

## APPENDIX A US ARTILLERY AND MORTAR CAPABILITIES

*This appendix provides a reference chart depicting the capabilities of US artillery and mortar systems.*

### US ARTILLERY CAPABILITIES

TYPE WEAPON	RANGE (METERS)		MAXIMUM RANGE RAP (METERS)	MAXIMUM FPF WIDTH (METERS)	WEIGHT (POUNDS)	RATE OF FIRE (ROUNDS/MINUTE)	
	MINIMUM	MAXIMUM				MINIMUM	MAXIMUM
105-mm (M119A1)		14,000	19,000	210	4,520	3	6
105-mm (M102)		11,500	15,000	210	3,338	3	10
105-mm (M101A1)		11,270	15,000	210	4,980	3	10
155-mm (M114A1/A2)		14,600	19,400	300	12,700	1	4
155-mm (M109A3/A4)		18,100 M864 (ERDPICM) 22,200	23,500	400	55,000	1	4
155-mm (M109A5/A6)		22,200 M864 (ERDPICM) 28,400	30,000	400	55,000 (A5) 63,000 (A6)	1	4
155-mm (M198)		18,100 M864 (ERDPICM) 28,400	30,000	400	15,800	Varies	4
MLRS (M270) ATACMS	8,000 Classified	32,000+ 100,000+	NA NA	NA NA	54,600 54,000	NA	12 1 or 2 < 10 Sec

**LEGEND:**

ATACMS = Army tactical missile system	MLRS = multiple launch rocket system
ERDPICM = extended range dual-purpose improved conventional munitions	NA = not applicable
	RAP = rocket-assisted projectile
	sec = second

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**US MORTAR CAPABILITIES**

TYPE WEAPON	RANGE (METERS)		MAXIMUM FPF WIDTH (METERS)	WEIGHT (POUNDS)	RATE OF FIRE (ROUNDS/MINUTE)	
	MINIMUM	MAXIMUM			SUSTAINED	MAXIMUM
60-mm mortar HE M720/M889 HE M49A4	70 45	3,500 1,830	60	18-45	20	30
81-mm mortar (M29A1) HE M374A2 HE M374A3	70 73	4,600 4,790	140/4 Tubes	98	8	25
81-mm mortar (252) HE M821/M889 HE M374A3	80 73	5,800 4,790	40/4 Tubes	93	15	30
107-mm mortar HE M329A1 HE M329A2	920 770	5,650 6,840	240/6 Tubes 120/3 Tubes	675	3	18
120-mm mortar	200	7,200	360/6 Tubes 180/3 Tubes	320	4	15

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