

# **MORTARS**

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## LR FMK-2 81mm

Notes: This is an Argentine medium mortar designed for infantry fire support. It is a light weapon designed for mobility. The weapon is meant for a crew of three or four, with three people carrying the mortar and some of the ammunition and one other person carrying more ammunition.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
LR FMK-2	13.75 kg	13.9 kg	13.65 kg	0.7 kg	42 kg	\$10350

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
LR FMK-2 81mm	81mm Western	3-4	1	GAMP	100	4000
			1	HE	100	4000
			1	ILLUM	100	4000
			1	Merlin	100	4500
			1	Smoke	100	4000
			1	WP	100	4000

## LR FMK-2 120mm

Notes: This is an Argentine heavy mortar that is light enough to be manpacked if necessary. It is designed for use at battalion and above, for fire support of infantry and armor. The mortar may be attached to a two-wheeled carriage to be towed by a light vehicle.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
LR FMK-2	44.2 kg	45 kg	25.5 kg	1.2 kg	116 kg (20 kg Carriage)	\$8700

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
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<b>LR FMK-2 120mm</b>	120mm Western	5	1	CHEM	500	6150 (9225 RAP)
			1	GAMP	500	6150 (9225 RAP)
			1	HE	500	6150 (9225 RAP)
			1	ICM-DP	500	6150 (9225 RAP)
			1	ILLUM	500	6150 (9225 RAP)
			1	Strix	500	6500
			1	WP	500	6150 (9225 RAP)

### MA 1-60 FMK-1

Notes: This weapon is designed for use by air assault and airborne troops for use against both personnel and light armored vehicles. Special antipersonnel and HEAT rounds are produced for use by this mortar, and the weapon is capable of both direct and indirect fire.

<b>Weapon</b>	<b>Barrel</b>	<b>Baseplate</b>	<b>Bipod</b>	<b>Sight</b>	<b>Total</b>	<b>Price</b>
<b>MA 1-60 FMK-1</b>	NA	NA	NA	NA	8 kg	\$1225

<b>Weapon</b>	<b>Ammo</b>	<b>Crew</b>	<b>ROF</b>	<b>Round</b>	<b>DF Range</b>	<b>IFR</b>
<b>MA 1-60 FMK-1</b>	60mm Western	2	2	APERS	70	Nil
			2	HE	250	2200
			2	HEAT	200	1750
			2	ILLUM	250	2200

			2	Smoke	250	2200
			2	WP	250	2200

### MC 1-60 FMK-2

Notes: This commando-type mortar is used by Argentina. The weapon is drop-fired and the sling is used for elevation adjustments, by placing a foot on elevation marks on the sling and pulling it up tight. A line on the barrel is used for deflection adjustments and aiming.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MC 1-60 FMK-2	NA	NA	NA	NA	5.68 kg	\$870

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
MC 1-60 FMK-2	60mm Western	2	2	HE	100	1355
			2	ILLUM	100	1355
			2	Smoke	100	1355
			2	WP	100	1355

### MS 1-60 FMK-3

Notes: This is a more normal Argentine mortar, used by regular troops, especially light infantry, for direct fire support. It may be carried by one person, but may also be broken into three loads.

Weapon	Barrel	Baseplate	Tripod	Sight	Total	Price
MS 1-60 FMK-3	3.58 kg	4.47 kg	5.15 kg	1.1 kg	14.3 kg	\$2200

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
MS 1-60 FMK-3	60mm Western	2-3	2	HE	100	3000

			2	ILLUM	100	3000
			2	Smoke	100	3000
			2	WP	100	3000

## Hirtenberger C6

Notes: This is a light mortar designed for easy carriage. There are two versions: the C6-110 has a fixed firing pin (rounds are fired only by dropping them down the tube) and the C6-210 has firing pin controlled by a trigger. The C6 is fired hand-held, with a strap to get the correct elevation. The button baseplate is small and circular with a spike to anchor it to the ground.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
C6-110	NA	NA	NA	NA	4.3 kg	\$1100
C6-210	NA	NA	NA	NA	5.1 kg	\$1100

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
Hirtenberger C6	60mm Western	2	2	HE	40	1600
			2	ILLUM	40	1600
			2	Smoke	40	1600
			2	WP	40	1600

## Hirtenberger M6-111/211

Notes: These are high-quality light mortars made largely from aluminum for light weight and high-strength steel for the barrels. The firing pin can be retracted for safer extraction of the round in a misfire, but the mortars are not designed to be trigger-fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M6-111	4.5 kg	4 kg	7.5 kg	1.35 kg	17.35 kg	\$6575
M8-211	5.8 kg	4 kg	7.5 kg	1.35 kg	18.65 kg	\$7065

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
M6-111	60mm Western	2	2	HE	100	3000

			2	ILLUM	100	3000
			2	Smoke	100	3000
			2	WP	100	3000
<b>M6-211</b>	60mm Western	2	2	HE	100	4400
			2	ILLUM	100	4400
			2	Smoke	100	4400
			2	WP	100	4400

### Hirtenberger M8-111/211

Notes: This is a medium mortar. It is made largely of aluminum, and is lighter than most 81mm mortars, and has greater range. It comes in two versions: the M8-111 standard version and the M8-211 long-range version.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M8-111</b>	12 kg	12 kg	11.6 kg	1.35 kg	36.95 kg	\$14000
<b>M8-211</b>	13 kg	12 kg	11.6 kg	1.35 kg	37.95 kg	\$14500

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
<b>Hirtenberger M8-111</b>	81mm Western	3	1	GAMP	100	6300
			1	HE	100	6300
			1	ILLUM	100	6300
			1	Merlin	100	4500
			1	Smoke	100	6300
			1	WP	100	6300



<b>Hirtenberger M8-211</b>			1	GAMP	100	6600
			1	HE	100	6600
			1	ILLUM	100	6600
			1	Merlin	100	4500
			1	Smoke	100	6600
			1	WP	100	6600

### Hirtenberger M8-522

Notes: This mortar was designed to offer the same performance as the M8-111, but uses more conventional (and heavier) construction. It is thus more suited to heavy, sustained bombardment from fixed positions.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M8-522</b>	13.5 kg	13 kg	15.6 kg	1.35 kg	43.45 kg	\$16600

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
<b>Hirtenberger M8-111</b>	81mm Western	3	1	GAMP	100	6600
			1	HE	100	6600
			1	ILLUM	100	6600
			1	Merlin	100	4500
			1	Smoke	100	6600
			1	WP	100	6600

### Hirtenberger M12-1111/2222

Notes: These are heavy mortars. The barrel is of steel, and the rest is largely of aluminum. It is heavier

than the Thompson-Brandt 120mm mortar listed in the *Heavy Weapons Handbook*, but has better range, and a vehicle-mounted version is available (the M12-2330). The carriage for this mortar is equipped with hooks to facilitate movement by helicopter sling loading.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M12-1111</b>	100 kg	117 kg	60 kg	1.4 kg	668.4 kg (390 kg Carriage)	\$22500
<b>M12-2222</b>	94 kg	109 kg	57 kg	1.4 kg	621.4 kg (360 kg Carriage)	\$22300

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
<b>Hirtenberger M12-1111</b>	120mm Western	4	1	CHEM	900	9000 (13500 RAP)
			1	GAMP	900	9000 (13500 RAP)
			1	HE	900	9000 (13500 RAP)
			1	ICM-DP	900	9000 (13500 RAP)
			1	ILLUM	900	9000 (13500 RAP)
			1	Strix	900	6500
			1	WP	900	9000 (13500 RAP)
<b>Hirtenberger M12-2222</b>			1	CHEM	900	9500 (14250 RAP)
			1	GAMP	900	9500 (14250 RAP)
			1	HE	900	9500 (14250 RAP)

			1	ICM- DP	900	9500 (14250 RAP)
			1	ILLUM	900	9500 (14250 RAP)
			1	Strix	900	6500
			1	WP	900	9500 (14250 RAP)

## NR-475 A1

Notes: It is strong enough to be dropped by parachute. The baseplate is circular with five spikes on the bottom. The NR-475 A1 is otherwise of conventional design, except that it is heavier and has a longer barrel.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
NR-475 A1	15.3 kg	14.6 kg	12.5 kg	0.6 kg	30 kg	\$11500

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
NR-475 A1	81mm Western	3	1	GAMP	300	5500
				HE	300	5500
				ILLUM	300	5500
				Merlin	300	4500
				Smoke	300	5500
				WP	300	5500

## NR-493

Notes: The baseplate is circular with three ribs on the bottom.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
NR-493	6 kg	5.1 kg	10.4 kg	0.6 kg	22.1 kg	\$3900

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
NR-493	60mm Western	3	2	HE	50	1800
				ILLUM	50	1800

				Smoke	50	1800
				WP	50	1800

## Commando Mortar

Notes: The Commando Mortar is a very lightweight and basic mortar, designed for use as a section- or platoon-level weapon. It has a much shorter range than a normal 60mm mortar, but is only supposed to fill the range gap between the effective range of a 40mm grenade launcher and the minimum safety distance of a regular 81mm mortar or artillery. The M4 Mk1 model is the more sophisticated model, with the better sight. The M4 L3 model relies on a strap to get the correct elevation, and a simple line down the barrel for direction. This results in a shorter range.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M4 L3</b>	NA	NA	NA	NA	6.5 kg	\$800
<b>M4 Mk1</b>	NA	NA	NA	NA	6.6 kg	\$1200

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Commando M4 L3</b>	2	60mm Western	2	HE	40	1200
				ILLUM	40	1200
				Smoke	40	1200
				WP	40	1200
<b>Commando M4 Mk1</b>	2	60mm Western	2	HE	50	2000
				ILLUM	50	2000
				Smoke	50	2000
				WP	50	2000

## L-16A2

Notes: This medium mortar is used by 39 countries, including in a modified form by the United States, who call it the M-252. The barrel is made very strong to be able to fire the entire range of 81mm rounds available in the world. The muzzle has a collar to aid loading, and the barrel is partially finned to aid cooling. The sight is Canadian, called the C2, and this sight can also be used on the L-7A2 when it is set in the sustained support role.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
L-16A2	12.7 kg	10 kg	12.3 kg	2 kg	37 kg	\$9430

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
L-16A2	2	81mm Western	3	GAMP	100	5800
				HE	100	5800
				ILLUM	100	5800
				Merlin	100	4500
				Smoke	100	5800
				WP	100	5800

### Royal Ordnance 51mm Mortar

Notes: It is a Commando-type mortar, which is used hand-held and trigger-fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
RO 51mm	NA	NA	NA	NA	6.3 kg	\$1300

