

USMC DIRECT FIRE CHART

Unit	Ammo	ROF	Range Effectiveness														Ammo Supply
			Range in hexes														
			0	1	2	3	4	6	8	10	12	14	16	18	20	22	
M1A1 ⊕	APDU	2	8:24	9:24	8:24	7:23	6:23	6:22	6:21	5:21	4:20	3:19	2:18	—	—	—	6
	CANISTER	2	20	40	40	40	—	—	—	—	—	—	—	—	—	—	2
	MPAT*	2	8:21	9:21	8:21	7:21	6:21	6:21	6:21	5:21	4:21	3:21	2:21	—	—	—	4
	MPHE	2	10	15	15	15	15	13	13	11	10	6	4	—	—	—	2
	SCAP*	3	6:5	5:5	4:4	2:3	1:2	—	—	—	—	—	—	—	—	—	20
	SA	2	3	5	5	3	1	—	—	—	—	—	—	—	—	—	8
LAV-25 ⊕	SCAP*	6	8:13	9:13	8:12	7:12	6:11	5:10	4:9	2:8	—	—	—	—	—	—	5
	SCHE*	6	2	3	3	3	3	3	2	2	1	1	—	—	—	—	10
	SA	2	3	5	5	3	1	—	—	—	—	—	—	—	—	—	10
LAV-AT ⊕	TOW 2	2	—	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	—	—	—	—	6
	SA	2	3	5	5	3	1	—	—	—	—	—	—	—	—	—	10
LAV-AD ⊕	SCAP**	15	8:14	9:15	8:14	7:13	6:12	5:11	4:10	3:9	2:9	2:9	—	—	—	—	10
	SCHE**	15	2	4	4	4	4	4	2	2	1	1	—	—	—	—	15
	STINGER†	2	—	—	5:6	5:6	5:6	4:6	4:6	4:6	4:6	4:6	3:6	3:6	—	—	6
LAV-LOG LAV-C2 LAV-M	SA	2	3	5	5	3	1	—	—	—	—	—	—	—	—	—	10
TOW-2 ☉	TOW-2	1	—	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	—	—	—	—	4
JAVELIN ☉	JAVELIN**	2	8:16	8:16	8:16	8:16	8:16	8:16	8:16	8:16	—	—	—	—	—	—	4
INF-W	SCAP*	3	6:5	5:5	4:4	2:3	1:2	—	—	—	—	—	—	—	—	—	6
	MK-19 AGL 40MM	4	7	7	7	7	6	—	—	—	—	—	—	—	—	—	4
INF-A ☉ INF-B ☉ INF-C ☉	SA	2	12	10	8	5	—	—	—	—	—	—	—	—	—	—	A,B 10 C 6
	HEAT	2	8:18	6:18	2:18	—	—	—	—	—	—	—	—	—	—	—	A,B 2 C 4
M-224	HE	2	4	4	4	4	4	4	4	4	4	—	—	—	—	—	6
	SMOKE	2	SMK	SMK	SMK	SMK	SMK	SMK	SMK	SMK	SMK	—	—	—	—	—	6
HQ/TOC	SA	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	4
ENG	SA	2	12	10	8	5	—	—	—	—	—	—	—	—	—	—	6
OP ⊕	SA	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	4
AAVP-7	SCAP*	3	6:5	5:5	4:4	2:3	1:2	—	—	—	—	—	—	—	—	—	30
	MK-19 AGL 40MM	4	7	7	7	7	6	—	—	—	—	—	—	—	—	—	6
M-1045 ☉	TOW-2	1	—	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	8:23	—	—	—	—	4
	SA	2	3	5	5	3	1	—	—	—	—	—	—	—	—	—	4
M-1043	MK-19 AGL 40MM	4	7	7	7	7	6	—	—	—	—	—	—	—	—	—	6

- ⊕ Stabilized Weapon System
- ⊕ Thermal Imaging Stabilized Weapon System
- ⊕ Thermal Imaging/CITV Stabilized Weapon System
- ⊕ Laser Designating System
- ⊕ Thermal Imaging Laser Designating System
- ⊕ Thermal Imaging Laser Ranging Stabilized Weapon System
- ⊕ Thermal Imaging/CITV Laser Ranging Stabilized Weapon System
- ⊕ Thermal Imaging Laser Ranging Weapon System
- ⊕ Thermal Imaging LONGBOW Laser Designating System
- ☉ Thermal Imaging System

① JAVELIN is a top attack missile and always attacks flank armor values regardless of orientation. JAVELIN anti-tank missiles do not initiate enemy spotting attempts for missile fire when fired.