

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

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