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Royal Ordnance 51mm	2	51mm British/Israeli	2	HE	50	800
	2			ILLUM	50	800
	2			Smoke	50	800
	2			WP	50	800

## PIMA 81mm

Notes: This is a conventional mortar of design very similar to that of the M-82. However, it fires 81mm Western-style ammunition. The bipod is slightly redesigned to accommodate the higher recoil of the 81mm ammunition, and the muzzle has a device to prevent double loading. The sight is the same as used on the M-82.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>PIMA 81mm</b>	11.9 kg	17 kg	13 kg	0.6 kg	42.5 kg	\$10125

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
<b>PIMA 81mm</b>	81mm Western	3	1	GAMP	270	5000
				HE	270	5000
				ILLUM	270	5000
				Merlin	270	4500
				Smoke	270	5000
				WP	270	5000

## PIMA M-82

Notes: This is the standard Bulgarian medium mortar. It is of conventional design, with an illuminated sight for use at night. The baseplate is circular, and the weapon is similar to older US designs.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>PIMA M-82</b>	17 kg	10 kg	17 kg	0.6 kg	44.6 kg	\$10625

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
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<b>PIMA M-82</b>	1	82mm Eastern	4	HE	80	4100
				ILLUM	80	4100
				Smoke	80	4100
				WP	80	4100

## FAMAE 60mm Commando

Notes: This is a light mortar in use by Chilean armed forces. Ranging is done with a marked sling, and deflection is done with a line painted on the barrel. The weapon may be drop or trigger fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
FAMAE Commando	NA	NA	NA	NA	7.7 kg	\$1020

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
FAMAE Commando	2	60mm Western	2	HE	35	1050
				ILLUM	35	1050
				Smoke	35	1050
				WP	35	1050

## FAMAE 81mm

Notes: It is considered rather heavy for this sort of weapon, but is otherwise conventional.

Weapon	Barrel	Baseplate	Tripod	Sight	Total	Price
FAMAE 81mm	20.8 kg	28 kg	17.2 kg	1.2 kg	67 kg	\$16800

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
FAMAE 81mm	1	81mm Western	4	GAMP	100	4200
				HE	100	4200
				ILLUM	100	4200

				Merlin	100	4500
				Smoke	100	4200
				WP	100	4200

### FAMAE 120mm

Notes: The FAMAE 120mm is normally carried on a two-wheeled trailer towed behind a light vehicle or truck, but may be manhandled for short distances.

Weapon	Barrel	Baseplate	Tripod	Sight	Total	Price
<b>FAMAE 120mm</b>	40 kg	44 kg	25 kg	2 kg	191 kg (80 kg Carriage)	\$8845

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>FAMAE 120mm</b>	1	120mm Western	5	CHEM	500	6650 (9975 RAP)
				GAMP	500	6650 (9975 RAP)
				HE	500	6650 (9975 RAP)
				ICM-DP	500	6650 (9975 RAP)
				ILLUM	500	6650 (9975 RAP)
				Strix	500	6500
				WP	500	6659 (9975 RAP)

### Type 63-1

Notes: It is one of the smallest mortars in use in the world. The barrel is only 610mm long, and the rest of the mortar is correspondingly small.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type 63-1	4.1 kg	3.3 kg	4.1 kg	0.6 kg	12.1 kg	\$2400

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type 63-1	2	60mm Eastern	1	HE	95	1550
				ILLUM	95	1550
				Smoke	95	1550
				WP	95	1550

### Type 67

Notes: It is of conventional pattern, with a triangular baseplate, and the mortar may be drop-fired or fired by a lanyard.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type 67	13 kg	9 kg	13 kg	0.9 kg	35.9 kg	\$8175

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type 67	1	82mm Eastern	3	HE	85	3040
				ILLUM	85	3040
				Smoke	85	3040
				WP	85	3040

## Type 71

Notes: As far as is known, this is the only mortar in 100mm produced. The Type 71 is of conventional design with a triangular baseplate.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type 71	28 kg	18.5 kg	28 kg	0.9 kg	75.4 kg	\$18625

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type 71	1	100mm Chinese	4	HE	170	4750
				ILLUM	170	4750
				Smoke	170	4750
				WP	170	4750

## Type 83A

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type 83A	5.1 kg	4.1 kg	5.1 kg	1.4 kg	15.7 kg	\$3675

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type 83A	2	60mm Western	3	HE	72	2665
	2			ILLUM	72	2665
	2			Smoke	72	2665
	2			WP	72	2665

## Type W-87

Notes: This is an upgraded Type 67 mortar. It has been rebarrelled for 81mm, and may fire all Western 81mm ammunition.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type W-87	15.5 kg	15.5 kg	8.7 kg	0.9 kg	39.6 kg	\$9925

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type W-87	1	81mm Western	3	GAMP	80	4500
				HE	80	4500
				ILLUM	80	4500
				Merlin	80	4500
				Smoke	80	4500
				W-87 HE	120	5700
				WP	80	4500

### Type W-91

Notes: This is a long-range version of the Type W-87. It has a longer barrel than the W-87, and a different, round baseplate. The Type W-91 has a self-locking device in the elevation mechanism to maintain settings during prolonged firing.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type W-91	26.7 kg	25.7 kg	12.6 kg	0.9 kg	65.9 kg	\$16250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type W-91	1	81mm Western	3	GAMP	80	6300
				HE	80	6300

				ILLUM	80	6300
				Merlin	80	4500
				Smoke	80	6300
				W-87 HE	80	8000
				WP	80	6300

### Type WW-90-60L/WW-90-60M

Notes: These are Chinese 60mm mortars with two different barrel lengths: The WW-90-60L has a tube of 1300mm, and the WW-90-60M has a tube of 1080mm. The mortars have a cylindrical buffer system to keep the mortar stable during firing.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type WW-90-60L	11.7 kg	6.2 kg	7.3 kg	0.6 kg	25.8 kg	\$6975
Type WW-90-60M	9.7 kg	6.2 kg	7.3 kg	9.6 kg	23.8 kg	\$6450

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type WW-90-60L	2	60mm Western	3	HE	72	5775
				ILLUM	72	5775
				Smoke	72	5775
				WP	72	5775
				WX-90 HE	72	6000
Type WW-90-60M	2	60mm Western	3	HE	72	4400
				ILLUM	72	4400
				Smoke	72	4400

				WP	72	4400
				WX-90 HE	72	5000

**Type WX-90**

Notes: This is a Chinese long-range 60mm mortar with a long barrel. The mortar parts are kept light so they can be easily manpacked.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Type WX-90	9 kg	5 kg	9 kg	0.6 kg	23.6 kg	\$5900

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Type WX-90	2	60mm Western	3	HE	72	4700
				ILLUM	72	4700
				Smoke	72	4700
				WP	72	4700
				WX-90 HE	72	5500



## M-84

Notes: This is the standard light mortar of the Croatian military. It combines the mounting of the Yugoslavian M-68 mortar with a new lengthened barrel for more range.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-84	13.2 kg	6.6 kg	13.1 kg	1.1 kg	34 kg	\$8135

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-84	2	60mm Western and Eastern	3	HE	150	5000
				ILLUM	150	5000
				Smoke	150	5000
				WP	150	5000

## M-93

Notes: This Croatian medium mortar is a development of the Yugoslavian M-69A mortar. It differs in having a redesigned breech piece and baseplate.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-93	17.7 kg	8.7 kg	17.5 kg	1.1 kg	45 kg	\$10765

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-93	1	82mm Eastern	4	HE	84	6225
				ILLUM	84	6225
				Smoke	84	6225
				WP	84	6225

## M-96LM/LRLM

Notes: These are the Croatian equivalents of the Yugoslavian M-69B(K) and M-69B(D) mortars, with changes in the caliber and baseplate and a different sight. The LRLM has a longer barrel and longer range.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-96LM</b>	14.5 kg	12 kg	13.6 kg	1.1 kg	41.2 kg	\$9855
<b>M-96LRLM</b>	16.6 kg	12 kg	14.5 kg	1.1 kg	44.2 kg	\$10575

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-96LM</b>	1	82mm Eastern	4	HE	84	6225
				ILLUM	84	6225
				Smoke	84	6225
				WP	84	6225
<b>M-96LRLM</b>	1	82mm Eastern	4	HE	84	6700
				ILLUM	84	6700
				Smoke	84	6700
				WP	84	6700

## Konstrukta 81mm Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Konstrukta 81mm	33.75 kg	22.5 kg	33.75 kg	1.35 kg	91.35 kg	\$22500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Konstrukta 81mm	1	81mm Western	3	81 HE	300	7000
				GAMP	80	5500
				HE	80	5500
				ILLUM	80	5500
				Merlin	80	4500
				Smoke	80	5500
				WP	80	5500

## Mk 98 Antos

Notes: The Antos may use both Pact and NATO ammunition, as well as special rounds designed for it. The Antos may be trigger or drop fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Mk 98 Antos	NA	NA	NA	NA	4.2 kg	\$645

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Mk 98 Antos	2	60mm Western	2	HE	80	1250
				HEI	80	1250

				ILLUM	80	1250
				Smoke	80	1250
				WP	80	1250

## Helwan 60mm

Notes: This is basically a copy of the Chinese Type 63-1 mini-mortar and differs from that weapon in few details. The biggest change is the carrying handle on the barrel, allowing the mortar to be lugged by one man over short distances in one piece.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Helwan 60mm	4.2 kg	3.4 kg	4.1 kg	0.6 kg	12.3 kg	\$2400

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Helwan 60mm	2	60mm Eastern	2	HE	95	1530
				ILLUM	95	1530
				Smoke	95	1530
				WP	95	1530

## Helwan M-69

Notes: This Egyptian 82mm mortar is basically a copy of the Russian M-1937 mortar with a lighter Thompson-Brandt/TDA baseplate. A special mortar shell was developed for this mortar, which has a range of 5500m (the M-1937 can also fire this shell).

