

Earl J. Michel
1155

AMMUNITION COMPLETE ROUND CHARTS



DEPARTMENT OF THE ARMY

TITLE

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60 m

81 m

Earl J. Michel
Ogden Arsenal - 1955

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LINE NO.	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE								FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL		CHARGE			WT LOADED AND FUZZED LB	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DESIG-NATION	NOM-INAL WT OZ	DRAWING NO. b	TYPE	DESIG-NATION d	FUZZ DRAWING NO.	CARTRIDGE		
								KIND	TYPE	DRAWING NO.	KIND	WT LB													INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	M1A2	75-1-71	Shell	75-2-279	HE-T	M54A1	Steel	Bar Stock	75-14-225	Tetryl ^a	.10	1.34	73-2-158	PD	M56	71-2-100	M17	M1, M2, M5	6.3 4.6	74-2-63	PERC	M38A1	76-7-633	76-1-1108	76-1-1233	Fuzed
2																											
3																											
4	S&M	M1A2	75-1-117	Shot	75-2-289	APC-T	M59A1	Steel	Bar Stock	75-14-279	Tracer	.01	1.91				71-2-100	M17	M1	5.4	74-2-63	PERC	M38A1		76-1-1110	76-1-1234	Complete
5																											
6	S&M	M1A2	75-1-72	Shell	75-2-278	TP-T	M55A1	Steel	Bar Stock	75-14-224	Tracer	.017	1.34	72-5-4	Dummy	M50	71-2-100	M17	M1 M2	6.4 4.5	74-2-63	PERC	M38A1		76-1-1108	76-1-1233	Fuzed
7																											
8	S&M	M1A2	72-3-92	CTG		Drill	M21	Steel					2.67 ^c	72-5-4	Dummy	M50B2	71-2-100	M17							76-1-1108	76-1-1233	Fuzed
9																											
10																											
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

S - Issue
M - Manufacture
HE-T - High Explosive - Tracer
APC-T - Armor Piercing - Tracer
PD - Point Detonating
CTG - Cartridge
TP-T - Target Practice - Tracer
PERC - Percussion

a- This round uses a shell destroying tracer. Weight of tracer charge - .025 lb
b- Primer Packing Drawing 76-8-108
c- Total weight of Cartridge, Drill, M21
d- Some rounds, with Primer, percussion, M23A1 or M23A2, are on hand. Primer, percussion, M38B1 or M38B2, is an alternative.

LINE NO.	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE								FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL		CHARGE			WEIGHT LOADED AND FUZED LB.	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DESIG-NATION	NOM-INAL WEIGHT OZ.	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								KIND	TYPE	DRAWING NO.	KIND	WT. LB.													INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	M6	75-1-70	Shot	75-2-276	APC-T	M51 ^a	Steel	FORG ^b	75-14-223	Tracer	.01	1.92				71-2-96	M16	M6 M5	8.1 8.8	74-2-63	PERC	M38A1		76-1-1107	76-1-1232	Complete
2																											
3																											
4	S&M	M6	75-1-106	Shell	75-2-290	HE	M63	Steel	Bar Stock	75-14-270	Flake TNT	.085	1.61	73-1-174	BD	M38	71-2-96	M16	M1	7.7	74-2-63	PERC	M38A1	76-1-1267	76-1-1107	76-1-1232	Fuzed
5																											
6	S&M	M6	75-1-73	Shot	75-2-280	TP-T	M51A2	Steel	Bar Stock	75-14-233	Tracer	.01	1.92				71-2-96	M16	M6 ^f	7.5	74-2-63	PERC	M38A1		76-1-1107	76-1-1232	Complete
7																											
8	S&M	M6	75-3-75	CTG	75-2-280	Drill	M13	Steel	Bar Stock				e				71-2-96	M16							76-1-1107	76-1-1232	Complete
9																											
10																											
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

S - Issue
M - Manufacture
BD - Base Detonating
HE - High Explosive
APC-T - Armor Piercing Cap - Tracer
TP-T - Target Practice - Tracer
CTG - Cartridge
FORG - Forging
PERC - Percussion

a - Some projectiles designated M51B1 & M51B2.
b - Forging, Type "A" (Upsetter) Drawing 75-20-90.
 Forging, Type "B" (Drop Forging) Drawing 75-20-91.
c - Case, Cartridge, M16B1 - Substitute Standard, Drawing 71-2-147.
d - Primer packing drawing, 76-8-108.
e - Total weight of Drill Cartridge 3.30 LB.
f - Powder Composition M2 or M5 may be used.
g - Some rounds with Primer, Percussion, M23A1 or M23A2 are on hand. Primer, Percussion, M38B1 or M38B2, may be used as an alternative.

LINE NO.	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE								FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING			
					DRAWING NO.	TYPE	DESIG- NATION	MATERIAL		CHARGE			WEIGHT LOADED AND FUZZED LB	DRAWING NO.	TYPE	DESIG- NATION	DRAWING NO.	DESIG- NATION	DESIG- NATION	NOM- INAL WEIGHT OZ.	DRAWING NO.	TYPE	DESIG- NATION	CARTRIDGE		
								KIND	TYPE	DRAWING NO.	KIND	WT. LB.												INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	All	75-1-140	Shot	75-2-311	AP-T	M81A1	Steel	Bar Stock	75-14-333	Tracer	.02	1.96				71-2-122	M25 ^b	M1	.65	74-2-63	PERC	M38A1 ^a	76-1-1112	76-1-1222	Complete
2																										
3	S&M	All	75-1-166	Shell	75-2-298	HE-T ^f	Mk 2 ^c	Steel	Bar Stock	Navy 394620	TNT		1.985	Navy 300423	PD	Mk 27	71-2-122	M25	M1	.72	74-2-63	PERC	M38A1 ^a	76-1-1112	76-1-1222	Fuzed
4																										
5	S&M	All	75-1-170	Shell	75-2-298	TP-T	Mk 2	Steel	Bar Stock	75-14-424	Inert	.13	1.988	72-5-9	Dummy	M69 ^d	71-2-122	M25 ^b	M1	.718	74-2-63	PERC	M38A1 ^a	76-1-1112	76-1-1222	Fuzed
6																										
7	S&M	All	75-1-173	Shell	75-2-329	TP-T	M91	Steel	Bar Stock	75-14-433	Tracer	.02	1.96	72-5-9	Dummy	M69 ^d	71-2-122	M25 ^b	M1	.718	74-2-63	PERC	M38A1 ^a	76-1-1112	76-1-1222	Fuzed
8																										
9	S&M	All	75-3-84	CTG	72-3-91	Drill	M17 ^g	Bronze & Steel	Cast				4.75 ^e	72-3-91	Nose									76-1-1112	76-1-1222	Complete
10																										
11	S&M	All	72-3-101	CTG	75-2-298	Drill	M25 ^h	Steel					4.75 ^e	72-5-9	Dummy	M69B1	72-3-101	M25B1 Modified						76-1-1112	76-1-1222	Fuzed
12																										
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue
M - Manufacture
AP-T - Armor Piercing - Tracer
HE-T - High Explosive - Tracer
PERC - Percussion
TNT - Trinitrotoluene
TP-T - Target Practice - Tracer
PD - Point Detonating
CTG - Cartridge

a - Primer, Percussion, M38B2 and Primer, Percussion, Mk 22 (Navy Drawing 328952) are alternatives.
b - Cartridge Case, M25B1, alternate, Drawing 71-2-130. Navy alternates:-Case, Cartridge, M62 Mod O, and Mk 3 (steel), Drawing 330825.
c - Assembled with (Navy) Tracer, Mk 11, Drawing 394440, or Mk 11 Mod 2, Drawing 423429. Some Cartridges also assembled with Tracer, M3 or M3A1, Drawing 75-17-7. Cartridges assembled with Tracer M3 or M3A1 are Limited Standard.
d - Alternative Fuzes (Inert): Fuze, PD Mk 27 (Navy), Fuze, Dummy, PD, M69B1.
e - Total weight of Cartridge, Drill.
f - All tracers are of the Shell Destroying Type.
g - M17B1 made from malleable iron, Drawing 72-3-84 is Substitute Standard.
h - Use Shell, HE, 40-MM, Mk 2.

LINE NUMBER	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE								FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL		CHARGE			WT. LOADED AND FUZED LB.	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DESIG-NATION	NOM-INAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								KIND	TYPE	DRAWING NO.	KIND	WT LB													INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	M18	75-1-216	Shell	75-2-359	HE	M306A1 ^b	Steel	FORG	75-14-488	TNT	.52	2.75	73-2-320	PD	M503 ^c	71-2-135	M30A1B1	M10	1.00	74-2-68	PERC	M60A1	76-1-886	76-1-1114	76-1-1253	Fuzed
2																											
3	S&M	M18	75-1-215	Shell	75-2-353	HEAT	M307A1 ^b	Steel	Bar Stock	75-14-472	COMP B	.40	2.75	73-2-236	PI	M90A1	71-2-135	M30A1B1	M10	1.00	74-2-68	PERC	M60A1	76-1-883	76-1-1113	76-1-1252	Fuzed
4																											
5	S&M	M18	75-1-219	Shell	75-2-364	Smoke	M308A1 ^b	Steel	FORG	75-14-492	WP	.37	2.75	73-2-320	PD	M503 ^c	71-2-135	M30A1B1	M10	1.00	74-2-68	PERC	M60A1	76-1-886	76-1-1114	76-1-1253	Fuzed
6																											
7	S&M	M18	75-1-252	Shell	75-2-359	TP	M306A1 ^b	Steel	FORG	75-14-587	BP Inert	.07 .48	2.78	73-2-320	PD	M503 ^{ce}	71-2-135	M30A1B1	M10	1.00	74-2-68	PERC	M60A1	76-1-886	76-1-1114	76-1-1253	Fuzed
8																											
9																											
10																											
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

S - Issue
M - Manufacture
HE - High Explosive
AT - Anti Tank
PERC - Percussion
PD - Point Detonating
PI - Point Initiating
WP - White Phosphorus
BP - Black Powder
TNT - Trinitrotoluene
TP - Target Practice
COM B - Composition B
FORG - Forging

a - Primer Packing Drawing 76-8-110
b - Some Cartridges on hand designated M306 (HE); M307 (HEAT); M308 (SMOKE) and M306 (TP).
c - Some Cartridges assembled with M89 Fuze, Drawing 73-2-233.
d - Some Cartridges on hand assembled with M46 and M60 Primers.
e - Some rounds on hand with inert shell and dummy fuzes.

AMMUNITION FOR 60-MM MORTARS M2 & M19

60 mm

60-MM

LINE NUMBER	STATUS	MODEL OF MORTAR	COMPLETE ROUND DRAWING NO.	KIND	PROJECTILE									FUZE			PROPELLENT INCREMENTS				IGNITION CARTRIDGE			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	TOTAL NOM-INIAL WT GRAINS	NO. USED	DRAWING NO.	CHARGE		FUZE DRAWING NO.	COMPLETE ROUND		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB										DESIG-NATION	WT GRAINS		INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	All	75-1-82 ^{1a}	Shell	75-2-288	HE	M49A2	75-20-85	Steel	FORG ^c	75-14-257	Flake TNT	.34	3.03	73-1-161	PD	M52A2 ^{dp}	71-12-17	M3A1	160	4	75-19-78	M5A1	40	76-1-1246	76-1-1116	76-1-1225	Fuzed
2																												
3	S&M	All	75-1-143 ^{1a}	Shell	75-2-316	ILLUM	M83A2 ^{an}		Steel	Tubing	75-14-350	ILLUM	.526	3.75	73-3-177	Time	M65A1	71-12-17	M3A1	160	4	75-19-78	M5A1	40	76-7-675	76-1-1117	76-1-1226	Fuzed
4																												
5	S&M	All	75-1-218 ^{1a}	Shell	75-2-360	Smoke	M302		Steel	Stamp-ing	75-14-490	WP ^b	.765	3.98	73-1-195	PD	M82A1	71-12-17	M3A1	160	4	75-19-78	M5A1	40	76-1-1246	76-1-1118	76-1-1227	Fuzed
6																												
7																												
8																												
9	S&M	All	75-1-83 ^{1a}	Shell	75-2-288	TP	M50A2	75-20-85	Steel	FORG ^c	75-14-238	Inert BPP	.29 .05	3.03	73-1-161	PD	M52A2 ^{dp}	71-12-17	M3A1	160	4	75-19-78	M5A1	40	76-1-1246	76-1-1116	76-1-1225	Fuzed
10																												
11	S&M	All	f	Shell	75-2-303	Training	M69		Cast Iron	Casting			4.43 ^b															W/O m k Fin, M2
12																												
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

BPP - Black Powder Pellet
FORG - Forging
HE - High Explosive
ILLUM - Illuminating
M - Manufacture
PD - Point Detonating
S - Issue
TNT - Trinitrotoluene
TP - Target Practice
WP - White Phosphorus

a - Shells designated M38A1 are Limited Standard.
b - Casing, Burst, M8, Drawing 73-1-198; Charge, Burst, M19, Drawing 73-1-197.
c - See Drawing 75-2-288 for other methods of manufacture and Drawing 75-20-83 for casting.
d - Fuze, PD, M52A2B1, Drawing 73-1-199, alternative.
e - Fin, Shell, 60-MM, M2, Drawing 75-2-285.
f - Fin, Shell, 60-MM, M5, Drawing 75-2-395.
g - Weight is that of four increments.
h - Weight includes the Shell, Training, M69, Fin Assembly and ignition Cartridge, M4.
k - 12 Shells per box, Fiberboard, Solid.
l - Assembled with Primer Percussion, M32, Drawing 74-2-49.
m - 48 Fins per box, Fiberboard, Solid.
n - Some rounds on hand designated M83 assembled with 4 M4 increments.
p - Some rounds on hand assembled with Fuze, PD, M51A1.

