None.

**Weight:** 540 lbs.