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Helwan M-69	14.5 kg	15 kg	14 kg	1.35 kg	44.85 kg	\$7000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Helwan M-69	1	82mm Eastern	3	HE	80	4000
				ILLUM	80	4000

				M-74 HE	80	5500
				Smoke	80	4000
				WP	80	4000

## Helwan UK-2

Notes: This is an almost direct copy of the Russian M-43 120mm mortar; changes include a permanent fixture on the muzzle to prevent double loading, and a new Thompson-Brandt baseplate.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Helwan UK-2	93.4 kg	96.6 kg	90 kg	2 kg	282 kg (338 kg carriage)	\$17885

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Helwan UK-2	1	120mm Eastern	6	CHEM	460	5520 (8280 RAP)
				HE	460	5520 (8280 RAP)
				ICM-DP	460	5520 (8280 RAP)
				ILLUM	460	5520 (8280 RAP)
				WP	460	5520 (8280 RAP)

## Patria Vammas 60mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Patria Vammas 60mm Standard	5.75 kg	3.05 kg	5.75 kg	1.45 kg	16 kg	\$4100
Patria Vammas 60mm Long Range	7.75 kg	3.05 kg	5.75 kg	1.45 kg	18 kg	\$4600

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Patria Vammas 60mm Standard	2	60mm Western	3	HE	150	2600
				ILLUM	150	2600
				Smoke	150	2600
				WP	150	2600
Patria Vammas 60mm Long Range	2	60mm Western	3	HE	150	4000
				ILLUM	150	4000
				Smoke	150	4000
				WP	150	4000

## Patria Vammas 60mm Commando

Notes: The firing tables are in a rotating scale around the barrel.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Patria Vammas 60mm Commando	6.7 kg	5.5 kg	4.8 kg	1 kg	18 kg	\$4600

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Patria Vammas 60mm Commando</b>	2	60mm Western	2	HE	100	2000
				ILLUM	100	2000
				Smoke	100	2000
				WP	100	2000

### Patria Vammas 81mm Commando

Notes: The barrel is short and the bipod and baseplate cut to the bare minimum.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Patria Vammas 81mm Commando</b>	12.1 kg	7.5 kg	4.8 kg	1 kg	25.4 kg	\$6475

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>81mm Commando</b>	2	81mm Western	3	GAMP	100	2000
				HE	100	2000
				ILLUM	100	2000
				Merlin	100	4500
				Smoke	100	2000
				WP	100	2000

### Patria Vammas 81mm Standard

Notes: Elevation and deflection gears are sealed against dirt, dust, water, and weather.



Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
81mm Standard Normal Barrel	15.3 kg	12.6 kg	11.1 kg	1 kg	40 kg	\$10200
81mm Standard Long Barrel	18.3 kg	12.6 kg	11.1 kg	1 kg	43 kg	\$11000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
81mm Standard Normal Barrel	1	81mm Western	4	GAMP	150	5900
				HE	150	5900
				ILLUM	150	5900
				Merlin	150	4500
				Smoke	150	5900
				WP	150	5900
81mm Standard Long Barrel	1	81mm Western	4	GAMP	150	6100
				HE	150	6100
				ILLUM	150	6100
				Merlin	150	4500
				Smoke	150	6100
				WP	150	6100

### Patria Vammas 81mm Long Range

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price

<b>81mm Long Range Normal Barrel</b>	21.6 kg	17.7 kg	15.7 kg	1 kg	56 kg	\$14300
<b>81mm Long Range Long Barel</b>	26.6 kg	17.7 kg	15.7 kg	1 kg	61 kg	\$15600

<b>Weapon</b>	<b>ROF</b>	<b>Ammo</b>	<b>Crew</b>	<b>Round</b>	<b>Min Range</b>	<b>IFR</b>
<b>81mm Long Range Normal Barrel</b>	1	81mm Western	4	GAMP	150	6300
				HE	150	6300
				ILLUM	150	6300
				Merlin	150	4500
				Smoke	150	6300
				WP	150	6300
<b>81mm Long Range Long Barrel</b>	1	81mm Western	4	GAMP	150	6700
				HE	150	6700
				ILLUM	150	6700
				Merlin	150	4500
				Smoke	150	6700
				WP	150	6700

### **Patria Vammas 120mm Long-Range**

Notes: The mortar comes on a wheeled carriage for towing behind a light vehicle. The mortar can be brought into action from this carriage within 1 minute.

<b>Weapon</b>	<b>Barrel</b>	<b>Baseplate</b>	<b>Bipod</b>	<b>Sight</b>	<b>Total</b>	<b>Price</b>
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<b>120mm Long Range</b>	95 kg	126 kg	63 kg	Included with Bipod	492 kg (208 kg Carriage)	\$14200
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Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>120mm Long Range</b>	1	120mm Western	5	CHEM	300	8600 (12900 RAP)
				GAMP	300	8600 (12900 RAP)
				HE	300	8600 (12900 RAP)
				ICM-DP	300	8600 (12900 RAP)
				ILLUM	300	8600 (12900 RAP)
				Strix	300	6500
				WP	300	8600 (12900 RAP)

**Patria Vammas 120mm Standard**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>120mm Standard</b>	51 kg	69 kg	33 kg	2 kg	309 kg (154 kg Carriage)	\$9000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>120mm Standard</b>	1	120mm Western	5	CHEM	300	7300 (10950 RAP)
				GAMP	300	7300 (10950 RAP)

				HE	300	7300 (10950 RAP)
				ICM-DP	300	7300 (10950 RAP)
				ILLUM	300	7300 (10950 RAP)
				Strix	300	6500
				WP	300	7300 (10950 RAP)

### Patria Vammas 160mm M-58

Notes: The weapon and carriage are integrated and do not come apart.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
160mm M-58	NA	NA	NA	NA	1450 kg	\$13000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
160mm M-58	1/2	160mm Russian/Finnish/Israeli	6	CHEM	600	10000
	1/2			HE	600	10000
	1/2			WP	600	10000

## FLT-K TN-8111

Notes: This small mortar is little more than a short tube and a strap. It has an integrated propulsion unit, which leads to no firing signature. Sound is limited to 52 decibels at 100m.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
FLT-K TN-8111	NA	NA	NA	NA	4.8 kg	\$1000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
FLT-K TN-8111	2	51mm TN	1	FRAG-HE	10	650
	2			ILLUM	10	650
	2			Smoke	10	650

## TDA MO 60 Commando Mortar

Notes: The MO 60 CV can be drop-fired only. The MO 60 CA has a trigger.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 60 CV	NA	NA	NA	NA	8.1 kg	\$2000
MO 60 CA	NA	NA	NA	NA	10 kg	\$2500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
TDA MO 60	2	60mm Western	2	HE	100	1050
				ILLUM	100	1050
				Smoke	100	1050
				WP	100	1050

## TDA MO 60 L

Notes: The barrel and breech piece are strong enough that if the baseplate sinks into soft ground, the barrel can be used as a lever or to yank the baseplate back out of the ground.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 60 L	3.8 kg	6 kg	5 kg	0.7 kg	15.5 kg	\$3575

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
MO 60 L	2	60mm Western	2	HE	80	2060
				ILLUM	80	2060
				Smoke	80	2060
				WP	80	2060

## TDA MO 60 LP

Notes: The MO 60 LP is a more-or-less standard 60mm mortar with an elongated and strengthened barrel, but is otherwise typical for a 60mm mortar.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 60 LP	10.1 kg	14 kg	9.5 kg	0.7 kg	23.7 kg	\$5465

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
MO 60 LP	2	60mm Western	2	HE	100	4800
				ILLUM	100	4800
				Smoke	100	4800
				WP	100	4800

**TDA MO 81 Light Mortar**

<b>Weapon</b>	<b>Barrel</b>	<b>Baseplate</b>	<b>Bipod</b>	<b>Sight</b>	<b>Total</b>	<b>Price</b>
<b>MO 81 LC</b>	12.7 kg	14 kg	12.5 kg	0.7 kg	39.9 kg	\$9200
<b>MO 81 LL</b>	15 kg	15 kg	12.5 kg	0.7 kg	43.2 kg	\$11000
<b>MO 81 LLR</b>	15.1 kg	15 kg	12.5 kg	0.7 kg	43.3 kg	\$12500

<b>Weapon</b>	<b>ROF</b>	<b>Ammo</b>	<b>Crew</b>	<b>Round</b>	<b>Min Range</b>	<b>IFR</b>
<b>TDA MO 81 LC</b>	1	81mm Western	3	GAMP	80	4140
				HE	80	4140
				ILLUM	80	4140
				Merlin	80	4500
				Smoke	80	4140
				WP	80	4140
<b>TDA MO 81 LL</b>	1	81mm Western	3	GAMP	90	5000
				HE	90	5000
				ILLUM	90	5000
				Merlin	90	4500
				Smoke	90	5000
				WP	90	5000
<b>TDA MO 81 LLR</b>	1	81mm Western	3	GAMP	250	6000
				HE	250	6000

				ILLUM	250	6000
				Merlin	250	4500
				Smoke	250	6000
				WP	250	6000

### TDA MO 81 LP Long-Range Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 81 LP	42.2 kg	35.8 kg	15.7 kg	0.7 kg	94.4 kg	\$17300

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
TDA MO 81 LP	1	81mm Western	3	81 LP HE	135	7800
				GAMP	100	5800
				HE	100	5800
				ILLUM	100	5800
				Merlin	100	4500
				Smoke	100	5800
				WP	100	5800

### TDA MO 120 L

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 120 L	28 kg	32 kg	24 kg	0.9 kg	84.9 kg	\$12000



Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>TDA MO 120 L</b>	1	120mm Western	4	CHEM	600	4750 (7125 RAP)
				GAMP	600	4750 (7125 RAP)
				HE	600	4750 (7125 RAP)
				ICM-DP	600	4750 (7125 RAP)
				ILLUM	600	4650 (7125 RAP)
				Strix	600	6500
				WP	600	4750 (7125 RAP)

### TDA MO 120 LT

Notes: This mortar may be fired at ROF 2 for up to one minute.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>MO 120 LT</b>	62 kg	80 kg	25 kg	1.4 kg	248.4 kg (80 kg Carriage)	\$12300

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>TDA MO 120 LT</b>	1	120mm Western	4	CHEM	515	7000 (10500 RAP)
				GAMP	515	7000 (10500 RAP)
				HE	515	7000 (10500 RAP)
				ICM-DP	515	7000 (10500 RAP)

				ILLUM	515	7000 (10500 RAP)
				Strix	515	6500
				WP	515	7000 (10500 RAP)

### TDA MO 120 M65

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MO 120 M65	44 kg	36 kg	24 kg	1.4 kg	145.4 kg (40 kg Carriage)	\$12250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
TDA MO 120 M65	1	120mm Western	3	CHEM	500	8120 (12180 RAP)
				GAMP	500	8120 (12180 RAP)
				HE	500	8120 (12180 RAP)
				ICM-DP	500	8120 (12180 RAP)
				ILLUM	500	8120 (12180 RAP)
				Strix	500	8120 (12180 RAP)
				WP	500	8120 (12180 RAP)

### TDA Proximity Mortar

Notes: It is light and can easily be carried in a shoulder bag by one man. It has a light tubular bipod

which folds along the barrel when not in use, and sliding this bipod up and down the barrel changes elevation.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Proximity Mortar	NA	NA	NA	NA	6 kg	\$1500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
TDA Proximity Mortar	2	60mm Western	1	HE	110	650
				ILLUM	350	900
				Smoke	110	650
				WP	110	650