LINE NUMBER	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION ^d	DESIG-NATION	NOM-INAL WT LB	DRAWING NO. ^f	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	All	75-1-78	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.7	73-2-154	M21A4	73-2-146	PD	gkn M51A5	71-2-71	M18	M1	2.00	74-2-63	PERC	M31B2	76-7-620	76-1-1120	76-1-1229	Fuzed
2																														
3	S&M	All	75-1-79	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-2-146	PD	gkn M51A5	71-2-71	M18	M1	1.15	74-2-63	PERC	M22A3	76-7-620	76-1-1120	76-1-1229	Fuzed
4																														
5	S&M	All	75-1-80	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-2-146	PD	gkn M51A5	71-2-71	M18	M2	.59	74-2-63	PERC	M22A3	76-7-620	76-1-1120	76-1-1229	Fuzed
6																														
7	S&M	All	75-1-84	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{kp}	71-2-71	M18	M1	2.00	74-2-63	PERC	M31B2	76-1-620	76-1-1120	76-1-1229	Fuzed
8																														
9	S&M	All	75-1-85	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{kp}	71-2-71	M18	M1	1.15	74-2-63	PERC	M22A3	76-1-620	76-1-1120	76-1-1229	Fuzed
10	S&M	All	75-1-86	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{kp}	71-2-71	M18	M2	.59	74-2-63	PERC	M22A3	76-1-620	76-1-1120	76-1-1229	Fuzed
11	S	All	75-1-84	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-3-155	TSQ	M55A3 ^k	71-2-71	M18	M1	2.00	74-2-63	PERC	M31B2	76-7-620	76-1-1120	76-1-1229	Fuzed
12	S	All	75-1-85	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-3-155	TSQ	M55A3 ^k	71-2-71	M18	M1	1.15	74-2-63	PERC	M22A3	76-7-620	76-1-1120	76-1-1229	Fuzed
13																														
14	S	All	75-1-86	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-3-155	TSQ	M55A3 ^k	71-2-71	M18	M2	.59	74-2-63	PERC	M22A3	76-7-620	76-1-1120	76-1-1229	Fuzed
15	S ^a	All	75-1-103	PROJ	75-2-291	APC-T	M61A1	75-2-328	Steel	Bar or FORG	75-14-268	D	.144	14.96			73-2-178	BD	M66A2 ^o	71-2-71	M18	M1	2.00	74-2-63	PERC	M31B2	76-1-1240	76-1-1125	76-1-1259	Fuzed
16	S&M	All	75-1-312	Shot	75-2-494	AP-T	M338A1	75-2-495	Steel	Bar Stock		Tracer	.01	13.16						71-2-71	M18	M17	2.1	74-2-63	PERC	M31A2		76-1-1398	76-1-1399	Complete
17	S&M	All	75-1-111	Shell	75-2-294	Smoke	M64	75-20-77	Steel	FORG	75-14-276	WP	1.35	14.7	73-1-184	M8 ^c	73-2-140	PD	gkn M48A3	71-2-71	M18	M1	2.00	74-2-63	PERC	M31B2	76-1-1238	76-1-1120	76-1-1229	Fuzed
18	S	All	72-3-65	CTG		Drill	M7		Bronze & Steel					20.39			73-3-114	21 Sec COMB	'07M ^b									PIF-18	PIF-1	Complete
19	S&M	All	72-3-82	CTG	72-3-82	Drill	M16 ^e		Bronze					18.75			72-5-5	Dummy	M59									76-1-1120	76-1-1229	Complete
20																														
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

APC-T - Armor Piercing Capped-Tracer
BD - Base Detonating
D - Ammonium Picrate
HE - High Explosive
M - Manufacture
PD - Point Detonating
S - Issue
TNT - Trinitrotoluene
TSQ - Time and Superquick
WP - White Phosphorus
MTSQ - Mechanical Time & Superquick
CTG - Cartridge
PROJ - Projectile
FORG - Forging
PERC - Percussion
COMB - Combination
CP - Concrete Piercing

a - Limited Standard.
b - Burned-Out or inert fuze parts are used.
c - Bursting Casing, M6, Drawing 73-1-173.
d - Substitute Standard: - Case, Cartridge, M18B1 (Steel) Drawing 71-2-150.
e - Alternative: - M16B1 (Malleable iron).
f - Primer Packing Drawing, M31B2, 76-8-109; M22A3, 76-8-110.
g - .05 Sec Delay.
h - Uses initiator, Bursting, M1, Drawing 73-1-224.
k - Fuze, CP, M78A1, Drawing 73-2-214 and Booster, M25, Drawing 73-2-213, separate issue for field assembly.
l - All S&M rounds may be packed in Metal Container, M154A2, Drawing 76-1-665.
m - Some rounds on hand assembled with Fuze, PD, M57, Drawing 73-2-138.
n - Some rounds on hand assembled with M51A3 and M51A4 Fuzes.
o - Some rounds on hand assembled with Fuze, BD, M66A1.
p - Some Fuze, MTSQ, M500 are on hand Fuze, MT, M67 series may be used.

LINE NUMBER	STATUS	MODEL OF RIFLE	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DESIG-NATION	NOM-INAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.	SHIPPED
1	S&M	M20	75-1-221	Shell	75-2-365	HE	M309A1 ⁿ	75-20-77	Steel	FORG	75-14-498	TNT	1.49	14.4	73-2-154	M21A4	73-2-146	PD	m af M51A5	71-2-136	M31A1 ^k	M10	3.30	74-2-63	PERC	M47 ^d	76-7-620	76-1-1123	76-1-835	Fuzed
2																														
3	S&M	M20	75-1-222	Shell	75-2-366	HEAT-T	M310A1	75-20-93	Steel	FORG	75-14-499	COMP B	1.00	13.19			73-2-239	BD	M91A1	71-2-136	M31A1 ^k	M10	3.19	74-2-63	PERC	M47 ^d	76-1-1097	76-1-1122	76-1-835	Fuzed
4																														
5																														
6	S&M	M20	75-1-225	Shell	75-2-371	Smoke	M311A1 ⁿ	75-20-77	Steel	FORG	75-14-503	WP	1.35	15.10	73-1-184	M8 ^b	73-2-140	PD	h ac M48A3	71-2-136	M31A1 ^k	M10	3.42	74-2-63	PERC	M47	76-1-1238	76-1-1123	76-1-835	Fuzed
7																														
8	S&M ^g	M20	75-1-251	Shell	75-2-365	TP	M309A1 ⁿ	75-20-77	Steel	FORG	75-14-586 ^{BP Inert}		.22 1.27	14.40	73-2-154	M21A4	73-2-146	PD	m a M51A5	71-2-136	M31A1 ^k	M10	3.30	74-2-63	PERC	M47	76-7-620	76-1-1123	76-1-835	Fuzed
9																														
10																														
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

S - Issue
M - Manufacture
TNT - Trinitrotoluene
WP - White Phosphorus
PD - Point Detonating
BD - Base Detonating
HEAT-T - High Explosive Anti-Tank-Tracer
BP - Black Powder
PERC - Percussion
FORG - Forging
COMP B - Composition B

a - .05 Sec Delay.
b - Bursting Casing, M6, Drawing 73-1-173.
c - Uses Initiator, Bursting, M1, Drawing 73-1-224.
d - Alternative Primer, Percussion, M47B2, Drawing 74-2-63.
e - Primer Packing Drawing 76-8-113.
f - Fuze, M150, M5004 Dwg 73-7-135 is also Standard for this Cartridge.
g - Some rounds on hand with inert Shell and Dummy Fuzes.
h - Some rounds on hand Assembled with Fuze, PD, M57, Dwg 73-2-138.
k - Some rounds on hand Assembled with M31 Cartridge Cases.
m - Some rounds on hand Assembled with M51A4 Fuzes.
n - Some Cartridges on hand designated M309 (HE); M311 (Smoke) and M309(TP).

LINE NO.	STATUS	MODEL OF HOWITZER	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE			PRIMER			PACKING ^o				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	NOMINAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE				
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB														INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED		
1	S&M	All	75-1-59	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.7	73-2-154	M21A4	73-2-146	PD	M51A5 ^{fu}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.08	74-2-63	PERC	M64 ^{blq}	76-7-620	76-1-1124	76-1-1231 ^t	Fuzed
2	S&M	All	75-1-87	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.6	73-2-154	M21A4	73-7-135	MISQ	M500A1 ^{fu}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.06	74-2-63	PERC	M64 ^{blq}	76-7-620	76-1-1124	76-1-1231 ^t	Fuzed
3	S&M	All	75-1-183	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-445	TNT	1.04 ^e	14.69	73-2-154	M21A4	73-2-146	PD	M51A5 ^{er}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.06	74-2-63	PERC	M64 ^{blq}	76-7-620	76-1-1124	76-1-1231 ^t	Fuzed
4	S&M	All	75-1-206	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-445	TNT	1.04 ^e	14.58	73-2-154	M21A4	73-7-135	MISQ	M500A1 ^{erfu}	71-2-91	M5A1	71-9-126 ⁿ	M1	.95	74-2-63	PERC	M64 ^{blq}	76-7-620	76-1-1124	76-1-1231 ^t	Fuzed
5	S&M	All	75-1-247	Shell	75-2-269	HE	M48	75-20-77	Steel	FORG	75-14-445	TNT	1.04 ^e	15.04				VT	M97A1 ^{er}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.06	74-2-63	PERC	M64 ^{blq}		76-1-1124	76-1-1231 ^t	W/O k Fuze
6																															
7																															
8	S&M	All	75-1-114	Shell	75-2-294	Smoke	M64	75-20-77	Steel	FORG	75-14-276	WP	1.34	14.7	73-1-184	M8 ^c	73-2-140	PD	M48A3 ^{mx}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.06	74-2-63	PERC	M1B1A2 ^{bl}	76-1-1238	76-1-1124	76-1-1231 ^t	Fuzed
9	S&M	All	75-1-116	Shell	75-2-294	Smoke	M64	75-20-77	Steel	FORG	75-14-276	FS	1.51	14.7	73-1-184	M8 ^c	73-2-140	PD	M48A3 ^{mx}	71-2-91	M5A1	71-9-126 ⁿ	M1	1.06	74-2-63	PERC	M1B1A2 ^{bl}	76-1-1238	76-1-1124	76-1-1231 ^t	Fuzed
10																															
11																															
12	S&M	All	75-1-141	Shell	75-2-314	HEAT-T	M66	75-20-93	Steel	FORG	75-14-499	COMP B	1.00	13.37			73-2-239	BD	M91A1 ^{ra}	71-2-91	M5A1 ^g	75-1-141	M2	.41	74-2-37	PERC	M23A2	76-1-1097	76-1-1121	76-1-1230	Fuzed
13																															
14																															
15	S	All	72-3-59	CTG	72-3-60	Drill	M2A2		Bronze	Casting				19.2		73-3-114	21 SEC ⁿ COMP	1907M											76-1-179	20-4-159	Complete
16	S&M	All	72-3-89	CTG	72-3-90	Drill	M19 ^h		d	Casting				18.24		72-5-5	Dummy	M59											76-1-1121	76-1-1230	Fuzed
17																															
18																															
19																															
20																															
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

BD - Base Detonating
COMP - Combination
CP - Concrete Piercing
FORG - Forging
FS - Sulfur Trioxide Solution
HE - High Explosive
HEAT-T - High Explosive Anti-Tank-Tracer
M - Manufacture
PD - Point Detonating
COMP B - Composition B
S - Issue
SEC - Second
TNT - Trinitrotoluene
TSQ - Time and Superquick
WP - White Phosphorus
MISQ - Mechanical Time Superquick
VT - Variable Time
CTG - Cartridge

a - Burned out or inert fuze parts are used.
b - Primer, Percussion, M1, M1A1 or M1B1A1 may be used.
c - Casing, Burster, M6, DWG 73-1-173.
d - Malleable iron and steel.
e - Weight is without supplementary charge. This round is issued with supplementary charge of TNT weighing .365 LB. Supplementary charge must be in place when Fuze, PD, M51A4, M51A5, Fuze, CP, M78A1, or Fuze, TSQ, M55A3 or MISQ, M500A1 is used. Remove this charge for Fuze, VT, M97A1.
f - Fuze, CP, M78A1, DWG 73-2-214 and Booster, M25, DWG 73-2-213. Separate issue for field assembly.
g - Cartridge Case, M5A1, Type 2.
h - Alternative:- Cartridge, Drill, M19B1, DWG 72-3-89; Material - Bronze Casting.
k - Shipped with nose plug and washer DWG 75-14-575.
l - Alternative:- Primer, Percussion, M1A2.
m - Uses Initiator, Burster, M1, DWG 73-1-224.
n - Alternative:- Propelling Charge - DWG 71-9-225.
o - Packing Drawings:-
Primer M1B1A2 76-8-111
Primer M23A2 76-8-53
Primer M64
Booster M21A4 76-7-738
Burster Charge M8 76-16-285

p - Some Fuze, MISQ, M500 on hand. Fuze, MT, M67 series may be used.
q - Some rounds on hand assembled with M1B1A2 Primers.
r - Some rounds on hand assembled with Fuze, BD, M91.
s - Fuze, BD, M62A1, DWG 73-2-168, formerly used - Limited Standard.
t - Some rounds on hand in fiber containers are packed in 4-round wooden boxes.
u - Some rounds have been assembled with Fuze, PD, M48A2 or M51A4.
v - Container, Metal, Ammunition, 75-MM, M173 series is Limited Standard.
w - Rounds on hand have been assembled with Fuze, TSQ, M55A3.
x - Some rounds on hand assembled with Fuze, PD, M57, DWG 73-2-138.