## E-44

Notes: It is capable of firing most known 81mm rounds, and the K-type bipod legs allow all leveling to be done by adjusting only one leg. The E-44 is said to excel at traversing fire.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
E-44	15.1 kg	11.7 kg	14.1 kg	2.9 kg	40.9 kg	\$15495

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
E-44	81mm Western	3	1	GAMP	100	5900
			1	HE	100	5900
			1	ILLUM	100	5900
			1	Merlin	100	4500
			1	Smoke	100	5900
			1	WP	100	5900

## E-56

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
E-56	93.4 kg	107.7 kg	56 kg	2.9 kg	650 kg (390 kg Carriage)	\$21880

Weapon	Ammo	Crew	ROF	Round	Min Range	IFR
E-56	120mm Western	5	1	CHEM	600	9000 (13500 RAP)
			1	GAMP	900	9000 (13500 RAP)

			1	HE	900	9000 (13500 RAP)
			1	ICM- DP	900	9000 (13500 RAP)
			1	ILLUM	900	9000 (13500 RAP)
			1	Strix	900	6500
			1	WP	900	9000 (13500 RAP)

## IOF 51mm E-1

Notes: This Indian commando-type mortar is more or less a direct copy of the British World War 2 2" mortar.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
IOF 51mm E-1	NA	NA	NA	NA	6.1 kg	\$195

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
IOF 51mm E-1	2	51mm British/Israeli	1	HE	200	850
				ILLUM	200	850
				Smoke	200	850
				WP	200	850

## IOF 81mm E-1

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
81mm E-1 Standard	14.5 kg	14.4 kg	11.7 kg	1.2 kg	41.8 kg	\$10450
81mm E-1 Improved	17.4 kg	14.4 kg	11.7 kg	1.2 kg	44.7 kg	\$11175

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
81mm E-1 Standard	1	81mm Western	3	GAMP	72	5000
				HE	72	5000
				ILLUM	72	5000
				Merlin	72	4500

				Smoke	72	5000
				WP	72	5000
<b>81mm E-1 Improved</b>	1	81mm Western	3	GAMP	72	6000
				HE	72	6000
				ILLUM	72	6000
				Merlin	72	4500
				Smoke	72	6000
				WP	72	6000

**IOF 120mm E-1**

<b>Weapon</b>	<b>Barrel</b>	<b>Baseplate</b>	<b>Bipod</b>	<b>Sight</b>	<b>Total</b>	<b>Price</b>
<b>120mm E-1 Standard</b>	68 kg	80 kg	86 kg	2 kg	373 kg (137 kg Carriage)	\$10760
<b>120mm E-1 Improved</b>	83 kg	80 kg	86 kg	2 kg	388 kg (137 kg Carriage)	\$11200

<b>Weapon</b>	<b>ROF</b>	<b>Ammo</b>	<b>Crew</b>	<b>Round</b>	<b>Min Range</b>	<b>IFR</b>
<b>120mm E-1 Standard</b>	1	120mm Western	5	CHEM	300	6650 (9975 RAP)
				GAMP	300	6650 (9975 RAP)
				HE	300	6650 (9975 RAP)
				ICM-DP	300	6650 (9975 RAP)

				ILLUM	300	6650 (9975 RAP)
				Strix	300	6500
				WP	300	6650 (9975 RAP)
<b>120mm E-1 Improved</b>	1	120mm Western	5	CHEM	300	10000 (15000 RAP)
				GAMP	300	10000 (15000 RAP)
				HE	300	10000 (15000 RAP)
				ICM-DP	300	10000 (15000 RAP)
				ILLUM	300	10000 (15000 RAP)
				Strix	300	6500
				WP	300	10000 (15000 RAP)



## Marsh Mortar

Notes: During the first war with Iraq in the 1980s, Iranian forces discovered that their conventional mortars often could not be employed in the marshes on the border between the two countries because the mortars' recoil caused the baseplate to sink into the soft mud of the marsh. The Marsh Mortar was designed to overcome this problem. It is basically a mortar of low caliber with low recoil forces and short range. It is hand held and drop fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Marsh Mortar	NA	NA	NA	NA	4.72 kg	\$725

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Marsh Mortar	2	37mm Iranian	2	HE	20	600

## Hadid 60mm

Notes: This is an almost direct copy of the Israeli Soltam 60mm Standard mortar. The mortar can be employed with an abbreviated baseplate and no bipod as a commando-type mortar; in this case, a simple drum-type sight near the muzzle is used. More normal employment is with a standard baseplate and bipod; in this case, the Hadid 60mm uses a very complex sight that can be difficult to set and level.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Hadid 60mm	6 kg	6.5 kg	4 kg	1 kg	17.5 kg	\$2690

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Hadid 60mm	2	60mm Western	2	HE	150	2550
				ILLUM	150	2550
				Smoke	150	2550
				WP	150	2550

## Hadid 81mm

Notes: As far as can be told, this is a virtually exact copy of the Israeli Soltam 81mm Standard mortar (one-piece barrel version). It does, however, have the same sort of complex sight as the Hadid 60mm mortar.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Hadid 81mm	18 kg	17.5 kg	13.5 kg	1.5 kg	50.5 kg	\$7755

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Hadid 81mm	1	81mm Western	3	GAMP	150	4900
				HE	150	4900
				ILLUM	150	4900
				Merlin	150	4500
				Smoke	150	4900
				WP	150	4900

## Hadid 120mm

Notes: This is another close copy of an Israeli Soltam design, in this case the K-6. Other than the sight, it is pretty much the same as the Israeli mortar.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Hadid 120mm	42.5 kg	62 kg	32.5 kg	1.5 kg	316.5 kg (Carriage, 178 kg)	\$18000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Hadid 120mm	1	120mm Western	4	CHEM	250	6200 (9300 RAP)

				GAMP	250	6200 (9300 RAP)
				HE	250	6200 (9300 RAP)
				ICM-DP	250	6200 (9300 RAP)
				ILLUM	250	6200 (9300 RAP)
				Strix	250	6500
				WP	250	6200 (9300 RAP)

### T-1 Commando F/Commando N

Notes: These are Iranian Commando mortars, different from almost all other Iranian mortars in that they are not Israeli designs. The Commando F is the longer of the two, with the longer range, but both are hand-held mortars using a marked strap for elevation and a mark on the barrel for aiming. The Commando F has a spade-type baseplate with a handle with a trigger. The Commando N is a far simpler mortar, being a simple tube with a button baseplate. It is drop fired only.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Commando F	NA	NA	NA	NA	6.25 kg	\$1545
Commando N	NA	NA	NA	NA	6.2 kg	\$1165

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Commando F	2	60mm Western	1	HE	50	1050
				ILLUM	50	1050
				Smoke	50	1050
				WP	50	1050
Commando N	2	60mm Western	1	HE	200	800

				ILLUM	200	800
				Smoke	200	800
				WP	200	800

### Al-Jaleel 60mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Al-Jaleel 60mm	8.25 kg	4 kg	8.3 kg	1.45 kg	22 kg	\$5500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Al-Jaleel 60mm	2	60mm Eastern	2	HE	50	2500
				ILLUM	50	2500
				Smoke	50	2500
				WP	50	2500

### Al-Jaleel 82mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Al-Jaleel 82mm	24.34 kg	12.17 kg	24.49 kg	2 kg	63 kg	\$9000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Al-Jaleel 82mm	1	82mm Eastern	4	HE	75	4900
				ILLUM	75	4900
				Smoke	75	4900
				WP	75	4900

### Al-Jaleel 120mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
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<b>Al-Jaleel 120mm</b>	58.07 kg	29.49 kg	58.44 kg	2 kg	148 kg	\$15000
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<b>Weapon</b>	<b>ROF</b>	<b>Ammo</b>	<b>Crew</b>	<b>Round</b>	<b>Min Range</b>	<b>IFR</b>
<b>Al-Jaleel 120mm</b>	1	120mm Eastern	6	CHEM	550	5400
				HE	550	5400
				ICM-DP	550	5400
				ILLUM	550	5400
				WP	550	5400

## IMI 52mm Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
IMI 52mm	NA	NA	NA	NA	7.9 kg	\$250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
IMI 52mm Mortar	2	52mm Israeli	1	HE	130	420
				ILLUM	130	420
				Smoke	130	420

## Soltam 81mm Long-Range Mortars

Notes: The Soltam 81mm long-range mortars come in two types: One with a normal one-piece barrel, and one with a two-piece barrel that is split in the middle for ease of carry.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Soltam 81mm Long-Range	(Normal) 22.5 kg, (Split Barrel) 24.5 kg	12.5 kg	14 kg	1.55 kg	(Normal) 50.55 kg, (Split Barrel) 52.55 kg	\$14500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Soltam 81mm Long-Range	1	81mm Western	3	GAMP	150	6500
				HE	150	6500
				ILLUM	150	6500
				Merlin	150	4500
				Smoke	150	6500

				WP	150	6500
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**Soltam 81mm Standard Mortars**

Notes: The Soltam 81mm standard mortars come in two types: One with a normal, one-piece barrel, and one with a two-piece barrel that is split in the middle for ease of carry.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Soltam 81mm Standard</b>	(Normal) 15.5 kg, (Split Barrel) 17.5 kg	12.5 kg	14 kg	1.55 kg	(Normal) 43.55 kg, (Split Barrel) 45.55 kg	\$11000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Soltam 81mm Standard</b>	1	81mm Western	3	GAMP	150	4900
				HE	150	4900
				ILLUM	150	4900
				Merlin	150	4500
				Smoke	150	4900
				WP	150	4900

**Soltam C-03/C-576**

Notes: These are Commando-type mortars (that is, without bipods or conventional sights) that are related to the C-06 and C-08 mortars described below.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Soltam C-03</b>	NA	NA	NA	NA	6.7 kg	\$250
<b>Soltam C-576</b>	NA	NA	NA	NA	6.3 kg	\$400



Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Soltam C-03</b>	2	60mm Western	1	HE	100	1000
				ILLUM	100	1000
				Smoke	100	1000
				WP	100	1000
<b>Soltam C-576</b>	2	60mm Western	1	HE	150	1600
				ILLUM	150	1600
				Smoke	150	1600
				WP	150	1600

### Soltam C-06/C-08

Notes: The C-06 is the long-range version, while the C-08 is a shorter barrel, shorter-range version. They may be drop-fired or trigger-fired.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Soltam C-06</b>	6.7 kg	5.5 kg	4.7 kg	1.1 kg	18 kg	\$4500
<b>Soltam C-08</b>	4.7 kg	5.1 kg	4.5 kg	1 kg	15.3 kg	\$4075