LINE NUMBER	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING ¹				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	COMPO-SITION DESIGN-NATION	NOMI-MAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER PACK DWG. NO.	OUTER PACK DWG. NO.	SHIPPED
1	S&M	M1A1C M1A2	75-1-149	Shell	75-18-33	HE	M42A1	75-20-71	Steel	FORG	75-14-170	COMP B	.90	12.90	73-2-154	M21A4	73-2-146	PD	M51A5 ^{td}	71-2-123	M26	M6 ^g	3.75	74-2-68	PERC	M40A1 ^s	76-7-620	76-1-1127	76-1-1244	FUZED
2	S&M	M1A1C M1A2	75-1-195	Shell	75-18-33	HE	M42A1	75-20-71	Steel	FORG	75-14-170	COMP B	.90	12.90	73-2-154	M21A4	73-2-146	PD	M51A5 ^{td}	71-2-123	M26	M6 ^g	1.14	74-2-63	PERC	M28A2 ^b	76-7-620	76-1-1127	76-1-1244	FUZED
3	S&M	M1A1C M1A2	75-1-244	Shell	75-18-33	HE	M42A1	75-20-71	Steel	FORG	75-14-170	COMP B	.90	12.90	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{tdq}	71-2-123	M26	M6 ^g	3.75	74-2-68	PERC	M40A1 ^s	76-7-620	76-1-1127	76-1-1244	FUZED
4																														
5	S&M	M1A1C M1A2	75-1-150	PROJ	75-2-292	APC-T	M62A1		Steel	Bar & FORG	75-14-269	D	.144	15.44			73-2-178	BD	M66A2 ^v	71-2-123	M26	M6 ^f	3.75	74-2-68	PERC	M40A1 ^s	76-1-1240	76-1-1126	76-1-1243	FUZED
6																														
7	S&M	M1A1C M1A2	75-1-220	Shot	75-2-361	HVAP-T	M93A1 ^w	75-2-363 75-2-362	Steel h Al Alloy	P	75-17-11	Tracer	.01	9.38					P-82322	M26B1 ^o	M17 ^g	3.90	74-2-63	PERC	M28A2 ^b		76-1-1101	76-1-783	COMPLETE	
8																														
9	S&M	M32 T124	75-1-311	Shot	75-2-487	AP-T	M339	75-2-488	Steel Al Alloy	Bar Die cast	75-17-11	Tracer	.01	14.56					71-2-163	T19E1B1	M17	5.15	74-2-68	PERC	M62		76-1-1384	76-1-1385	COMPLETE	
10																														
11																														
12																														
13	S&M	M1A1C M1A2	75-1-249	Shot	75-2-390	HVTP-T	M315A2 ^x				75-17-11	Tracer	.01	9.32 ⁿ					71-2-123	M26 ^m	M2 ^g	3.90	74-2-63	PERC	M28A2 ^b		76-1-1101	76-1-783	COMPLETE	
14	S&M	M1A1C M1A2	75-3-87	CTG	75-3-88	Drill	M20	72-3-88	Bronze ^c	Casting				24.80 ^a		72-5-5	Dummy	M59									76-1-1126	76-1-1243	COMPLETE	
15																														
16	S&M	M32 T124	75-1-308	Shot		HVAP DS-T	M331A2	75-2-475	Y	Y	75-14-648	Tracer	.01	8.17					71-2-163	T19E1B1	M17	5.83	P-84365	PERC	T88E1		76-1-1379	76-1-1380	COMPLETE	
17	S&M	M32 T124	75-1-331	Shot	75-2-537	TP-T	M340A1	75-2-537	Steel Al Alloy	Bar Die Cast	75-17-11	Tracer	.01	14.56					71-2-163	T19E1B1	M17	5.15	74-2-68	PERC	M62		76-1-1384	76-1-1385	COMPLETE	
18																														
19	S&M	M1A1C M1A2	75-1-253	Shell	75-2-367	Smoke	M312	75-2-328	Steel	FORG	75-14-500	WP	.73	12.95	73-1-215 ^q	M23	73-2-140	PD	M48A3	71-2-123	M26	M6 ^g	3.75	74-2-63	PERC	M28A2	76-1-1238	76-1-1127	76-1-1244	FUZED
20	S ^k	M1A1C M1A2	75-1-227	Shell	72-2-405	Smoke	M312B1	74-2-413	Steel	FORG	75-14-607	WP	.78	12.95	73-1-215	M23	73-2-138	PD	M57	71-2-123	M26		3.75	74-2-68	PERC	M40A1		PIF-18	PIF-1	FUZED
21																														
22	S&M	M1A1C M1A2	75-1-253	Shell	75-2-419	Smoke	M312B2	75-18-33	Steel	FORG	75-14-500	WP	.73	12.95	73-1-215 ^q	M23	73-2-140	PD	M48A3	71-2-123	M26	M6 ^g	3.75	74-2-63	PERC	M28A2	76-1-1238	76-1-1127	76-1-1244	FUZED
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

S - Issue
M - Manufacture
HE - High Explosive
APC-T - Armor Piercing Cap-Tracer
PD - Point Detonating
TNT - Trinitrotoluene
TSQ - Time and Superquick
BD - Base Detonating
CTG - Cartridge
D - Ammonium Picrate
WP - White Phosphorus
HVAP-T - Hypervelocity Armor Piercing-Tracer
PERC - Percussion
AL - Aluminum
CP - Concrete Piercing
HVTP-T - Hypervelocity Target Practice-Tracer
MTSQ - Mechanical Time and Superquick
HVAPDS-T - Hypervelocity Armor Piercing Discarding Sabot-Tracer

a - Complete Assembly Weight
b - Alternative: - Primer, Percussion, M28E2 (Steel), Dwg. 74-2-63
c - Alternative Material: - Malleable iron, M20B1, Dwg. 72-3-88
d - Fuze, CP, M78A1, Dwg. 73-2-214, and Booster, M25, Dwg. 73-2-213 separate issue for field assembly
e - Bursting Casing, M12, Dwg. 73-1-214
f - This is a flashless - smokeless round
g - This is a smokeless round
h - Core is made from tungsten carbide
k - Limited Standard
l - Packing Drawings: -
Primer M28A2 - 76-8-112
Primer M40A1 - 76-8-105
Booster M21A4 - 76-7-738
Charge, Bursting M23 - 76-1-1103
m - Alternative: - Case, Cartridge, M26B1, Dwg. P-82322
n - Weight applies for Shot assembled with M51A1 Tracer
o - Alternative: - Case Cartridge, M26, Dwg. 71-2-123
p - Bar Stock, die casting and forging

q - Some Fuze, MTSQ, M500 on hand
r - Fuze, MT, M67 Series may be used
s - Some rounds on hand assembled with Primer, Percussion, M28A2B2 Dwg. 74-2-63
t - Some rounds on hand assembled with Fuze, PD, M48A2, Dwg. 73-2-140 or Fuze, PD, M51A4
u - Rounds on hand assembled with M55A3, TSQ Fuzes, Dwg. 73-3-155
v - Some rounds on hand assembled with Fuze, BD, M66A1
w - Some rounds on hand designated M93
x - Some rounds on hand designated M315A1
y - Core is Tungsten Carbide. Steel and aluminum used for other parts

LINE NO.	STATUS	MODEL OF MORTAR	COMPLETE ROUND DRAWING NO.	PROJECTILE										BURSTER		FUZE			PROPELLANT INCREMENTS				IGNITION CART- RIDGE DESIG- NATION ^m	PRIMER DESIG- NATION ^m	FIN DESIG- NATION ^m	PACKING				
				DRAWING NO.	KIND	TYPE	DESIG- NATION	MATERIAL			CHARGE			WT ^q LOADED AND FUZED LB	DRAWING NO.	DESIG- NATION	DRAWING NO.	TYPE	DESIG- NATION	DRAWING NO.	DESIG- NATION	TOTAL NOMINAL WT GRAINS ^o				NO. USED	FUZE DRAWING NO.	COMPLETE ROUND		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER DRAWING NO.	OUTER DRAWING NO.	SHIPPED
1	S&M	A11	75-1-88	75-2-261	Shell	HE	M43A1B1 ^{kx}	75-20-72	Steel	FORG	75-14-192	TNT	1.23	7.15			73-1-161	PD ^a	M52A2 ^{bw}	71-12-15	M1A1	700	6	M8 ^e	M34	M3	76-1-1246	76-1-1130	76-1-1247 ^h	Fuzed
2																														
3	S&M	A11	75-1-97	75-2-283	Shell	HE	M56A1 ^{fy}	a	Steel	Tubing	75-14-254	TNT	4.30	11.03			73-1-165	PD	M53A1	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-1246	76-1-1131	76-1-1248 ^g	Fuzed
4	S&M	A11	75-1-197	75-2-283	Shell	HE	M56A1 ^{fy}	a	Steel	Tubing	75-14-254	TNT	4.30	11.40			73-3-171	TBQ	M77 ^{pc}	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-774	76-1-1132	76-1-1249 ^g	Fuzed
5																														
6	S&M	A11	75-1-93	75-2-284	Shell	Smoke	M57A1 ^{lz}	a	Steel	Tubing	75-14-255	WP	4.09	11.38	73-1-170 ^g	M1	73-1-161	PD ^a	M52A2	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-1246	76-1-1131	76-1-1248 ^g	Fuzed
7	S&M	A11	75-1-94	75-2-284	Shell	Smoke	M57A1 ^{lz}	a	Steel	Tubing	75-14-255	FB	4.59	12.18	73-1-170 ^g	M1	73-1-161	PD ^a	M52A2	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-1246	76-1-1131	76-1-1248 ^g	Fuzed
8	S&M	A11	75-1-198	75-2-284	Shell	Smoke	M57A1 ^{lz}	a	Steel	Tubing	75-14-255	FB	4.59	13.10	73-1-170 ^g	M1	73-3-171	TBQ	M77 ^t	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-774	76-1-1132	76-1-1249 ^g	Fuzed
9	S&M	A11	75-1-199	75-2-284	Shell	Smoke	M57A1 ^{lz}	a	Steel	Tubing	75-14-255	WP	4.09	12.80	73-1-170 ^g	M1	73-3-171	TBQ	M77 ^t	71-12-16	M2A1	820	4	M6	M34	M4A1	76-1-774	76-1-1132	76-1-1249 ^g	Fuzed
10																														
11																														
12	S&M	A11	75-1-171	75-2-332	Shell	ILLUM	M301A1 ⁿ		Steel	FORG, Tubing	75-14-428	ILLUM	1.43	10.56			73-3-166	Time	M84	71-12-16	M2A1	820	4	M6	M34	M4A1		76-1-1392	76-1-1393	Fuzed
13																														
14																														
15	S&M	A11		75-2-302	Shell	TNG	M68		Iron	Casting														M3 ^d		M6 ^h			^h	W/O Fin
16																														
17	S&M	A11	75-1-89	75-2-261	Shell	TP	M43A1 ^k	75-20-72	Steel	FORG	75-14-212 75-1-89	Inert BFP	1.19 .05				73-1-161	PD ^e	M52A2 ^{bw}	71-12-15	M1A1	700	6	M8 ^e	M34	M3	76-1-1246	76-1-1130	76-1-1247 ^h	Fuzed
18																														
19																														
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

BFP - Black Powder Pellet
FORG - Forging
FS - Sulfur Trioxide Solution
HE - High Explosive
ILLUM - Illuminating
M - Manufacture
S - Issue
FD - Point Detonating
TNT - Trinitrotoluene
TP - Target Practice
TBQ - Time and Superquick
WP - White Phosphorus
TNG - Training

a - Alternative material:- Steel, forging, DWG 75-20-86.
b - Alternative:- Fuze, PD, M52B1, DWG 73-1-199.
c - Substitute Standard:- Fuze, PD, M52A2 (note b) DWG 73-1-161.
d - Cartridge, Ignition, M6 and Primer, Percussion, M33 may be used. See note m.
e - Cartridge, Ignition, M6 and Primer, Percussion, M33 formerly used.
f - Alternative:- Shell, HE, M56B1, DWG 75-2-348; Shell, HE M56B2 DWG 75-2-349; Shell, HE, M56B3, DWG 75-2-380.
g - For casing, Burster, M2-see DWG 73-1-169.
h - Packing Chest used in field, DWG 76-1-671. Commercial packing.
k - Alternative:- Shell, HE, M43A1.
l - Alternative:- Shell, Chemical, M57B1, DWG 75-2-383.
m - Drawing Number:-
74-2-50 - Primer, Percussion, M33.
74-2-51 - Primer, Percussion, M34.
75-19-76 - Cartridge, Ignition, M3.
75-19-79 - Cartridge, Ignition, M6.
75-19-79 - Cartridge, Ignition, M8.
75-2-262 - Fin, Shell, 81-MM, M3.
75-2-396 - Fin, Shell, 81-MM, M6.
75-2-277 - Fin, Shell, 81-MM, M4A1.

n - Shell, ILLUM, M301 w/Fuze, Time, M84 is - Limited Standard.
o - Total weight for specified number of increments.
p - Fuze, PD, M52 series may be used.
q - Weight is without safety wire and propellant charge.
r - Metal Container M140A1, DWG 76-1-639 may be used.
s - Metal Container M173A2, DWG 76-1-662 may be used.
t - Substitute Standard:- Fuze, PD, M52A1; Fuze, PD M52B2 or M52B4 may have been used.
w - Some rounds on hand assembled with M52A1 Fuzes.
x - Some rounds on hand designated M43A1.
y - Some rounds on hand designated M56.
z - Some rounds on hand designated M57.