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Soltam C-06</b>	2	60mm Western	2	HE	150	4000
				ILLUM	150	4000
				Smoke	150	4000
				WP	150	4000

<b>Soltam C-08</b>	2	60mm Western	2	HE	150	2550
				ILLUM	150	2550
				Smoke	150	2550
				WP	150	2550

### Soltam K-5 and K-6

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Soltam K-5</b>	46.5 kg	62 kg	31.5 kg	1.5 kg	266.5 kg (Carriage, 126 kg)	\$15500
<b>Soltam K-6</b>	50 kg	62 kg	32 kg	1.5 kg	323.5 kg (Carriage, 178 kg)	\$18000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Soltam K-5</b>	1	120mm Western	4	CHEM	250	6250 (9375 RAP)
				GAMP	250	6250 (9375 RAP)
				HE	250	6250 (9375 RAP)
				ICM-DP	250	6250 (9375 RAP)
				ILLUM	250	6250 (9375 RAP)
				Strix	250	6500
				WP	250	6250 (9375 RAP)
<b>Soltam K-6</b>	1	120mm Western	4	CHEM	200	7200 (10800 RAP)
				GAMP	200	7200 (10800 RAP)

				HE	200	7200 (10800 RAP)
				ICM-DP	200	7200 (10800 RAP)
				ILLUM	200	7200 (10800 RAP)
				Strix	200	6500
				WP	200	7200 (10800 RAP)

### Soltam M-65/A-7

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Soltam M-65</b>	82 kg	80 kg	69 kg	1.5 kg	352.5 kg (120 kg Carriage)	\$16000
<b>Soltam A-7</b>	102 kg	85 kg	70 kg	1.5 kg	378.5 kg (120 kg Carriage)	\$19600

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Soltam M-65</b>	1	120mm Western	4	CHEM	400	6500 (9750 RAP)
				GAMP	400	6500 (9750 RAP)
				HE	400	6500 (9750 RAP)
				ICM-DP	400	6500 (9750 RAP)
				ILLUM	400	6500 (9750 RAP)
				Strix	400	6500
				WP	400	6500 (9750 RAP)
<b>Soltam A-7</b>	1	120mm Western	4	CHEM	400	8500 (12750 RAP)

				GAMP	400	8500 (12750 RAP)
				HE	400	8500 (12750 RAP)
				ICM-DP	400	8500 (12750 RAP)
				ILLUM	400	8500 (12750 RAP)
				Strix	400	6500
				WP	400	8500 (12750 RAP)

### Soltam M-66

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Soltam M-66	NA	NA	NA	NA	1700 kg	\$25000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Soltam M-66	1/2	160mm Russian/Finnish/Israeli	6-8	CHEM	600	9600
				HE	600	9600
				WP	600	9600

## Breda Light Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Breda Light Mortar	14.4 kg	13 kg	15.5 kg	0.9 kg	43.8 kg	\$11000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Breda Light Mortar	1	81mm Western	3	GAMP	75	5000
				HE	75	5000
				ILLUM	75	5000
				Merlin	75	4500
				Smoke	75	5000
				WP	75	5000

### Pakistani 60mm Light Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
60mm Light	4.5 kg	5.7 kg	4.6 kg	0.6 kg	15.4 kg	\$3055

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
60mm Light	2	60mm Eastern	1	HE	50	2000
				ILLUM	50	2000
				Smoke	50	2000
				WP	50	2000

### Pakistani 81mm Light Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
81mm Light	14.5 kg	14.8 kg	12.2 kg	0.7 kg	42.2 kg	\$9730

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
81mm Light	1	81mm Western	3	GAMP	75	5000
				HE	75	5000
				ILLUM	75	5000
				Merlin	75	4500
				Smoke	75	5000
				WP	75	5000

## Pakistani 120mm Heavy Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
120mm Heavy	76 kg	80 kg	86 kg	2 kg	381 kg (137 kg Carriage)	\$11600

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
120mm Heavy	1	120mm Western	4	CHEM	300	8950 (13425 RAP)
				GAMP	300	8950 (13245 RAP)
				HE	300	8950 (13245 RAP)
				ICM-DP	300	8950 (13245 RAP)
				ILLUM	300	8950 (13245 RAP)
				Strix	300	6500
				WP	300	8950 (13245 RAP)

**LM-60D**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
LM-60D	8 kg	4 kg	8 kg	0.9 kg	20.9 kg	\$5000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
LM-60D	2	60mm Eastern	2	HE	100	3000
				HEAT	100	3000
				ILLUM	100	3000
				Smoke	100	3000
				WP	100	3000

**LM-60K**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
LM-60K	NA	NA	NA	NA	8 kg	\$2000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
LM-60K	2	60mm Eastern	1	HE	100	1400
	2			HEAT	100	1400
	2			ILLUM	100	1400
	2			Smoke	100	1400
	2			WP	100	1400

**M-98**



Notes: This mortar was designed for one purpose – to comply with the CFE treaty. This is why it has an unusual caliber – mortars above 100mm are one of the weapons that are limited in number under the CFE treaty.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-98	44 kg	23 kg	41 kg	2 kg	210 kg (100 kg Carriage)	\$52500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-98	1	98mm Polish	4	HE	100	7000
				ILLUM	100	7000
				Smoke	100	7000
				WP	100	7000

## INDEP Commando

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Commando	NA	NA	NA	NA	6.6 kg	\$1425

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Commando	2	60mm Western	1	HE	50	1050
				ILLUM	50	1050
				Smoke	50	1050
				WP	50	1050

## INDEP HP (FBP)

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
HP (FBP) Long	18.5 kg	(Normal) 13 kg, (Small) 2.8 kg	13.5 kg	0.85 kg	(Normal Baseplate) 45.85 kg, (Small Baseplate) 35.65 kg	\$11500
HP (FBP) Short	15 kg	(Normal) 13 kg, (Small (2.8 kg)	13.5 kg	0.85 kg	(Normal Baseplate) 42.35 kg, (Small Baseplate) 32.15 kg	\$10625

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
HP (FBP) Long	1	81mm Western	3	GAMP	100	3635
				HE	100	3635
				ILLUM	100	3635
				Merlin	100	4500

				Smoke	100	3635
				WP	100	3635
<b>HP (FBP) Short</b>	1	81mm Western	3	GAMP	85	3515
				HE	85	3515
				ILLUM	85	3515
				Merlin	85	4500
				Smoke	85	3515
				WP	85	3515

### INDEP M/965

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M/965</b>	5.3 kg	5.25 kg	4.25 kg	0.7 kg	15.5 kg	\$3875

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M/965</b>	2	60mm Western	2	HE	50	1820
				ILLUM	50	1820
				Smoke	50	1820
				WP	50	1820

### Romatehnica 82mm Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Romatehnica 82mm	16.1 kg	10.75 kg	16.1 kg	0.6 kg	43.55 kg	\$10375

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Romatehnica 82mm	1	82mm Eastern	3	HE	100	4500
				ILLUM	100	4500
				Smoke	100	4500
				WP	100	4500

### Romatehnica 120mm Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Romatehnica 120mm	77.6 kg	58.15 kg	45.25 kg	1.5 kg	342.5 kg (160 kg Carriage)	\$12100

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Romatehnica 120mm	1	120mm Eastern	4	CHEM	420	5775
				HE	420	5775
				ICM-DP	420	5775
				ILLUM	420	5775
				WP	420	5775

### Romatehnica Commando Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Romatehnica Commando	NA	NA	NA	NA	7.6 kg	\$1885

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Romatehnica Commando	2	60mm Western	1	HE	100	1500
				ILLUM	100	1500
				Smoke	100	1500
				WP	100	1500

### Romatehnica Standard 60mm Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Romatehnica Standard	8.36 kg	4.18 kg	8.36 kg	0.6 kg	21.5 kg	\$4500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Romatehnica Standard	2	60mm Eastern or Western	2	HE	100	3000
				ILLUM	100	3000
				Smoke	100	3000
				WP	100	3000

## AM 2B9 Vasilek

Real World Story: The Vasilek (Cornflower) is a revolutionary concept among mortars: it is a clip-fed automatic mortar. It is fed by 4-round clips that can be continuously fed into the weapon, allowing a high rate of fire. The barrel is strong enough that during long fire missions, it can be cooled by dousing it with water without worrying about cracking it. The Vasilek can fire in the indirect fire mode or direct fire like an autocannon. For direct fire missions, a special HEAT round may be used against light armor. (Large Caliber Gun skill is used when firing in the direct fire role, the ROF is halved.)

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Vasilek	NA	NA	NA	NA	635 kg (645 kg Traveling)	\$97000

Weapon	Ammo	Crew	ROF	Round	DF Range	IFR
Vasilek	82mm Eastern	4	10	HEAT	200	4270
			10	HE	200	4270
			10	M-74 HE	200	5830
			10	Smoke	200	4270
			10	WP	200	4270

## 2B14 Podnos

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
2B14 Podnos	15.7 kg	10.5 kg	15.7 kg	0.9 kg	42.8 kg	\$7100

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
2B14 Podnos	1	82mm Eastern	3	HE	80	4100
				ILLUM	80	4100

				M-74 HE	80	5600
				Smoke	80	4100
				WP	80	4100

## 2S11 Sani

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
2S11 Sani	90 kg	67.5 kg	52.5 kg	0.9 kg	297.9 kg (Carriage 87 kg)	\$13200

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
2S11 Sani	1	120mm Eastern	4	CHEM	480	7100 (7870 RAP)
				HE	480	7100 (7870 RAP)
				ICM-DP	480	7100 (7870 RAP)
				ILLUM	480	7100 (7870 RAP)
				WP	480	7100 (7870 RAP)

## M-1938

Notes: The ammunition is not interchangeable with the US 4.2" mortar ammunition, though both are of the same caliber.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-1938	72.9 kg	54.6 kg	42.5 kg	1.5 kg	341.5 kg (170 kg Carriage)	\$12775

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-1938	1	107mm Russian	4	CHEM	800	5150

				HE-Heavy	800	5150
				HE-Light	800	6300
				ILLUM	800	5150
				WP	800	5150

### M-37

Notes: Polish M-37s can usually be readily identified by the muzzle attachment to prevent double loading, but most M-37s are of standard Russian design.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-37</b>	19 kg	15.1 kg	21.9 kg	0.9 kg	56.9 kg	\$9430

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-37</b>	1	82mm Eastern	3	HE	85	3040
				ILLUM	85	3040
				M-74 HE	85	4150
				Smoke	85	3040
				WP	85	3040

### M-41

Notes: The M-41 proved to be a rather poor weapon, difficult to aim properly and unstable when firing (all firing tasks are one level more difficult).

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-41</b>	19.5 kg	14 kg	20.3 kg	0.9 kg	52.9 kg (58.9 kg with Wheels)	\$9430



Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-41	1	82mm Eastern	3	HE	85	3040
				ILLUM	85	3040
				M-74 HE	85	4150
				Smoke	85	3040
				WP	85	3040

### M-43 120mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-43	120 kg	90 kg	70 kg	0.9 kg	563 kg (282.1 kg Carriage)	\$24945

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-43	1	120mm Eastern	4	CHEM	460	5700
				HE	480	5700
				ICM-DP	480	5700
				ILLUM	480	5700
				WP	480	5700

### M-43 160mm/M-160

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-43	NA	NA	NA	NA	1270 kg	\$11385
M-160	NA	NA	NA	NA	1470 kg	\$13180

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-43</b>	1/2	160mm Russian/Finnish/Israeli	6	CHEM	630	5150
	1/2			HE	630	5150
	1/2			WP	630	5150
<b>M-160</b>	1/2	160mm Russian/Finnish/Israeli	6	CHEM	750	8040
	1/2			HE	750	8040
	1/2			WP	750	8040

### Nona SVK-M

Notes: This is the towed infantry version of the mortar/howitzer carried on the 2S9 and 2S23 vehicles. It fires normal Warsaw Pact 120mm mortar shells, and in addition fires RAP and GAMP, as well as ICM-DP shells. It is breech-loaded, and can be parachuted and carried on a helicopter able to handle the large load.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>Nona SVK-M</b>	167 kg	125 kg	97.5 kg	1.5 kg	631 kg (240 kg Carriage)	\$22000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>Nona SVK-M</b>	1	120mm Eastern and Western	4	CHEM	900	8800 (13200 RAP)
				GAMP	900	8800 (13200 RAP)
				HE	900	8800 (13200 RAP)
				ICM-DP	900	8800 (13200 RAP)

				ILLUM	900	8800 (13200 RAP)
				WP	900	8800 (13200 RAP)

## Vena

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Vena (Vehicular Mount Only)	NA	NA	NA	NA	NA	NA

Weapon	ROF	Round	Damage	Penetration	DF Range	IFR
Vena 120mm	1	CHEM	C3 (B12)	Nil	200	7200 (10800 RAP)
	1	Flechette	B50D	1-Nil	150	Nil
	1	GAMP	C8 B24	60C (TA)	200	7200 (10800 RAP)
	1	HE	C16 B44	0C (TA)	200	7200 (10800 RAP)
	1	HEAT	C4 B12	110C	360	13000
	1	ICM-DP	B36	Grenade*	---	7200 (10800 RAP)
	1	Kitolov GAMP	C8 B24	60C (TA)	360	13000
	1	Strix	C8 B8	90C (TA)	200	6500
	1	Vena HE-FRAG	C19 B28	3C	360	13000
	1	Vena HE RAP	C19 B28	3C	360	14500

	1	WP	C3 B36	Nil	200	7200 (10800 RAP)
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## CIS 60mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
CIS 60mm	5.4 kg	5.4 kg	4.8 kg	1.2 kg	16.8 kg	\$4200

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
CIS 60mm	2	60mm Western	2	HE	150	2555
				ILLUM	150	2555
				Smoke	150	2555
				WP	150	2555

## CIS 81mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
CIS 81mm	14.8 kg	13.6 kg	13.5 kg	1.7 kg	43.6 kg	\$10900

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
CIS 81mm	1	81mm Western	4	GAMP	80	6200
				HE	80	6200
				ILLUM	80	6200
				Merlin	80	4500
				Smoke	80	6200
				WP	80	6200

## CIS 120mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
CIS 120mm	80 kg	85 kg	70 kg	1.7 kg	512 kg (275.3 kg Carriage)	\$14770

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
CIS 120mm	1	120mm Western	5	CHEM	400	6500 (8125 RAP)
				GAMP	400	6500 (8125 RAP)
				HE	400	6500 (8125 RAP)
				ICM-DP	400	6500 (8125 RAP)
				ILLUM	400	6500 (8125 RAP)
				Strix	400	6500
				WP	400	6500 (8125 RAP)

## CIS Commando Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
CIS Commando	NA	NA	NA	NA	6 kg	\$1100

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
CIS Commando	2	60mm Western	1	HE	150	1080
				ILLUM	150	1080
				Smoke	150	1080
				WP	150	1080

### Vektor M-1

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-1	4 kg	6.7 kg	5.6 kg	1.5 kg	17.8 kg	\$4450

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-1	2	60mm Western	2	HE	100	2110
				ILLUM	100	2110
				Smoke	100	2110
				WP	100	2110

### Vektor M-3

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-3	14.4 kg	14.9 kg	12.2 kg	1.5 kg	43 kg	\$10750
M-8	16.4 kg	14.9 kg	12.2 kg	1.5 kg	45 kg	\$11250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-3 Normal Barrel	1	81mm Western	4	GAMP	100	6000
				HE	100	6000
				ILLUM	100	6000
				Merlin	100	4500
				Smoke	100	6000
				WP	100	6000

<b>M-8 Long-Range</b>	1	81mm Western	4	GAMP	100	7265
				HE	100	7265
				ILLUM	100	7265
				Merlin	100	4500
				Smoke	100	7265
				WP	100	7265

### Vektor M-4/M-4 Mk 1/M-4L3

<b>Weapon</b>	<b>Barrel</b>	<b>Baseplate</b>	<b>Bipod</b>	<b>Sight</b>	<b>Total</b>	<b>Price</b>
<b>M-4</b>	NA	NA	NA	NA	7.6 kg	\$1900
<b>M-4 Mk 1</b>	NA	NA	NA	NA	7 kg	\$1750
<b>M-4L3</b>	NA	NA	NA	NA	7.5 kg	\$1875

<b>Weapon</b>	<b>ROF</b>	<b>Ammo</b>	<b>Crew</b>	<b>Round</b>	<b>Min Range</b>	<b>IFR</b>
<b>M-4 and M-4 Mk 1</b>	2	60mm Western	1	HE	100	2050
				ILLUM	100	2050
				Smoke	100	2050
				WP	100	2050
<b>M-4L3</b>	2	60mm Western	1	HE	100	1200
				ILLUM	100	1200
				Smoke	100	1200
				WP	100	1200



## Vektor M-6

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-6</b>	10 kg	(Standard) 14.9 kg, (Patrol) 6.7 kg	12.2 kg	1.5 kg	(Standard Baseplate) 38.6 kg, (Patrol Baseplate) 30.4 kg	\$9650

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-6</b>	2	60mm Western	3	HE	100	6000
				ILLUM	100	6000
				Smoke	100	6000
				WP	100	6000

**KM-181**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
KM-181	5.5 kg	6.5 kg	6 kg	1.5 kg	19.5 kg	\$4875

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
KM-181	2	60mm Westerm	2	HE	50	3590
				ILLUM	50	3590
				Smoke	50	3590
				WP	50	3590

**KM-187**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
KM-187	12.89 kg	15.12 kg	13.99 kg	1.5 kg	43.5 kg	\$10875

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
KM-187	1	81mm Western	3	GAMP	78	6325
				HE	78	6325
				ILLUM	78	6325
				Merlin	78	4500
				Smoke	78	6325
				WP	78	6325

## EXPAL 60mm Commando Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
60mm Commando	NA	NA	NA	NA	6.5 kg	\$860

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
60mm Commando	2	60mm Western	1	HE	45	1280
				ILLUM	45	1280
				Smoke	45	1280
				WP	45	1280

## EXPAL 60mm Model L/LL

Notes: The Model L may be trigger fired, but the Model LL is drop-fired only.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
60mm Model L	3.94 kg	3.56 kg	4.25 kg	0.4 kg	12.15 kg	\$3050
60mm Model LL	5.59 kg	5.05 kg	6.02 kg	0.4 kg	17.06 kg	\$4300

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
60mm Model L	2	60mm Western	1	HE	50	3800
				ILLUM	50	3800
				Smoke	50	3800
				WP	50	3800
60mm Model LL	2	60mm Western	1	HE	60	4600

				ILLUM	60	4600
				Smoke	60	4600
				WP	60	4600

### EXPAL 81mm LN/LL

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
81mm Model LN	12.09 kg	13.18 kg	15.72 kg	1.5 kg	42.49 kg	\$10580
81mm Model LL	14.59 kg	13.18 kg	15.72 kg	1.5 kg	44.99 kg	\$11225

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
81mm Model LN	1	81mm Western	3	GAMP	100	6200
				HE	100	6200
				ILLUM	100	6200
				Merlin	100	4500
				Smoke	100	6200
				WP	100	6200
81mm Model LL	1	81mm Western	3	GAMP	110	6900
				HE	110	6900
				ILLUM	110	6900
				Merlin	110	4500
				Smoke	110	6900
				WP	110	6900

## EXPAL 120mm Model L

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
120mm Model L	61 kg	100 kg	40 kg	2 kg	368 kg (165 kg Carriage)	\$16400

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
120mm Model L	1	120mm Western	4	CHEM	800	8000 (12000 RAP)
				GAMP	800	8000 (12000 RAP)
				HE	800	8000 (12000 RAP)
				ICM-DP	800	8000 (12000 RAP)
				ILLUM	800	8000 (12000 RAP)
				Strix	800	6500
				WP	800	8000 (12000 RAP)

## EXPAL 120mm Model M-120-13/M-120-15

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
120mm M-120-13	46.58 kg	76.35 kg	30.54 kg	2 kg	281.47 kg (126 kg Carriage)	\$12500
120mm M-120-15	51.18 kg	76.35 kg	30.54 kg	2 kg	286.07 kg (126 kg Carriage)	\$12900

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>120mm M-120-13</b>	1	120mm Western	4	CHEM	800	8000 (12000 RAP)
				GAMP	800	8000 (12000 RAP)
				HE	800	8000 (12000 RAP)
				ICM-DP	800	8000 (12000 RAP)
				ILLUM	800	8000 (12000 RAP)
				Strix	800	6650
				WP	800	8000 (12000 RAP)
<b>120mm M-120-15</b>	1	120mm Western	4	CHEM	825	8250 (12375 RAP)
				GAMP	825	8250 (12375 RAP)
				HE	825	8250 (12375 RAP)
				ICM-DP	825	8250 (12375 RAP)
				ILLUM	825	8250 (12375 RAP)
				Strix	825	6650
				WP	825	8250 (12375 RAP)

**M/29**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M/29	19.64 kg	19.86 kg	19.5 kg	1 kg	60 kg	\$9600

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M/29	1	81mm Western	4	GAMP	65	2600
				HE	65	2600
				ILLUM	65	2600
				Merlin	65	4500
				Smoke	65	2600
				WP	65	2600