LINE NO.	STATUS	MODEL OF GUN	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	COMP-OBITION DESIG-NATION	NOMINAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S ^w	All	75-1-126	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-305	COMP ^b B	2.13	23.4	73-2-154	M21A4 ^{aa}	73-7-98	MTSQ	bb M502 ^q	71-2-112	M19	M6	7.31 ^g	74-2-63	PERC	M28A2	76-1-1238	76-1-1099	76-1-1269	Fused
2	S ^w	All	75-1-144	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-446	COMP ^b B	1.70 ^x	23.4 ^f	73-2-154	M21A4	73-7-98	MTSQ	bb M502 ^q	71-2-112	M19	M6	7.31 ^g	74-2-63	PERC	M28A2	76-1-1238	76-1-1099	76-1-1269	Fused
3	S&M ^a	All	75-1-157	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-305	COMP ^b B	2.13	23.4	73-2-154	M21A4 ^{aa}	73-2-146	PD	M51A5 ^{z q}	71-2-112	M19	M6	7.31 ^d	74-2-63	PERC	M28A2	76-7-620	76-1-1099	76-1-1269	Fused
4	S&M ^a	All	75-1-207	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-446	COMP ^b B	1.70 ^x	23.4 ^f	73-2-154	M21A4	73-2-146	PD	M51A5 ^{z q}	71-2-112	M19	M6	7.31 ^d	74-2-63	PERC	M28A2	76-7-620	76-1-1099	76-1-1269	Fused
5	S&M ^a	All	75-1-243	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-305	COMP ^b B	2.13	23.4	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{cc qx}	71-2-112	M19	M6	7.31 ^d	74-2-63	PERC	M28A2	76-7-620	76-1-1099	76-1-1269	Fused
6	S&M	All	75-1-157	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-305	COMP ^b B	2.13	23.4	73-2-154	M21A4 ^{aa}	73-2-146	PD	M51A5 ^{z q}	71-2-112	M19	M15	7.31 ^c	74-2-68	PERC	M49	76-7-620	76-1-1099	76-1-1269	Fused
7	S&M	All	75-1-207	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-446	COMP ^b B	1.7 ^x	23.4 ^f	73-2-154	M21A4	73-2-146	PD	M51A5 ^{z q}	71-2-112	M19	M15	7.31 ^c	74-2-68	PERC	M49	76-7-620	76-1-1099	76-1-1269	Fused
8	S&M	All	75-1-243	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-305	COMP ^b B	2.13	23.4	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{cc qx}	71-2-112	M19	M15	7.31 ^c	74-2-68	PERC	M49	76-7-620	76-1-1099	76-1-1269	Fused
9	S&M	All	75-1-246	Shell	75-18-42	HE	M71	75-20-92	Steel	FORG	75-14-446	COMP ^b B	1.7	23.4 ^g				t	q	71-2-112	M19	M6	7.31 ^q	74-2-63	PERC	M28A2		76-1-1099	76-1-1269	W/O Fuse ^k
10	S	All	75-1-245	PROJ	75-14-46	APC-T	M82		Steel		75-14-334	D	.31	24.11			73-2-181	BD	M68A1	71-2-112	M19	M6	7.31	74-2-63	PERC	M28A2	76-1-1239	76-1-1105	76-1-1236	Fused
11	S&M	All	75-1-245	PROJ	75-14-46	APC-T	M82		Steel		75-14-334	D	.31	24.11			73-2-181	BD	M68A1	71-2-112	M19	M6	8.06 ^g	74-2-68	PERC	M49	76-1-1239	76-1-1105	76-1-1236	Fused
12	S ^w	All	75-1-234	Shot	75-2-375	HVAP-T	M304		e	Bar	75-14-523	Tracer	.01	16.9						71-2-112	M19	M6	8.40 ^d	74-2-68	PERC	M40A1		76-1-1105	76-1-1237	Complete
13	S&M ^a	All	75-1-224	Shell	75-2-369	Smoke	M313	75-2-370	Steel	FORG	75-14-501	WP	1.97	23.64	73-1-211	M24 ^p	73-2-140	PD	M48A3 ^m	71-2-112	M19	M6	7.31 ^d	74-2-63	PERC	M28B2	76-1-1238	76-1-1109	76-1-1269	Fused
14	S&M	All	75-1-224	Shell	75-2-369	Smoke	M313	75-2-370	Steel	FORG	75-14-501	WP	1.97	23.64	73-1-211	M24 ^p	73-2-140	PD	M48A3 ^m	71-2-112	M19	M15	7.31 ^c	74-2-68	PERC	M49	76-1-1238	76-1-1109	76-1-1269	Fused
15	S&M	All	75-1-287	Shell	75-18-42	HE ^v	M71	75-20-92	Steel	FORG	75-14-633	Smoke BRSTR	1.3 ^g	23.5			73-7-135	MTSQ	M500A1 ^x	71-2-112	M19	M6	7.01 ^g	74-2-63	PERC	M28B2	76-1-1238	76-1-1099	76-1-1269	Fused
16	S&M ^a	All	75-1-163	Shell	75-18-42	TP	M71	75-20-92	Steel	FORG	75-1-163	Inert	2.15	23.4			72-5-11	Dummy	M73 ^h	71-2-112	M19	M6	7.31 ^d	74-2-63	PERC	M28A2		76-1-1099	76-1-1269	Fused
17	S ^w	All	75-1-262	Shot	75-2-408	HVTP-T	M317A2 ^{dd}		Steel		75-17-11	Tracer	.01	16.31						71-2-112	M19	M6	8.40 ^d	74-2-68	PERC	M40A1		76-1-1106	76-1-1237	Complete
18	S&M	All	72-3-76	CTG		Drill	M12B2	72-3-77	Bronze	Casting				42.04 ^o			73-7-29	Inert	M43A2									76-1-1099	76-1-1269	Fused
19	S&M	All	75-1-310	Shot	75-2-479	HVAP-T	M332A1	75-2-481	A1 Alloy	FORG	75-17-11 ⁿ	Tracer	.01	12.44						71-2-112	M19	M17	8.5	74-2-68	PERC	M49		76-1-1106	76-1-1237	Complete
20	S&M	All	75-1-310	Shot	75-2-479	HVAP-T	M332B1A1	75-2-481	A1 Alloy	FORG	75-17-11 ⁿ	Tracer	.01	12.44						71-2-112	M19	M17	8.5	74-2-68	PERC	M49		76-1-1106	76-1-1237	Complete
21	S&M	All	75-1-310	Shot	75-2-482	HVAP-T	M333A1	75-2-483	A1 Alloy	FORG	75-17-11 ⁿ	Tracer	.01	12.44						71-2-112	M19	M17	8.5	74-2-68	PERC	M49		76-1-1106	76-1-1237	Complete
22	S&M	All	P-83070	CTG	P-85207	CSTR	M336							23.29						71-2-112	M19	M17	8.5	74-2-68	PERC	M49		76-1-1167	76-1-1168	Complete
23	S&M	All	75-1-163	Shell	75-18-42	TP	M71	75-20-92	Steel	FORG	75-1-163	Inert	2.15	23.4			72-5-11	Dummy	M73 ^h	71-2-112	M19	M15	7.31 ^c	74-2-68	PERC	M49		76-1-1099	76-1-1269	Fused
24																														
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

APC-T - Armor Piercing Cap-Tracer
 CP - Concrete Piercing
 D - Ammunition Piercing
 HE - High Explosive
 HVAP-T - Hypervelocity Armor Piercing - Tracer
 M - Manufacture
 MT - Mechanical Time
 PD - Point Detonating
 PERC - Percussion
 S - Issue
 TNT - Trinitrotoluene
 TP - Target Practice
 TSQ - Time and Superquick
 WP - White Phosphorus
 HVTP-T - Hypervelocity Target Practice - Tracer
 MTSQ - Mechanical Time - Superquick
 CSTR - Canister
 CTG - Cartridge
 BRSTR - Bursting Charge

a - Substitute Standard.
 b - TNT is Substitute Standard filler.
 c - This is a Smokeless-Flashless round.
 d - This is a Smokeless round.
 e - Core is made from tungsten carbide. Other parts A1 Alloy and Steel.
 f - Weight as fired when using Fuze, VT, M92, M93 and M97, is 23.54 LB.
 g - This is a flashless round.
 h - Alternative:- Fuze, Dummy, M44A2, DWG 75-2-2, Inert Fuzes, M43 and M51 series with Boosters as required.
 k - Shipped with Nose Plug and Washer, DWG 75-14-575.
 l - Alternative:- Primer, Percussion, M28B2, may be used.
 m - Fuze, PD, M57, DWG 73-2-138, Limited Standard.
 n - Standard Tracer M5A2B1; Alternative, Tracer, M5A2.
 o - Weight includes complete cartridge.
 p - Casing, Bursting, M13 DWG 73-1-212.
 q - Fuze, CP, M78A1 DWG 73-2-214 and Booster, M25, DWG 73-2-213; Fuze, MT, M67A3, DWG 73-7-97 can be used.
 r - With supplementary charge: Weight of Supplementary Charge .33 LB.

s - Weight is without supplementary charge, using VT Fuzes. Weight with supplementary charge and Fuze, MTSQ, M502--23.26 LB.
 t - Used with supplementary charge:- Fuze, MT, M43A4; MT, M57A3; TBQ, M55A3; MTSQ, M500; MTSQ, M502. Used with supplementary charge removed:- Fuze, VT, M92; VT, M93; VT, M97A1. This round may also be used with Standard point fuze and boosters.
 u - Packing Drawings:-
 Primer M28A2 - 76-8-112
 Primer M40A1 & M49 - 76-8-105
 Booster M21A4 - 76-7-738
 Bursting Charge M24 - 76-1-1104
 v - Red marker shell.
 w - Limited standard.
 x - Fuze, MT, M67 series may be used.
 y - Container, Metal, Ammunition, 90-MM, M159 series, DWG 76-1-672, used only when specially authorized.
 z - Some rounds on hand are assembled with M48A2 or M51A4 PD Fuzes.
 aa - Some rounds on hand are assembled with Booster, M20A1, DWG 73-2-112.
 bb - Some rounds on hand are assembled with M43A4 or M43A3 MT Fuzes.
 cc - Rounds on hand assembled with M55A3, TBQ, Fuzes.
 dd - Some rounds on hand designated M317A1.

Issued 1 April 1954

Sheet No. 11

LINE NO.	STATUS	MODEL OF HOW.	CARTRIDGE ROUND DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE			PRIMER			PACKING ^q					
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	COMP-OSITION DESIG-NATION	NOM-INAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DWG NO.	CARTRIDGE			
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB																INNER ^r PACK DWG NO.	OUTER ^s PACK DWG NO.	SHIPPED	
1	S&M	All	75-1-75	Shell	75-4-75	HE	M1	75-20-76	Steel	FORG	75-14-206	COMP B	5.08	33.00	73-2-154	M21A4	73-2-146	PD	M51A5 ^{1u}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
2	S&M	All	75-1-91	Shell	75-4-75	HE	M1	75-20-76	Steel	FORG	75-14-206	COMP B	5.08	33.00	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{1st}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
3	S&M	All	75-1-185	Shell	75-4-75	HE	M1	75-20-76	Steel	FORG	75-14-447	COMP B	4.6 ^m	33.09	73-2-154	M21A4	73-2-146	PD	M51A5 ^{1u}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
4	S&M	All	75-1-208	Shell	75-4-75	HE	M1	75-20-76	Steel	FORG	75-14-447	COMP B	4.6 ^m	33.09	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{1st}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
5	S&M	All	75-1-248	Shell	75-4-75	HE	M1	75-20-76	Steel	FORG	75-14-447	COMP B ^m	4.6 ^m	33.25 ⁿ				VT	M97A1	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g		76-1-1135	76-1-530	W/O Fuse	
6																																
7	S&M	All	75-1-142	Shell	75-4-106	HEAT-T	M67	75-20-94	Steel	FORG	75-14-352	COMP B	2.93	22.29			73-2-239	BD	M91A1 ^w	71-2-101	M14	71-9-204	M1	1.54	74-2-63	PERC	M28A2 ^g	76-1-1097	76-1-1136	76-1-530	Fuzed	
8																																
9	S&M	All	75-1-146	Shell	75-4-105	BE Smoke	M44	75-4-111	Steel	FORG	75-14-341	HC	7.5	32.86	75-14-341	BE, .14LB	73-7-136	MTSQ	M501 ^x	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-1-1238	76-1-1135	76-1-530	Fuzed	
10	S&M	All	75-1-149	Shell	75-4-105	BE Smoke	M84B1	75-4-111	Steel	FORG	75-14-341	P	P	P	75-14-341	BE, .14LB	73-7-136	MTSQ	M501 ^x	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-1-1238	76-1-1135	76-1-530	Fuzed	
11																																
12	S&M	All	75-1-140	Shell	75-4-91	Smoke	M60	75-20-76	Steel	FORG	75-14-273	FS	4.61	35.38	73-1-177 ^h	M5	73-2-146	PD	M51A5 ^{av}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
13	S&M	All	75-1-190	Shell	75-4-91	Gas	M60	75-20-76	Steel	FORG	75-14-273	H	3.17	33.94	73-1-177 ^h	M5	73-2-146	PD	M51A5 ^{av}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
14	S&M	All	75-1-110	Shell	75-4-91	Smoke	M60	75-20-76	Steel	FORG	75-14-273	WP	4.06	34.93	73-1-177 ^h	M5	73-2-146	PD	M51A5 ^{av}	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-7-620	76-1-1135	76-1-530	Fuzed	
15																																
16	S&M ^o	All	75-1-229	Shell	75-4-123	ILLUM	M314A1	75-4-129	Steel	FORG	75-14-508	ILLUM	1.87	36.55	75-14-508	.078 LB BP	73-7-136	MTSQ	M501 ^x	71-2-101	M14	71-9-100	M1 ^f	2.75	74-2-63	PERC	M28A2 ^g	76-1-1238	76-1-1135	76-1-530	Fuzed	
17																																
18	S&M	All	75-1-191	Shell	75-4-106	TP-T	M67	75-20-94	Steel	FORG	75-14-463	Tracer Inert	.01 3.89	29.29							71-2-101	M14	71-9-204	M1	1.54	74-2-63	PERC	M28A2 ^g		76-1-1136	76-1-530	Complete
19	S&M	All	72-3-78	CTG	72-3-79	Drill	M14	72-3-79	Iron	Cast				42.06 ^k			72-5-5	Dummy	M59 ^c	72-3-79		72-6-64	Dummy ^b	3.10	74-2-63	PERC	M1B1A2 ^c		76-1-1135	76-1-530	Complete	
20																																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