**M/41D**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M/41D	121.8 kg	91.28 kg	70.92 kg	1 kg	600 kg (315 kg Carriage)	\$17300

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M/41D	1	120mm Western	5	CHEM	575	6400 (9600 RAP)
				GAMP	575	6400 (9600 RAP)
				HE	575	6400 (9600 RAP)
				ICM-DP	575	6400 (9600 RAP)
				ILLUM	575	6400 (9600 RAP)

				Strix	575	6500
				WP	575	6400 (9600 RAP)



## Model 87 60mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Model 87 60mm	NA	NA	NA	NA	7.6 kg	\$1165

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Model 87 60mm	2	60mm Western	2	HE	65	1000
				ILLUM	65	1000
				Smoke	65	1000
				WP	65	1000

## Model 87 120mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Model 87 120mm	85 kg	94 kg	56 kg	Included with Bipod	728 kg (493 kg Carriage)	\$21000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Model 87 120mm	1	120mm Western	5	CHEM	665	7500 (11250 RAP)
				GAMP	665	7500 (11250 RAP)
				HE	665	7500 (11250 RAP)
				ICM-DP	665	7500 (11250 RAP)

				ILLUM	665	7500 (11250 RAP)
				Strix	665	6500
				WP	665	7500 (11250 RAP)

**Model 1972**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Model 1972	12 kg	16 kg	15 kg	2 kg	45 kg	\$11250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Model 1972	1	81mm Western	3	GAMP	60	4100
				HE	60	4100
				ILLUM	60	4100
				Merlin	60	4500
				Smoke	60	4100
				WP	60	4100

## MKEK Commando

Notes: The bipod incorporates the breech piece and baseplate.

Twilight/Merc 2000 Story: As Real World Story.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MKEK Commando	3	Included with Bipod	4.25 kg	1.15 kg	8.4 kg	\$1945

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
MKEK Commando	2	60mm Western	2	HE	360	1700
				ILLUM	360	1700
				Smoke	360	1700
				WP	360	1700

## MKEK HY-12

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MKEK HY-12	143 kg	152 kg	275 kg	2 kg	622 kg (50 kg Carriage)	\$17885

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
MKEK HY-12	1	120mm Western	6	CHEM	1500	8000 (12000 RAP)
				GAMP	1500	8000 (12000 RAP)
				HE	1500	8000 (12000 RAP)

				ICM-DP	1500	8000 (12000 RAP)
				ILLUM	1500	8000 (12000 RAP)
				Strix	1500	6500
				WP	1500	8000 (12000 RAP)

### MKEK NT-1

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MKEK NT-1	21 kg	15.35 kg	23.5 kg	1.15 kg	61 kg	\$15250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
MKEK NT-1	1	81mm Western	5	GAMP	200	3800
				HE	200	3800
				ILLUM	200	3800
				Merlin	200	4500
				Smoke	200	3800
				WP	200	3800

### MKEK UT-1

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
MKEK UT-1	28.1 kg	19.6 kg	23.5 kg	1.15 kg	72.35 kg	\$18000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>MKEK UT-1</b>	1	81mm Western	6	GAMP	400	5900
				HE	400	5900
				ILLUM	400	5900
				Merlin	400	5900
				Smoke	400	5900
				WP	400	5900

## Ukrainian 82mm Light Mortar

Notes: The muzzle has a device to prevent double loading. Rounds for this mortar include all standard 82mm rounds as well as a special round to fight forest and building fires; the impact of this round extinguishes all fires within the burst radius with 75% efficiency. One variant of this mortar is carries on a motorcycle sidecar; the mortar is lowered to the ground behind the sidecar and fired without disconnecting it from the sidecar. Ammunition is carried on other motorcycle sidecars or light vehicles, and a small amount is carried on the mortar-carrying sidecar itself.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
Ukrainian 82mm Light	10 kg	10 kg	15 kg	1.2 kg	36.2 kg	\$9050

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
Ukrainian 82mm Light	1	82mm Eastern	3	Fire Extinguishing	100	4000
				HE	100	4000
				ILLUM	100	4000
				Smoke	100	4000
				WP	100	4000

## LMLM-120

Notes: The weapon is constructed from high-strength composites and designing a very effective recoil dampening system.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
LMLM-120	18.1 kg	18.1 kg (+ 12.7 kg Energy Absorber)	13.6 kg	2.36 kg	64.86 kg	\$22000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
LMLM-120	1	120mm Western	4	CHEM	170	7240 (10860 RAP)
				GAMP	250	7240 (10860 RAP)
				HE	250	7240 (10860 RAP)
				ICM-DP	250	7240 (10860 RAP)
				ILLUM	250	7240 (10860 RAP)
				Strix	250	6500
				WP	250	7240 (10860 RAP)

## M-2

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-2	6.6 kg	5.2 kg	6.7 kg	0.57 kg	19.07 kg	\$3625

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-2</b>	2	60mm Western	2	HE	91	1816
				ILLUM	91	1816
				Smoke	91	1816
				WP	91	1816

### M-19

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-19</b>	7.25 kg	(M-2) 2.03 kg, (M-5) 5.79 kg	7.42 kg	0.57 kg	(M-2 Baseplate) 17.27 kg, (M-5 Baseplate) 21.03 kg	\$4000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-19 (M-2 Baseplate)</b>	2	60mm Western	2	HE	40	1650
				ILLUM	40	1650
				Smoke	40	1650
				WP	40	1650
<b>M-19 (M-5 Baseplate)</b>	2	60mm Western	2	HE	50	3500
				ILLUM	50	3500
				Smoke	50	3500
				WP	50	3500

### M-29

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
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<b>M-29</b>	12.68 kg	11.3 kg	18.12 kg	1.81 kg	43.91 kg	\$11200
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Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-29</b>	1	81mm Western	3	GAMP	100	6640
				HE	100	6640
				ILLUM	100	6640
				Merlin	100	4500
				Smoke	100	6640
				WP	100	6640

### **M-30**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-30</b>	70.89 kg	(Base Unit) 87.42 kg; (Rotator) 26.05 kg	(Standard) 26.95 kg; (Bridge) 76.55 kg	2.84 kg	290.7 kg	\$74150

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-30</b>	1	4.2" US	5	CHEM	770	6800
				HE	770	6800
				ICM-DP	770	6800
				ILLUM	770	6800
				WP	770	6800

### **M-120/121**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-120</b>	50 kg	61.87 kg	31.93 kg	2.36 kg	321 kg (174.84 kg Carriage)	\$18000

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-120</b>	1	120mm Western	5	CHEM	200	7200 (10800 RAP)
				GAMP	200	7200 (10800 RAP)
				HE	200	7200 (10800 RAP)
				ICM-DP	200	7200 (10800 RAP)
				ILLUM	200	7200 (10800 RAP)
				Strix	200	6500
				WP	200	7200 (10800 RAP)

### M-224 Company Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-224</b>	6 kg	(Light) 1.5 kg, (Heavy) 7.52 kg	6.62 kg	0.57 kg	(Light Baseplate), (Heavy Baseplate) 19.57 kg	\$3655

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-224 (Light/Handheld)</b>	2	60mm Western	2	HE	36	2685
				ILLUM	36	2685

				Smoke	36	2685
				WP	36	2685
<b>M-19 (M-5 Baseplate)</b>	2	60mm Western	2	HE	45	5695
				ILLUM	45	5695
				Smoke	45	5695
				WP	45	5695

## M-252

Notes: This is a British L-16A2 modified for use by US forces. There are very few differences between the M-252 and L-16A2; the most obvious one is the flash attachment on the muzzle of the weapon. This attachment directs muzzle blast upwards, reduces flash, and aids in loading.

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-252</b>	12.25 kg	11.34 kg	11.79 kg	2 kg	37.38 kg	\$9535

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-252</b>	2	81mm Western	3	GAMP	100	5800
				HE	100	5800
				ILLUM	100	5800
				Merlin	100	4500
				Smoke	100	5800
				WP	100	5800

**M-8**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-8	NA	NA	NA	NA	7.3 kg	\$1500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-8	2	50mm Yugoslavian	1	HE	135	480
				ILLUM	135	480
				Smoke	135	480

**M-57**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-57	5.5 kg	6.85 kg	4.5 kg	1 kg	17.85 kg	\$4460

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-57	2	60mm Western	2	HE	75	2540
				ILLUM	75	2540
				Smoke	75	2540
				WP	75	2540

**M-68**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-68	16 kg	11 kg	13 kg	1.5 kg	41.5 kg	\$10375

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-68</b>	1	81mm Western	3	GAMP	90	5000
				HE	90	5000
				ILLUM	90	5000
				Merlin	90	4500
				Smoke	90	5000
				WP	90	5000

### M-69A

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-69A</b>	14.5 kg	15 kg	14 kg	1.5 kg	45 kg	\$6400

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-69A</b>	1	82mm Eastern	3	HE	100	6050
	1			ILLUM	100	6050
	1			Smoke	100	6050
	1			WP	100	6050

### M-69B(D)/M-69-B(K)

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-69B(D)</b>	16.8 kg	16 kg	13.5 kg	1.5 kg	47.8 kg	\$11950
<b>M-69B(K)</b>	14.5 kg	16 kg	13.5 kg	1.5 kg	45.5 kg	\$11375

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-69B(D)</b>	1	81mm Western	3	GAMP	96	5400
				HE	96	5400
				ILLUM	96	5400
				Merlin	96	4500
				Smoke	96	5400
				WP	96	5400
<b>M-69B(K)</b>	1	81mm Western	3	GAMP	85	4800
				HE	85	4800
				ILLUM	85	4800
				Merlin	85	4500
				Smoke	85	4800
				WP	85	4800

### M-70 Commando Mortar

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-70</b>	NA	NA	NA	NA	7.6 kg	\$1800

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-70</b>	2	60mm Western and Eastern	1	HE	100	2540
				ILLUM	100	2540

				Smoke	100	2540
				WP	100	2540

### M-74

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-74	45 kg	49 kg	25 kg	2 kg	221 kg (102 kg Carriage)	\$6500

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-74	1	120mm Western or Eastern	5	CHEM	265	6215 (9323 RAP)
				GAMP	265	6215 (9323 RAP)
				HE	265	6215 (9323 RAP)
				ICM-DP	265	6215 (9323 RAP)
				ILLUM	265	6215 (9323 RAP)
				Strix	265	6500
				WP	265	6215 (9323 RAP)

### M-75

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-75	85 kg	85 kg	25 kg	2 kg	281 kg (84 kg Carriage)	\$8200

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-75</b>	1	120mm Eastern and Western	5	CHEM	275	6340 (9510 RAP)
				GAMP	275	6340 (9510 RAP)
				HE	275	6340 (9510 RAP)
				ICM-DP	275	6340 (9510 RAP)
				ILLUM	275	6340 (9510 RAP)
				Strix	275	6500
				WP	275	6340 (9510 RAP)

### M-90

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>M-90</b>	12.7 kg	6.2 kg	12.6 kg	1.1 kg	32.6 kg	\$8150

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>M-90</b>	2	60mm Western	2	HE	150	5210
				ILLUM	150	5210
				Smoke	150	5210
				WP	150	5210



## M-94 Krusik 60mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-94 Krusik 60mm	9.06 kg	4.37 kg	8.97 kg	1.1 kg	23.5 kg	\$5875

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-94 Krusik	2	60mm Western	2	HE	80	5200
				ILLUM	80	5200
				Smoke	80	5200
				WP	80	5200

## M-94 Krusik 81/82mm

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
M-94 Kusik 81mm or 82mm	25.56 kg	4.37 kg	8.97 kg	1.1 kg	40 kg	\$10250

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
M-94 Krusik 81mm	1	81mm Western	3	GAMP	100	6000
				HE	100	6000
				ILLUM	100	6000
				Merlin	100	4500
				Smoke	100	6000
				WP	100	6000
M-94 Krusik 82mm	1	82mm Eastern	3	HE	100	5300

				ILLUM	100	5300
				Smoke	100	5300
				WP	100	5300

**UBM-52**

Weapon	Barrel	Baseplate	Bipod	Sight	Total	Price
<b>UBM-52</b>	91.64 kg	68.57 kg	237.79 (Includes Carriage)	2 kg	400 kg	\$11540

Weapon	ROF	Ammo	Crew	Round	Min Range	IFR
<b>UBM-52</b>	1	120mm Eastern or Western	6	CHEM	195	8010 (12015 RAP)
				GAMP	195	8010 (12015 RAP)
				HE	195	8010 (12015 RAP)
				ICM-DP	195	8010 (12015 RAP)
				ILLUM	195	8010 (12015 RAP)
				Strix	195	6500
				WP	195	8010 (12015 RAP)

### 37mm Iranian

Round	Damage	Penetration	Weight	Price
HE	C2 B15	-2C	1 kg	\$5

### 50mm Yugoslavian

Round	Damage	Penetration	Weight	Price
HE	C3 B20	0C	1 kg	\$5
ILLUM	(B225)	Nil	1 kg	\$5
Smoke	C2 B5	Nil	1 kg	\$5

### 51mm British/Israeli

Round	Damage	Penetration	Weight	Price
HE	C5 B25	0C	0.9 kg	\$4
ILLUM	(B320)	Nil	0.8 kg	\$3
Smoke	C2 B5	Nil	0.9 kg	\$4
WP	C2 B10	Nil	0.9 kg	\$7

### 51mm TN

Round	Damage	Penetration	Weight	Price
FRAG-HE	C4 B30	Nil	0.78 kg	\$3
ILLUM	(B320)	Nil	0.65 kg	\$2
Smoke	C2 B5	Nil	0.71 kg	\$2

## 52mm Israeli

Round	Damage	Penetration	Weight	Price
HE-FRAG	C4 B30	Nil	1.02 kg	\$5
ILLUM	(B330)	Nil	0.8 kg	\$3
Smoke	C2 B5	Nil	0.91 kg	\$4

## 60mm Eastern

Round	Damage	Penetration	Weight	Price
HE	C5 B25	0C	1.6 kg	\$11
ILLUM	(B325)	Nil	1.6 kg	\$11
Smoke	C2 B5	Nil	1.6 kg	\$11
WP	C2 B10	Nil	1.6 kg	\$21

## 60mm Western

Round	Damage	Penetration	Weight	Price
Argentine APERS	1d6x16	Nil	2 kg	\$36
Argentine HEAT	C4 B20	41C	2 kg	\$22
Czech HEI	C5 B18	1C	2.2 kg	\$25
HE	C7 B25	2C	1.7 kg	\$12
ILLUM	(B440)	Nil	2.3 kg	\$18
Smoke	C2 B5	Nil	2.25 kg	\$18

WP	C2 B10	Nil	2.3 kg	\$35
WX-90 HE	C7 B25	2C	2.3 kg	\$13

### 60mm Gun-Mortar

Round	Damage	Penetration	Weight	Price
APERS	1d6x16	1-Nil	1.18 kg	\$29
HE	C7 B25	2C	1.73 kg	\$13
HEAT	C5 B20	65C	1.73 kg	\$18
WP	C2 B10	Nil	1.64 kg	\$22

### 81mm Western

Round	Damage	Penetration	Weight	Price
81 HE	C13 B35	5C	4.56 kg	\$37
81 LP HE	C13 B35	5C	4.6 kg	\$38
GAMP	C9 B30	90C	8 kg	\$648
HE	C13 B35	5C	4.1 kg	\$36
ILLUM	(B805)	Nil	4.4 kg	\$39
Merlin	C6 B6	45C	6 kg	\$617
Smoke	C2 B10	Nil	4.3 kg	\$38
W-87 HE	C13 B35	5C	5.72 kg	\$40
WP	C2 B15	Nil	4.1 kg	\$71

### 82mm Eastern

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
Fire Extinguishing	(B10)	Nil	3 kg	\$76
HE	C10 B30	5C	3.2 kg	\$27
HEAT	C8 B30	48C	3.2 kg	\$34
ILLUM	(B605)	Nil	2.95 kg	\$25
M-74 HE	C12 B35	5C	3.05 kg	\$27
Smoke	C2 B10	Nil	3.5 kg	\$30
WP	C2 B15	Nil	3.5 kg	\$59

### **98mm Polish**

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
HE	C19 B45	8C	8.4 kg	\$79
ILLUM	(B1175)	Nil	8.4 kg	\$79
Smoke	C2 B10	Nil	8.4 kg	\$79
WP	C2 B20	Nil	8.4 kg	\$157

### **100mm Chinese**

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
HE	C15 B40	8C	8 kg	\$75
ILLUM	(B900)	Nil	9.05 kg	\$86
Smoke	C3 B15	Nil	8.46 kg	\$80

WP	C3 B30	Nil	7.6 kg	\$141
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### 107mm Russian

Round	Damage	Penetration	Weight	Price
HE-Heavy	C11 B35	9C	9 kg	\$85
HE-Light	C10 B32	8C	7.9 kg	\$74
ILLUM	(B1030)	Nil	8.6 kg	\$81
Irritant Gas	C3 B15	Nil	9.5 kg	\$180
Poison Gas	C3 B15	Nil	9.5 kg	\$360
Smoke	C3 B15	Nil	9.5 kg	\$90
WP	C3 B30	Nil	9.5 kg	\$179

### 4.2" (107mm) US

Round	Damage	Penetration	Weight	Price
GAMP	C13 B35	100C	17 kg	\$782
HE	C20 B45	9C	12.3 kg	\$118
ICM-DP	B30	Submunition	13 kg	\$745
ILLUM	(B1405)	Nil	11.8 kg	\$113
Irritant Gas	C3 B15	Nil	13 kg	\$250
Poison Gas	C3 B15	Nil	13 kg	\$501
Smoke	C3 B15	Nil	13 kg	\$125
WP	C3 B30	Nil	13 kg	\$249

**120mm Eastern**

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
GAMP	C19 B45	137C	23.3 kg	\$877
HE	C25 B50	11C	12.6 kg	\$121
ICM-DP	B35	Submunition	14.1 kg	\$811
ILLUM	(B1765)	Nil	13.9 kg	\$134
Irritant Gas	C3 B20	Nil	13.9 kg	\$268
Poison Gas	C3 B20	Nil	13.9 kg	\$537
Smoke	C3 B20	Nil	13.9 kg	\$134
WP	C3 B35	Nil	13.9 kg	\$267

**120mm Vena**

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
Flechette	1d6x172	1-Nil	17 kg	\$821
Kitlov GAMP	C24 B50	137C	39 kg	\$1112
Vena HE	C36 B60	11C	21 kg	\$165
Vena HE RAP	C36 B60	11C	32 kg	\$315

**120mm Western**

<b>Round</b>	<b>Damage</b>	<b>Penetration</b>	<b>Weight</b>	<b>Price</b>
GAMP	C19 B45	137C	24 kg	\$887



HE	C29 B55	11C	13 kg	\$125
ICM-DP	B35	Submunition	14.5 kg	\$835
ILLUM	(B1765)	Nil	14.3 kg	\$138
Irritant Gas	C3 B20	Nil	14.3 kg	\$276
Poison Gas	C3 B20	Nil	14.3 kg	\$553
Smoke	C3 B20	Nil	14.3 kg	\$138
Strix	C19 B15	168C	24 kg	\$887
WP	C3 B35	Nil	14.3 kg	\$275

### 160mm Eastern/Finnish/Israeli

Round	Damage	Penetration	Weight	Price
HE (Russian)	C38 B60	17C	40 kg	\$395
HE (Finnish)	C45 B65	17C	40 kg	\$395
HE (Israeli)	C51 B70	17C	40 kg	\$395
Irritant Gas (All)	C3 B30	Nil	44 kg	\$870
Poison Gas (All)	C3 B30	Nil	44 kg	\$1641
Smoke (All)	C3 B30	Nil	44 kg	\$435
WP (All)	C3 B50	Nil	44 kg	\$869

### 240mm Russian

Round	Damage	Penetration	Weight	Price
GAMP	C67 B80	233C	134 kg	\$2537

HE	C101 B100	29C	130 kg	\$1295
HE-RAP	C101 B100	29C	143 kg	\$1321
ICM	B145	Submunition	145 kg	\$8665
Irritant Gas	C3 B70	Nil	143 kg	\$2850
Poison Gas	C3 B70	Nil	143 kg	\$5701
Smoke	C3 B70	Nil	143 kg	\$1425
WP	C3 B70	Nil	143 kg	\$2849

### **Notes on Special Ammunition Types**

**Fire Extinguishing:** This round has no damaging effects (other than incidental impact damage one might suffer from being hit directly by the round, if you are that unlucky). Instead, the round is 75% to immediately extinguish all fires within the burst radius, and 25% likely to immediately extinguish all fires within the secondary burst radius. Roll once per 2-meter square in the burst area.

**GAMP (Guided Antiarmor Mortar Projectile):** This is a mortar shell with HEAT warhead and a seeker for a laser beam in the nose. The round must be guided by someone with a laser designator, in the same manner as a CLGP.

**HEI (High Explosive Incendiary):** This ammunition has normal explosive effects; in addition, it spreads incendiary fragments like white phosphorus.

**RAP (Rocket-Assisted Projectile):** This is a mortar round with one or more small rockets in the tail to increase range. When available, they cost 50% extra.