MTSQ - Mechanical Time - Superquick

BD - Base Detonating

HE - Base Ejection

CP - Concrete Piercing

CTG - Cartridge

FORG - Forging

FS - Sulfur Trioxide Solution

H - Mustard

HC - Hexachlorethane Mixture

HE - High Explosive

HEAT-T - High Explosive Anti-Tank-Tracer

ILLUM - Illuminating

M - Manufacture

PD - Point Detonating

PERC - Percussion

S - Issue

TNT - Trinitrotoluene

TP-T - Target Practice-Tracer

TBQ - Time and Superquick

WP - White Phosphorus

COMP B - Composition B

BP - Black Powder

a - Assembled with Booster, M21A4.

b - Charge, Propelling, Dummy, M3 for 105-MM Howitzers.

c - Inert Primers, Percussion, M1B1A2 or M1A2 may be used.

d - Case, Cartridge, M14B1 (steel), DWG 71-2-151, Substitute Standard.

e - Fuze, TBQ, M54, Inert may be used.

f - Dual Granulation - Charges 1 and 2, .015-inch web, single perforated; charges

3,4,5,6 & 7, .025-inch web, multiple perforated.

g - Alternative:- Primer, Percussion, M28B2 DWG 74-2-63.

h - Bursting Casing, M5, DWG 75-1-172.

k - Complete Drill Cartridge Assembly weight.

l - Fuze, CP, M78 DWG 73-2-214 and Booster, M25 DWG 73-2-213 Separate issue for field

assembly.

m - Weight is without supplementary charge. This round is issued with supplementary charge of

TNT weighing .33 LB. Supplementary charge must be in place when Fuze, PD, M51A4 or

M51A5, Fuze, CP, M78 or Fuze, TBQ, M55A3 or MTSQ, M500 is used. Remove this charge for

Fuze, VT, M97.

n - As fired W/VT Fuzes, supplementary charge removed, as fired weight W/SUPPL charge W/Fuze,

MTBQ, M500 or Fuze, PD, M51A5-33.09 LB.

o - Shells designated M314 are Limited Standard.

p - Weight Loaded

and Fuzed

4.92

5.32

5.12

5.12

Charge

Kind

Yellow

Red

Violet^r

Green

q - Packing Drawings:-

Primer M28A2 - 76-8-112

M28B2 - 76-8-113

M1B1A2 - 76-8-111

Booster M21A4 - 76-7-738

Burster Charge M5 - 76-16-283

t - Shell, Smoke, Violet, M84B1, Limited Standard.

s - Fuze, MT, M67 series may be used.

u - Some Fuze, MTSQ, M500 on hand.

v - Some rounds have been assembled with Fuze, PD, M48A2, .05 second delay or Fuze, PD, M51A4.

w - Rounds on hand have been assembled with Fuze, TBQ, M54, or Fuze, TBQ, M55A3.

x - This round is Limited Standard when Fuze, BD, M62A1, DWG 73-2-168 is used.

y - Rounds on hand assembled with M54, TBQ Fuzes.

z - Some rounds assembled with Fuze, PD, M57, with Booster, M22, DWG 73-2-252 or Fuze, PD, M51A4.

aa - Container, Metal, Ammunition, 105-MM, DWG 76-1-674 Limited Standard, may be used when specially authorized.

Gas shells excluded.

as - M2A1 and M4 Limited Standard.

Issued 1 April 1954

Sheet No. 12

LINE NO.	STATUS	MODEL OF RIFLE	CARTRIDGE DRAWING NO.	KIND	PROJECTILE									BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				
					DRAWING NO.	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING ^k NO.	DESIG-NATION	KIND	NOMINAL WT LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	CARTRIDGE		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB															INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S&M ^a	M27	75-1-263	Shell	75-4-174	HE	M323	75-20-76	Steel	FORG	75-14-618	TNT ^m	4.38 ^b	32.5	75-2-154	M21A4	73-2-146	PD	M51A5 ^c	71-2-141	M32	M10	7.95	74-2-86	PERC	M57	76-7-620	76-1-1339	76-1-1341	FUZED
2	S&M ^a	M27	75-1-264	Shell	75-4-174	HE	M323	75-20-76	Steel	FORG	75-14-618	TNT ^m	4.38 ^b	32.5	75-2-154	M21A4	73-7-135	MISQ	M500A1 ^{cnp}	71-2-141	M32	M10	7.95	74-2-86	PERC	M57	76-7-620	76-1-1339	76-1-1341	FUZED
3																														
4	S&M ^a	M27	75-1-266	Shell	75-4-175	HEAT-T	M324 ^f	75-20-94	Steel	FORG	75-14-619	COMP B	3.00	29.00			73-2-239	BD	M91A1	71-2-141	M32	M10	8.21	74-2-86	PERC	M57	76-1-1097	76-1-1340	76-1-1341	FUZED
5																														
6	S&M ^a	M27	75-1-267	Shell	75-4-176	Smoke	M325 ^g	75-20-76	Steel	FORG	75-14-620	WP	4.06	34.58	73-1-177	M5 ^d	73-2-146	PD	M51A5 ¹	71-2-141	M32	M10	8.14	74-2-86	PERC	M57	76-7-620	76-1-1339	76-1-1341	FUZED
7																														
8	S&M ^a	M27	75-1-296	Shell	75-4-189	HEP-T	M326 ^h	75-4-193	Steel	FORG	75-14-637	COMP-A3 ^q	7.5	24.41			73-2-239	BD	M91A1	71-2-141	M32	M10	7.7	74-2-86	PERC	M57	76-1-1097	76-1-1342	76-1-1343	FUZED
9																														
10																														
11																														
12																														
13																														
14																														
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

B - Issue
M - Manufacture
TNT - Trinitrobenzene
COMP-B - Composition
WP - White Phosphorus
HE - High Explosive
HEAT-T - High Explosive Anti-Tank-Tracer
HEP-T - High Explosive Plastic-Tracer
PD - Point Detonating
BD - Base Detonating
MISQ - Mechanical Time Superquick
PERC - Percussion
FORG - Forging
COMP-A3 - Composition-A3
COMP-C4 - Composition-C4

a - Substitute Standard.
b - Weight is without Supplementary Charge. This round is issued with Supplementary charge of TNT weighing .365 LB, DWG 75-14-618. Supplementary Charge must be in place when Fuze, PD, M51A5 or Fuze, MISQ, M500A1 is used. Remove this charge for Fuze, VT, M97A1.
c - Fuze, VT, M97A1 may be used after removing Supplementary Charge.
d - Bursting Casing, M5 DWG 73-1-172.
e - Shell may be produced from Shell, HE, 105-MM, M1 and M1B1.
f - Shell may be produced from Shell, HEAT, 105-MM, M67.
g - Shell may be produced from Shell, Chem, 105-MM, M60.
h - Shell may be produced from Shell, Smoke, HE, 105-MM, M84.
k - Cartridge Case Liner, 71-2-160.
l - Assembled with Booster, M21A4.
m - Alternative charge - 4.61 LB COMP-B
n - Fuze, MT, M67 series may be used.
p - Some Fuze, MISQ, M500 on hand.
q - Some rounds may be loaded with COMP-C4.

LINE NO.	STATUS	DESIG- NATION OF MORTAR	COMPLETE ROUND DWG NO.	KIND	PROJECTILE								FUZE			PROPELLING CHARGE			IGNITION CARTRIDGE		PACKING				
					DRAWING NO.	TYPE	DESIG- NATION	MATERIAL		CHARGE			WEIGHT LOADED AND WHIPPED LB	DRAWING NO.	TYPE	DESIG- NATION	DRAWING NO.	INCRE- MENT DESIG- NATION	WT LB	DRAWING NO.	DESIG- NATION	FUZE DWG NO.	COMPLETE ROUND		
								KIND	TYPE ^h	DRAWING NO.	KIND	WT LB											INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S ^b	All	75-1-285	Shell	75-2-427	HE	M3A1 ^{dk}	Steel	FORG	75-14-631	TNT	7.8 ^e	26.03	73-2-146	PD	M51A5 ^{cm}	71-12-27	M6	.43	75-19-81	M2	76-7-620	76-1-1353	76-1-1354	Fuzed
2																									
3	S&M	All	75-1-284	Shell	f	Smoke	f	Steel	Tubing	75-14-630	WP	7.5	25.1	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
4	S&M	All	75-1-284	Shell	f	Smoke	f	Steel	Tubing	75-14-630	FS	7.5	25.1	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
5	S&M	All	75-1-284	Shell	f	Smoke	f	Steel	Tubing	75-14-630	FM	7.5	25.1	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
6	S&M	All	75-1-284	Shell	f	Smoke	f	Steel	Tubing	75-14-630	PWP	6.25	23.8	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
7	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	H	6.2	23.7	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
8	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	HD	6.0	23.5	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
9	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	CNB	5.45	23.1	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
10	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	CNS	7.0	24.6	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
11	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	HT	5.75	23.3	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
12	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	CK	5.0	22.6	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
13	S&M	All	75-1-284	Shell	f	Gas	f	Steel	Tubing	75-14-630	CG	6.25	23.8	73-2-311	PD	M8	71-12-27	M6	.43	75-19-81	M2	76-1-1194	76-1-1189	76-1-1188	Fuzed
14																									
15	S&M ^a	All	75-1-325	Shell	75-2-253	ILLUM	M335	Steel	Tubing	75-14-668	ILLUM			73-7-136	MTSQ	M501A1 ⁿ	71-9-261	M36	.69	75-19-81	M2	76-1-1238	76-1-1253	76-1-1254	Fuzed
16																									
17	S&M	All	75-1-301	Shell	75-2-453	HE	M329	Steel	Tubing	75-14-643	TNT	7.8 ^e	26.23	73-2-146	PD	M51A5	71-9-261	M36	.69	75-19-81	M2	76-7-620	76-1-1253	76-1-1254	Fuzed
18																									
19																									
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

CG - Phosgene Gas
CK - Cynogen Chloride Gas
CNB - Chloracetophenone, Benzol and Carbon Tetrachloride Solution.
FS - Sulfur Trioxide-Chlorosulfonic Acid Solution
FM - Titanium Tetrachloride
H - Mustard
HD - Mustard Distilled
HE - High Explosive
HT - Mustard-T Mixture
M - Manufacture
PWP - Plasticized White Phosphorus
S - Issue
TSQ - Time and Superquick
WP - White Phosphorus
ILLUM - Illuminating
TNT - Trinitrotoluene

a - Substitute Standard.
b - Limited Standard.
c - Fuze, TSQ, M5, DWG 73-3-181, separate issue for field assembly. Packing DWG 76-1-1192.
d - M3A1 Alternative, DWG 75-2-429.
e - Weight is without supplementary charge. Weight of supplementary charge - .365 LB.
f - Designation Drawing Number
 M2 75-2-420
 M2 ALT 75-2-422
 M2A1 75-2-443
 M2A1 ALT 75-2-445
g - M30 Standard, M2 Limited Standard.
h - M2, M2A1, and M3A1 - Forging.
 M2 ALT, M2A1 ALT, and M3A1 ALT - Tubing.
k - Some rounds on hand designated M3.
m - Some rounds on hand with improved M3 Fuzes.
n - Some M501 Fuzes on hand.

LINE NO.	STATUS	MODEL OF GUN	PROJECTILE											BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING																																																																																																																																																																																																																																																																																																																																																																						
			DRAWING NO.	KIND	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	CARTRIDGE BAG		NOMINAL WT LB	COMP-OBITION DESIG-NATION	DRAWING NO.	TYPE	MK NO.	FUZE DWG NO.	BOOSTER DWG NO.	CSC DWG NO.	PRIMER DWG NO.	PROJECTILE																																																																																																																																																																																																																																																																																																																																																																		
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB							DRAWING NO.	DESIG-NATION										DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.

S - Issue
HE - High Explosive
PD - Point Detonating
MT - Mechanical Time
CP - Concrete Piercing
PROJ - Projectile
TNT - Trinitrotoluene
PERC - Percussion
CSC - Cartridge Storage Case
MTSQ - Mechanical Time Superquick
FORG - Forging
CSTG - Casting

a - The 4.5 Inch Gun, M1 is obsolete. The ammunition for this gun is limited standard for training purposes.
b - Inert Primer, Percussion, Mk 2A4.
c - A spotting charge of red phosphorus is located in the bursting charge.
d - Use eyebolt lifting plug, DWG 75-14-92.
e - M8B1 alternative material - malleable iron cap.
f - Fuze, CP, M78, DWG 73-2-214, and Booster, M25, may be used.
g - Grommet, DWG 75-14-371.
h - Fuze, MT, M67 series may be used.
k - Some Fuze, MTSQ, M500 on hand.
m - Some M51A4 PD Fuzes on hand.
n - Some M67A3 MT Fuzes on hand, DWG 73-7-97.

LINE NO.	STATUS	MODEL OF GUN	PROJECTILE												BOOSTER		FUZE			PROPELLING CHARGE								PRIMER			PACKING			
			ASSEMBLY DWG NO.	METAL PARTS ASSEMBLY DWG NO.	KIND	TYPE	DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	CARTRIDGE CASE		PROPELLANT		DRAWING NO.	TYPE	DESIG-NATION	FUZE DWG NO.	PRO- ^m PELLING CHARGE DWG NO.	PRO- ^m JECTILE DWG NO.	SHIPPED		
								DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB									DRAWING NO.	DESIG-NATION	DESIG-NATION	NOMINAL WT LB									
1	S&M	M1	75-18-48	75-18-40	Shell	HE	M73	75-20-82	Steel	FORG	75-14-318	TNT	5.26	50	73-2-154	M21A4	73-9-237	M15Q	M506 ^{g p}	71-9-161 ^a	M15A2 ^k	71-2-161	M34 ^h	M6	24	74-2-86	PERC	M57 ^q		76-1-1504	76-1-1504	FUZED		
2	S&M	M1	75-18-56	75-18-40	Shell	HE	M73	75-20-82	Steel	FORG	75-14-447	TNT	4.83 ^f	47.36 ⁿ					^{c p}	71-9-161 ^a	M15A2 ^k	71-2-161	M34 ^h	M6	24	74-2-86	PERC	M57 ^q		76-1-1504	76-1-1504	N/O FUZE		
3																																		
4																																		
5																																		
6	S&M	M1	72-1-84	75-18-40 ^d	PROJ	Dummy	M15	75-20-82	Steel	FORG	72-1-84	Inert	5.26	49.53	73-2-114 ^b	M21A4	72-5-12	Dummy	M79	72-2-94	M13	71-2-113	M24	Inert	24	74-2-42	Inert	a		76-1-1504	76-1-1504	FUZED		
7																																		
8																																		
9																																		
10																																		
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		

S - Issue
M - Manufacture
HE - High Explosive
M15Q - Mechanical Time Superquick
PERC - Percussion
FORG - Forging
PROJ - Projectile
TNT - Trinitrotoluene

a - Inert head assembly of primer only.
b - M21A4 booster body only.
c - Fuze, VT, M504 may be used upon removing Supplementary Charge.
Fuze, M15Q, M506 with Booster, M21A4 is used with supplementary charge.
d - See 72-1-84 for additional information on this shell.
e - Plug, Closing, M5, Standard, DWG P-82892.
f - Weight is without supplementary charge. This round is issued with supplementary charge weighing .365 LB, DWG 75-14-468. This charge must be removed when firing a VT Fuze.
g - M61A2, MP, Fuze, DWG 73-7-71 Limited Standard.
h - M24, Cartridge Case, DWG 71-2-113 - Limited Standard.
k - M15, M15A1, Propelling Charge Limited Standard.
m - M15A2 Propelling Charge, Inner Packing DWG 76-1-1137
Shell, M73, Inner Packing DWG 76-1-1138.
n - Weight includes supplementary charge with shell unfuzed.
p - Some rounds on hand assembled with M61 and M61A1 Fuzes.
q - Some rounds on hand assembled with M15A2 Primers.

LINE NO.	STATUS	MODEL OF GUN	PROJECTILE											ADAPTER AND BOOSTER OR BURSTER		FUZE			PROPELLING CHARGE			PRIMER			PACKING					
			DRAWING NO.	KIND	TYPE	MK OR MOD	MATERIAL			CHARGE			WT LOADED AND FUZED LB																	
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB																		
			DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	WT CHARGE LB	DRAWING NO.	TYPE	MK OR MOD	FUZE DRAWING NO.	BOOSTER DRAWING NO.	CSC DRAWING NO.	PRIMER DRAWING NO.	DRAWING NO.	SHIPPED						
1	S&M	M2	75-4-80	Shell	HE	M101	75-20-80	Steel	FORG	75-14-616	TNT	15.7	95.73	73-2-154	M21A4	73-2-146	PD	M51A5 ^{ak}	71-9-94	M19	31.6	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed
2	S&M	M2	75-4-80	Shell	HE	M101	75-20-80	Steel	FORG	75-14-616	TNT	15.7	95.73	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{afgm}	71-9-94	M19	31.6	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed
3																														
4	S&M	M2	75-4-89	Shell	Smoke	M104	75-20-80	Steel	FORG	75-14-296	WP	15.60	98.71	73-1-179 73-2-154	M6 M21A4 ^c	73-2-146	PD	M51A5 ^k	71-9-94	M19	31.6	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed
5	S&M	M2	75-4-89	Shell	Smoke	M104	75-20-80	Steel	FORG	75-14-296	PS	16.90	100.01	73-1-179 73-2-154	M6 M21A4 ^c	73-2-146	PD	M51A5 ^k	71-9-94	M19	31.6	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed
6	S&M	M2	75-4-89	Shell	Gas	M104	75-20-80	Steel	FORG	75-14-296	H	11.70	94.81	73-1-179 73-2-154	M6 M21A4 ^c	73-2-146	PD	M51A5 ^k	71-9-94	M19	31.6	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed
7																														
8	S&M	M2	75-4-120	Shell	ILLUM	M118A1 ^e	75-4-121	Steel	FORG	75-14-480	ILLUM	1.83	103.06	75-4-201	.188LB BP	73-7-136	MTSQ	M501 ⁿ	71-9-94 ^d	M19	31.6	74-2-21	PERC	2A4	76-1-1238		20-4-422	76-1-775	b	Unfuzed
9																														
10																														
11	S&M	M2	72-1-69	PROJ	Dummy	M7	72-1-70	CI, STL, BRZ	CSTG										72-2-78	M100	32.2	74-2-21	PERC	2A4			20-4-422	76-1-775	76-3-91	Complete
12																														
13																														
14																														
15																														
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

- AP - Armor Piercing
CP - Concrete Piercing
CSC - Cartridge Storage Case
D - Ammonium Picrate
PS - Sulfur Trioxide Solution
H - Mustard Gas
HE - High Explosive
ILLUM - Illuminating
M - Manufacture
MT - Mechanical Time
PD - Point Detonating
MTSQ - Mechanical Time Superquick
PERC - Percussion
S - Issue
TNT - Trinitrotoluene
WP - White Phosphorus
CSTG - Casting
CI - Cast Iron
BP - Black Powder
STL - Steel
BRZ - Bronze

a - Fuze, CP, M73A1, DWG 73-2-214 and Booster, M25, may be used, non-delay or .025 sec.
b - Use Eyebolt Lifting Plug, DWG 75-14-42, and Grommet, DWG 75-14-371.
c - Bursting Casing, M1, DWG 73-1-168.
d - Base section only.
e - M118B1 Alternative, M118 and M118B1 are Limited Standard.
f - Fuze, MT, M67 series may be used.
g - Some Fuze, MTSQ, M500 on hand.
k - Some M51A4 PD Fuzes are on hand.
m - Fuzes on hand are M67A3 MT Fuzes, and other combinations of M67 MT Fuze, DWG 73-7-97.
n - Fuzes on hand are M54 MTSQ Fuzes, DWG 73-3-154.

LINE NO.	STATUS	MODEL OF HOW-ITZER	PROJECTILE											ADAPTER AND BOOSTER OR BURSTER		FUZE			PROPELLING CHARGE			PRIMER			PACKING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			DRAWING NO.	KIND	TYPE	MK OR MOD	MATERIAL			CHARGE			WEIGHT LOADED AND FUZED LB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB		DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	NOM-INAL WT CHARGE LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	BOOSTER DRAWING NO.	CSC DRAWING NO.	PRIMER DRAWING NO.	PROJECTILE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

CBC - Cartridge Storage Case
BE - Base Ejection
FM - Titanium Tetrachloride Mixture
FS - Sulfur Trioxide Solution
H - Mustard Gas
M - Manufacture
MT - Mechanical Time
PD - Point Detonating
S - Issue
TNT - Trinitrotoluene
TSQ - Time and Superquick
WP - White Phosphorus
MTSQ - Mechanical Time-Superquick
PERC - Percussion
FORG - Forging
ILLUM - Illuminating
CI - Cast Iron
STL - Steel
BRZ - Bronze
CSTG - Casting
RP - Black Powder
CP - Concrete Piercing

a - Weight without Supplementary Charge. This shell is issued with Supplementary Charge weighing .365 LB. This charge must be removed for the VT Fuze.
The charge must be in place for Fuze, PD, M51A5 or M51A4, MT, M67A3, TSQ, M55A3, CP, M78, or MTSQ, M500A1.
b - M3 Charge, Zones 1-5, M4A1, Charge, Zones 3-7.
c - Use Eyebolt Lifting Plug, DWG 75-14-442, and Grommet, DWG 75-14-371.
d - Burster Casing, M1, DWG 73-1-168.
e - Fuze, CP, M78A1, DWG 73-2-214, and Booster, M25, may be used, non-delay or .025 Sec.
f - Alternative:- M116B1, DWG 75-4-112.
g - Howitzer, M1, 155-MM, Limited Standard.
h - Weight with Supplementary Charge and without Fuze.
k - Alternative:- M118A1B1, DWG 75-4-120. M118 and M118B1 Limited Standard.
l - CHARGE SMOKE
Kind Total WT Canister Assemblies APPROX LB WT Loaded and Fuzed LB
Green 17.19 86.44
Red 17.19 86.44
Yellow 17.19 86.44
Violet 17.19 86.44
HC 25.84 94.35
m - Shell, Smoke, Violet, M116, Limited Standard.
n - Fuze, MT, M67 series may be used. Some Fuze, MTSQ, M500 on hand.
p - Other combinations of Fuze, TSQ, M55; MT, M67 or PD, M51A4 are on hand.
q - Fuze on hand are TSQ, M54 fuzes.

LINE NO.	STATUS	MODEL OF GUN	PROJECTILE											ADAPTER AND BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING					
			DRAWING NO.	KIND	TYPE	Mk OR MODEL NO.	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	CARTRIDGE BAG		DESIG-NATION	NOMINAL WEIGHT CHARGE LB	DRAWING NO.	TYPE	DESIG-NATION	FUZE DRAWING NO.	BOOSTER DRAWING NO.	CSC DRAWING NO.	PRIMER DRAWING NO.	PROJECTILE				
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB				DRAWING NO.	TYPE										DESIG-NATION	DRAWING NO.	SHIPPED		
1	S&M	M1	75-4-87	Shell	HE	M103	75-20-87	Steel	FORG	75-14-258	TNT	20.9	240	73-2-154	M21A4 ^d	73-2-163	PD	M51A5 ^a Mod 3 ^b	71-9-227	B&I	M13 ^e	90 ^c	74-2-21	PERC	2A4	76-1-1238	76-7-738	20-4-422	76-1-775	20-4-222	Fuzed
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10	S&M	M1	72-1-75	PROJ	Dummy	M13	72-1-76 72-1-77	Steel, Bronze	CSTG										72-2-78	B&I	M7	77	72-2-21	PERC	2A4				76-1-775	76-3-9	Complete
11																															
12																															
13																															
14																															
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

- S - Issue
M - Manufacture
PD - Point Detonating
BD - Base Detonating
HE - High Explosive
AP - Armor Piercing
CI - Cast Iron
CBC - Cartridge Storage Case
B&I - Base & Increment
TP - Target Practice
CSTG - Casting
PERC - Percussion
PROJ - Projectile

a - Fuze, CF, M78A1, non-delay or .025 sec delay, DWG 73-2-214, and Booster, M25, also used and assembled in field.
b - Fuze, MT, M67A3, DWG 73-7-77 or M18Q, M500A1, DWG 73-7-135, also used and assembled in field.
c - 90 lb Propellant, M6; .75 lb Black Powder in Igniter Charge.
d - Some shells on hand are assembled with M51 series fuzes using Booster M20.
e - Charges, Propelling, M9 and M10, on drawings 71-9-209 and 213, are Limited Standard.

LINE NO.	STATUS	MODEL OF HOW.	PROJECTILE											BOOSTER		FUZE			PROPELLING CHARGE			PRIMER			PACKING						
			DRAWING NO.	KIND	TYPE	MARK OR DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	NOM-DNAL WT LB	DRAWING NO.	TYPE	MK NO.	FUZE DRAWING NO.	BOOSTER DRAWING NO.	CBC DRAWING NO.	PRIMER DRAWING NO.	PROJECTILE		
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB																	DRAWING NO.	SHIPPED	
1	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-616	TNT	36.75	200	73-2-154	M21A4	73-2-146	PD	M51A5 ^{a,f}	71-9-165	M1	13.3 ^d	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed	
2	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-616	TNT	36.75	200	73-2-154	M21A4	73-2-146	PD	M51A5 ^{a,f}	71-9-169	M2	28.3 ^d	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed	
3	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-616	TNT	36.75	200	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{aeg}	71-9-165	M1	13.3 ^d	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed	
4	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-616	TNT	36.75	200	73-2-154	M21A4	73-7-135	MTSQ	M500A1 ^{aeg}	71-9-169	M2	28.3 ^d	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	b	Unfuzed	
5	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-457	TNT	36.32 ^c	200				VT	M96 ^{ac}	71-9-165	M1	13.3 ^d	74-2-21	PERC	2A4	330102 ^{Navy}		20-4-422	76-1-775	b	Unfuzed	
6	S&M	M2	75-4-76	Shell	HE	M106	75-20-88	Steel	FORG	75-14-457	TNT	36.32 ^c	200				VT	M96 ^{ac}	71-9-169	M2	28.3 ^d	74-2-21	PERC	2A4	330102 ^{Navy}		20-4-422	76-1-775	b	Unfuzed	
7																															
8																															
9																															
10																															
11	S	M2	72-1-69	PROJ	Dummy	Mk 1A1		CI, STL, BRZ					188.6						72-2-68	M4	28.75	74-2-21	PERC	2A4				76-1-775	76-3-9	Complete	
12	S&M	M2	72-1-82	PROJ	Dummy	M14		CI, STL, BRZ					200						72-2-68	M4	28.75	74-2-21	PERC	2A4				76-1-775	76-3-9	Complete	
13																															
14																															
15																															
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

S - Issue
M - Manufacture
PD - Point Detonating
CSC - Cartridge Storage Case
HE - High Explosive
MT - Mechanical Time
CP - Concrete Piercing
CI - Cast Iron
FORG - Forging
PERC - Percussion
TNT - Trinitrotoluene
STL - Steel
BRZ - Bronze

a - Fuze, CP, M73A1, non-delay or .025 SEC delay, DWG 73-2-214 and Booster, M25, also used and assembled in field.
b - Use eyebolt lifting plug DWG 75-14-42. Grommet used for shipping DWG 75-14-371.
c - Weight is without Fuze. This round is issued with supplementary charge of TNT weighing .365-lb. Supplementary charge must be assembled with Fuze, PD, M51A5; Fuze, MTSQ, M500A1; or Fuze, MT, M67A3, is used. Remove this charge for Fuze, VT, M96.
d - Weight of propellant powder; .313 LB Black Powder in Igniter Charge.
e - Fuze, MT, M67 series may be used.
f - Some Fuzes, PD M51A4 on hand.
g - Some Fuzes, MT M67A3 on hand.

LINE NO.	STATUS	MODEL OF HOW.	PROJECTILE											BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING					
			DRAWING NO.	KIND	TYPE	MK OR DESIG-NATION	MATERIAL			CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	DRAWING NO.	TYPE	DESIG-NATION	CARTRIDGE BAG		DESIG-NATION	NOM-INAL WT CHARGE LB	DRAWING NO.	TYPE	MK NO.	FUZE DRAWING NO.	BOOSTER DRAWING NO.	PROPEL-LANT DRAWING NO.	PRIMER DRAWING NO.	PROJECTILE	
							DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB							DRAWING NO.	TYPE										DRAWING NO.	SHIPPED
1	S&M	M1	75-4-92	Shell	HE	M114	75-20-89	Steel	FORG	75-14-616	TNT	54.06	360	73-1-154	M21A4	73-2-146	PD	M51A5 ^d	71-9-190	B&I	M23	78.5 ^e	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	a	Unfuzed
2	S&M	M1	75-4-92	Shell	HE	M114	75-20-89	Steel	FORG	75-14-616	TNT	54.06	360	73-1-154	M21A4	73-7-135	MTSQ	M500A1 ^{d,f,g}	71-9-190	B&I	M23	78.5 ^e	74-2-21	PERC	2A4	76-16-427	76-7-738	20-4-422	76-1-775	a	Unfuzed
3	S&M	M1	75-4-92	Shell	HE	M114	75-20-89	Steel	FORG	75-14-456	TNT	53.64 ^b	360.18				VT	M96 ^{b,d}	71-9-190	B&I	M23	78.5 ^e	74-2-21	PERC	2A4			20-4-422	76-1-775	a	Unfuzed
4																															
5																															
6																															
7																															
8	S&M	M1	72-1-79	PROJ	Dumory	M12		CI, STL, BRZ				360							72-2-86	B&I	M12	80	74-2-21	PERC	2A4			20-4-422	76-1-775	76-3-9 ^c	Complete
9																															
10																															
11																															
12																															
13																															
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

S - Issue
M - Manufacture
HE - High Explosive
CI - Cast Iron
PD - Point Detonating
MT - Mechanical Time
PERC - Percussion
CP - Concrete Piercing
TNT - Trinitrotoluene
MTSQ - Mechanical Time Superquick
B&I - Base and Increment
STL - Steel
BRZ - Bronze

a- Use eyebolt lifting plug, Drawing 75-14-42 and Grommet DWG 75-14-371.
b- Weight is without supplementary charge. This round is issued with supplementary charge of TNT weighting .365 LB. The supplementary must be in place when using Fuze, PD, M51A4, Fuze, PD, M51A5; Fuze, MTSQ, M500A1 or Fuze, MT, M67A3. The charge is removed when using Fuze, VT, M96.
c- For Packing and Marking see DWG 20-4-20.
d- Fuze, CP, M78A1, non-delay or .025 SEC delay, DWG 73-2-214, and Booster M25 may be used.
e- Weight of M6 Propellant, .5 LB Black Powder in Igniter.
f- Fuze, MT, M67 series may be used.
g- Some Fuzes, MTSQ, M67A3 on hand.

SUBCALIBER AMMUNITION FOR ARTILLERY AND SEACOAST GUNS AND HOWITZERS

LINE NO.	CANNON SUBCALIBERED	SUBCALIBER GUN	STATUS	COMPLETE ROUND DWG NO.	PROJECTILE										FUZE			CARTRIDGE CASE			PRIMER			PACKING COMPLETE ROUND			
					DRAWING NO.	KIND	TYPE	DESIG-NATION	MATERIAL			CHARGE			WEIGHT LOADED AND FUZED LB	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	WT PROP CHARGE LB	DRAWING NO.	TYPE	DESIG-NATION	PACKING COMPLETE ROUND		
									DRAWING NO.	KIND	TYPE	DRAWING NO.	KIND	WT LB											INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	75-MM RIFLE, M20	.30 CAL BBL	S&M	72-3-104	73-2-107	CTG	Training	M34		Steel	Bar		k					72-3-107						76-1-1123	76-1-835	Complete	
2	75-MM HOW, M1A1 & M3 76-MM GUN, M1A2 90-MM GUNS, M1, M1A1 & M3 105-MM HOW, M21 & M4	37-MM M12 37-MM M15 37-MM M14 37-MM M13	S&M	75-1-169	75-2-331	Shell	TP	M92		Steel	Bar	75-14-423	BP	.081	1.20	73-2-209	PD	M74	71-2-73	Mk 1A2	.07	74-2-63	PERC	M38A1	76-1-1159	76-1-1252	Fuzed
3	4.5-IN. GUN, M1 155-MM GUN, M2 155-MM HOW, M1 8-IN. HOW, M2	37-MM M1916 37-MM M1916 37-MM M1916 37-MM M1916	S&M	75-1-172 ^a	GA 2299	Shell	TP	M63 Mod 1		Steel	Bar	75-14-429	BP	.086	1.63	75-1-191	PRAC BD	M58	71-2-73	Mk 1A2	.06	74-2-37	PERC	M23A2	76-1-1160	76-1-1263	Fuzed
4	4.2-IN. Mortar, M2 ^h	60-MM M28 ^h	S&M	75-1-82	75-2-288	Shell	HE	M49A2	75-20-85	Steel	FORG	75-14-257	TNT	.34	3.03	73-1-161	PD	M52A2			.021				76-1-1116	76-1-1225	Fuzed
5	4.2-IN. Mortar, M30	60-MM M31	S&M	75-1-83	75-2-288	Shell	TP	M50A2	75-20-85	Steel	FORG	75-14-238	Inert BFP	.29 .09	3.03	73-1-161	PD	M52A2			.021				76-1-1116	76-1-1225	Fuzed
6			S&M		75-2-303	Shell	Training	M69		Iron	CBTG				4.43											g	W/O Fin
7			S ^h	75-1-245	75-2-269	Shell	TP	M48	75-20-77	Steel	FORG	75-1-245	Sand	1.72	14.70	73-2-140	Inert	M48A3 ^c	71-2-71	M18 ^b	1.35	74-2-63	IGN	M48	76-1-1120	76-1-1229	Fuzed
8	155-MM GUN, M2 (Seacoast)	75-MM M25	S&M	75-1-79	75-2-269	Shell	HE	M48	75-20-77	Steel	FORG	75-14-198	TNT	1.49	14.60	73-2-146	PD	M51A5 ^m	71-2-71	M18	1.15	74-2-63	PERC	M22A3	76-1-1120	76-1-1229	Fuzed
9			S&M	75-1-165	75-2-269	Shell	TP	M48	75-20-77	Steel	FORG	75-1-165	Sand	1.72	14.70	73-2-140	Inert	M48A3 ^c	71-2-71	M18 ^b	1.35	74-2-63	PERC	M22A3	76-1-1120	76-1-1229	Fuzed
10			S&M	75-1-183	75-2-269	Shell	HE	M48	75-20-77	Steel	FORG	75-14-445	TNT	1.04 ^f	14.69	73-2-146	PD	M51A5 ⁿ	71-2-91	M5A1	1.06	74-2-63	PERC	M64	76-1-1124	76-1-1231	Fuzed
11	8-IN. GUN, M1	75-MM HOW, M1A1	S&M	75-1-206	75-2-269	Shell	HE	M48	75-20-77	Steel	FORG	75-14-445	TNT	1.04 ^f	14.58	73-7-135	MISQ	M50QAL ^q	71-2-91	M5A1	.95	74-2-63	PERC	M64	76-1-1124	76-1-1231	Fuzed
12	240-MM HOW, M1		S&M	75-1-114	75-2-294	Shell	Smoke	M64	75-20-77	Steel	FORG	75-14-267	WP	1.34	14.70	73-2-140	PD	M48A3	71-2-91	M5A1	1.06	74-2-63	PERC	M1B1A2	76-1-1124	76-1-1231	Fuzed
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

- S - Issue
M - Manufacture
TP - Target Practice
PD - Point Detonating
BD - Base Detonating
PERC - Percussion
IGN - Igniting
BP - Black Powder
BFP - Black Powder Pellet
TNT - Trinitrotoluene
CBTG - Casting
PRAC - Practice
PROP - Propelling
HOW - Howitzer
CAL - Caliber
BBL - Barrel
CTG - Cartridge
AMTB - Anti-Motor Torpedo Boat

a - Substitute Standard.
b - Case, Cartridge, M18B1 is substitute standard.
c - Fuze, PD, M48 with Booster body. Fuze, Dummy, M73, DWG 72-5-11, may also be used.
d - Rounds with igniting primers take, in addition, the regular service primer for that weapon.
e - 90-MM, M1 and M1A1 Guns in AMTB Mount use M63 Mod 1 only. Other M1 and M1A1 Guns are not equipped with subcaliber Guns.
f - Weight is without supplementary charge. This round is issued with supplementary charge of TNT weighting .365 lb. This charge must be in place when Fuze, PD, M51A5, or Fuze, MITSQ, M50QAL is used. Fuze, MT, M67 series may be used.
g - 12 Shells per box, Fiberboard, Solid.
h - Limited Standard.
k - .30 Caliber cartridge used in this round. Round shipped without .30 Caliber Cartridge.
m - Some rounds on hand assembled with M51A3 and M51A4 Fuzes.
n - Some rounds assembled with Fuze, PD, M51A4.
p - Some rounds assembled with Fuze, TSQ, M55A3.
q - Some Fuze, MITSQ, M500 on hand. Fuze, MT, M67 series may be used.

Issued 1 April 1954

Sheet No. 22

BLANK AMMUNITION

LINE NO.	STATUS	WEAPON	COMPLETE ROUND DRAWING NO.	DESIG-NATION	CARTRIDGE CASE		WEIGHT OF CHARGE LB	PRIMER			BAG		CUP		PACKING		REMARKS
					DRAWING NO.	DESIG-NATION		DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	MA-TERIAL	DRAWING NO.	MA-TERIAL	INNER PACK DWG NO.	OUTER PACK DWG. NO.	
1	S&M	Adapter, M2 for 37-MM Guns, M6	75-1-119		71-2-96 71-1-119	M16 ^e Modified									76-7-632 ^h		Use Commercial No. 10 Gage Blank Cartridge.
2	S&M	37-MM Guns, M6	75-1-155		71-2-127	M28 ^k	.2 ^m	74-2-37	PERC	M23A2			75-14-626	Paper-board	76-1-1111	76-1-1235	
3	S	75-MM Guns M3, M6 75-MM Howitzers M1A1 and M3	75-1-67		71-2-99	M9A1 ^o	.87 ^q	74-2-63	PERC	M1B1A2	75-1-66	n	75-14-626	Paper-board	76-1-1119	76-1-1228	
4	S	75-MM Guns M3, M6 75-MM Howitzers M1A1 and M3	75-1-107		71-2-99	M9A1 ^o	.43 ^p	74-2-63	PERC	M1B1A2	75-1-66	n	75-14-626	Paper-board	76-1-1119	76-1-1228	
5	S&M	75-MM Guns 75-MM Howitzers M1 and M1A1	P-84181	M337 ^r	71-2-99	M9A1	1.00	74-2-63	PERC	M1B1A2	P-84181	CTG Cloth	75-14-626	Paper-board	76-1-1119	76-1-1228	
6	S	76-MM Guns M1A1C and M1A2	75-1-212		71-2-133	M29 ^d	.87 ^q	74-2-63	PERC	M1B1A2			75-14-626	Paper-board	76-1-1128	76-1-747	
7	S&M	76-MM Guns M1A1C and M1A2	P-83089	M351 ^s	71-2-133	M29	1.3	74-2-63	PERC	M1B1A2	P-83089	CTG Cloth	75-14-626	Paper-board	76-1-1128	76-1-747	
8																	
9	S&M	90-MM Guns M1, M1A1, M2, M3, M36 & T8	75-1-154		71-2-126	M27 ^f	1.5 ^a	74-2-63	PERC	M1B1A2	75-1-154	1	75-14-626	Paper-board	76-1-1133	76-1-581	
10																	
11	S&M	105-MM Howitzers M2A1 and M4	75-1-42		71-2-108	M15 ^c	2.0 ^b	74-2-63	PERC	M1B1A2	75-1-42	1	75-14-626	Paper-board	76-1-1134	76-1-1250	
12																	
13																	
14																	
15																	
16																	
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

M - Manufacture
PERC - Percussion
S - Issue
CTG - Cartridge

a - Alternative:- 1.13-LB black powder with potassium nitrate, DWG 75-1-154.
b - Alternative:- Charge, 1.5 LB black powder with potassium nitrate; weight of assembly - 1.54 LB.
c - Alternative:- Case, Cartridge, M15B1 (Steel).
d - Alternative:- Case, Cartridge, M26 or M26B1 DWG 71-2-123 (Modified).
e - Alternative:- Case, Cartridge, M16B1 DWG 71-2-147 and 75-1-119.
f - Alternative:- Case, Cartridge, M27B1 DWG 71-2-149.
g - Alternative:- Primer, Percussion, M1A2.
h - Storage Chest contains: 10 adapters, 100 NO. 10 blank cartridges and 1 Ram rod.
i - Alternative:- Case, Cartridge, M28B1 (Steel), DWG 71-2-148.
l - Cotton sheeting, unbleached; alternative:- Cartridge bag cloth, Grade "E".
m - DWG 75-1-155.
n - Pellet placed in moisture-proof cellophane wrapper.
o - Alternative:- Case, Cartridge, M18 or M18B1 DWG 71-2-71 (Modified).
p - Single Pellet, DWG 75-1-66.
q - Double Pellet, weight shown is for two pellets, DWG 75-1-66.
r - Substitute Standard:- Cartridge, Blank, M337A1, loaded with sodium nitrate black powder.
s - Substitute Standard:- Cartridge, Blank, M351A1, loaded with sodium nitrate black powder.

FRAGMENTATION BOMBS

LINE NO.	STATUS	BOMB							FIN ASSEMBLY		ADAPTER - BOOSTERS				FUZZES				PRIMER DETONATORS		ARMING WIRE ASSEMBLY DESIGN-NATION	PACKING				
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	CHARGE			WEIGHT LOADED AND FUZED LBS			NOSE		TAIL		NOSE		TAIL					FIN ASSEMBLY DRAWING NO.	FUZE		BOMB	
					DRAWING NO.	KIND	WEIGHT LB				DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	NOSE DWG NO.	TAIL DWG NO.			PACKING & MARKING DWG NO.	SHIPPED		
1	S&M	4-LB M83	82-0-106	82-3-456	82-14-50	TNT	.47	3.8								73-8-252	M129 ^q			aa, bb			h	k	Fuzed	
2																										
3	S&M	20-LB AN-M41A1 ^{gg}	82-0-39	82-3-275	82-14-15	TNT	2.7	20.2	82-3-276	AN-M100					73-8-390	AN-M158 ^{ee}				aa, bb	d	76-1-1215		a	Unfuzed	
4																										
5	S&M	23-LB M40A1 ^{hh}	82-0-29 ^u	82-3-252	82-14-15	TNT	2.7	24.6							73-8-367	M170 ^{v,ff}				aa, bb		76-16-360		b	Unfuzed	
6																										
7	S	23-LB M72A1	82-0-90 ^x	82-3-399	82-14-15	TNT	2.7	24.5							73-8-367	M170 ^{v,ff}				aa, bb		76-16-360		20-4-479	Unfuzed	
8																										
9	S&M	90-LB M82	82-0-105	82-3-472	82-14-49	COMP-B ^{z,cc}	11.5	88.5	82-3-475						73-8-14 ^{sy}	AN-M103A1				aa, bb	d	76-16-211		76-18-3 ^f	Unfuzed	
10																										
11	S&M	120-LB M86	82-0-131 ^z	82-3-472	82-14-49	COMP-B ^z	11.5	118.2			82-3-491	M117 ^z			73-8-138	M120A1				aa		76-16-360		76-18-3	Unfuzed	
12																										
13	S&M	220-LB AN-M88	82-0-132	82-3-577	82-14-60	COMP-B ^z	41.3	218.3	82-3-437 ^e	AN-M103A1		n	82-3-129	M102A1 ^c	73-8-14	AN-M103A1 ^y	73-8-183 ^d	AN-M100A2	73-8-70	M14 ^t	AN-M1A2	76-16-500	76-16-211	76-16-416	82-14-60 ^g	Unfuzed
14	S	260-LB AN-M81	82-0-102	82-3-434	82-14-48	COMP-B ^z	35.4	263	82-3-437 ^e	AN-M103A1		m n	82-3-129	M102A1 ^c	73-8-14	AN-M103A1 ^y	73-8-183 ^d	AN-M100A2	73-8-70	M14 ^t	AN-M1A2	76-16-500	76-16-211	76-16-416	82-14-48 ^g	Unfuzed
15																										
16																										
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue
M - Manufacture
TNT - Trinitrotoluene
AN - Army - Navy
COMP-B - Composition-B

a - See Cluster, Packing and Marking, DWG 76-16-262.
b - See Cluster, Packing and Marking, DWG 20-4-352.
c - Adapter Booster, M102, may be used.
d - Shipped on bombs in clusters.
e - Fin Assembly, M103, may be used. Fin Assembly M135 Standard for high altitude and/or high speed bombing and dive bombing.
f - For Cluster, Packing and Marking, see DWG 20-4-441.
g - Bomb as shipped.
h - Shipped assembled in bomb.
k - See Cluster, Packing and Marking, DWG 20-4-549.
m - Auxiliary Booster, M104, DWG 82-3-212.
n - Fuze Seat Liner, see DWG 82-3-182.
p - Fuze, Bomb, Tail, AN-M100A1, DWG 73-8-3, with Primer Detonator, M14, Non-Delay, may be used.
q - Fuze, Bomb, M130 (10-,20-,30-,40-,50-,60-min delay) and Fuze, Bomb, M131 (Anti-Disturbance) may be used.

r - Parachute Unit, M5, DWG 82-3-517.
s - Special Vane Assembly, DWG 73-8-281, used only when clustering bombs.
t - M14-non delay. Packing and Marking, DWG 76-7-649.
u - Parachute Unit, M3 DWG 82-3-265.
v - Detonator, M20, DWG 73-2-187.
w - Detonator, M19A2, DWG 73-2-186.
x - Parachute Unit, M4, DWG 82-3-400.
y - VT Fuzes M166 and M168 may also be used.
z - TNT Substitute Filler.
aa - These Arming Wires separate items of issue.
bb - See Clusters.
cc - Some bombs, TNT loaded.
dd - Nose Fuze, M120, Limited Standard.
ee - Nose Fuze, AN-M100A1, Limited Standard.
ff - Nose Fuze, AN-M120A1, and M120, Limited Standard.
gg - AN-M41, Limited Standard.
hh - AN-M40, Limited Standard.

CLUSTERS AND ADAPTERS, CLUSTER FOR BOMBS

LINE NO.	STATUS	CLUSTER			BOMB			CLUSTER ADAPTER		RELEASE MECHANISM			CLUSTER PACKING			
		DRAWING NO.	DESIGNATION	WEIGHT AS DROPPED LB	ASSEMBLY COMPLETE DWG NO.	TYPE	NO. PER CLUSTER	DRAWING NO.	DESIGNATION	DRAWING NO.	TYPE	DESIGNATION	BOMBS IN CLUSTER SHIPPED	FUZE CLUSTER (IF ANY)	SHIPPED	PACKING BOX DRAWING NO.
1	S	82-0-69	M1A1 ^d	125.	82-0-39	20-LB, FRAG, AN-M41	6	82-3-350	M1A1 ^d	82-3-350	Mechanical	-	Fuzed	None	Complete	76-16-262
2	S&M	82-0-69	AN-M1A2	128.	82-0-39	20-LB, FRAG, AN-M41A1	6	82-3-350	AN-M1A3	82-3-350	Mechanical	-	Unfuzed	None	Incomplete ^a	76-16-262
3																
4																
5																
6																
7	S	82-0-82	M4 ^e	87.2	82-0-29	23-LB, FRAG, M40	3	82-3-378	M3 ^e	82-3-378	Mechanical	-	Fuzed	None	Complete	20-4-352
8	S	82-0-82	M4A1	87.2	82-0-29	23-LB, FRAG, M40A1	3	82-3-378	M3	82-3-378	Mechanical	-	Unfuzed	None	Incomplete ^a	20-4-352
9	S&M	82-0-82	M4A2	87.2	82-0-29	23-LB, FRAG, M40A2	3	82-3-378	M3A1	82-3-378	Mechanical	-	Unfuzed	None	Incomplete ^a	20-4-352
10																
11																
12	S&M	82-0-92	M5	84.	82-0-91	23-LB, FRAG, M71A1 ^b	3	82-3-378	M3A1 ^c	82-3-378	Mechanical	-	No Fuze	None	Complete	20-4-352
13																
14																
15																
16																
17																
18																
19																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
FRAG - Fragmentation
PRAC - Practice

- a - Fuzes for bombs shipped separately to using services and inserted prior to ~~dropping~~ cluster.
b - M71 Bomb may be used.
c - M3 Adapter may be used.
d - Some cluster designated AN-M4A1 using AN-M1A2 Adapters have wider U-type suspension lugs.
e - Some clusters designated AN-M4 using AN-M3 Adapters have wider U-type suspension lugs.

CLUSTERS AND ADAPTERS, CLUSTER FOR BOMBS

LINE NO.	STATUS	CLUSTER			BOMB			CLUSTER ADAPTER		RELEASE MECHANISM			CLUSTER PACKING			
		DRAWING NO.	DESIGNATION	WEIGHT AS DROPPED LB	ASSEMBLY COMPLETE DWG NO.	TYPE	NO. PER CLUSTER	DRAWING NO.	DESIGNATION	DRAWING NO.	TYPE	DESIGNATION	BOMBS IN CLUSTER SHIPPED	FUZE CLUSTER (IF ANY)	SHIPPED	PACKING BOX DRAWING NO.
1	S&M		d	h	b	100-LB Bombs or Clusters	2	82-3-412	M12	82-3-412	Hook and Cable			c	c	
2	S&M		d	h	b	100-LB Bombs or Clusters	3	82-3-537	M17	82-3-537	Hook and Cable			c	c	
3	S&M		d	h	k	250-LB Bombs or Clusters	2	82-3-539	M18	82-3-539	Hook and Cable			c	c	
4	S&M		d	h	b	100-LB Bombs or Clusters	6	82-3-534	M24A1	83-3-534	Hook and Cable			l	a	
5	S	82-0-111	M26	416.	82-0-39	20-LB FRAG, AN-M41A1	20	82-3-477	M13	73-8-336	Mechanical or Fuze, MT	M155A1 P	Fuzed	Fuze	Complete	20-4-550
6	S	82-0-111	M26A1	416.	82-0-39	20-LB FRAG, AN-M41A1	20	82-3-477	M13A1	73-8-336	Mechanical or Fuze, MT	M155A1 P	Fuzed	Fuze	Incomplete ^g	20-4-550
7	S&M	82-0-111	M26A2	416.	82-0-39	20-LB FRAG, AN-M41A1	20	82-3-477	M13A2	73-8-336	Mechanical or Fuze, MT	M155A1 P	Unfuzed	Fuze	Incomplete ^g	20-4-550
8																
9																
10																
11	S	82-0-124 ⁿ	M27	590.	82-0-105	90-LB FRAG, M82	6	82-3-501	M14	73-8-336	Mechanical or Fuze, MT	M155A1 P	Unfuzed	Fuze	Incomplete ^g	m
12	S&M	82-0-124	M27A1	590.	82-0-105	90-LB FRAG, M82	6	82-3-501	M14A1	73-8-336	Mechanical or Fuze, MT	M155A1 P	Unfuzed	Fuze	Incomplete ^g	m
13																
14																
15	S	82-0-107	M28	118.7	82-0-106	4-LB, FRAG, M83	24	82-3-439	M15	73-8-336	Fuze, MT	M155A1 P	Fuzed	Fuze	Incomplete ^g	20-4-549
16	S	82-0-107	M28A1	118.7	82-0-106	4-LB, FRAG, M83	24	82-3-439	M15A1	73-8-336	Fuze, MT	M155A1 P	Fuzed	Fuze	Incomplete ^g	20-4-549
17	S	82-0-107	M28A2	118.7	82-0-106	4-LB, FRAG, M83	24	82-3-439	M15A2	73-8-33	Fuze, MT	M155A1 P	Fuzed	Fuze	Incomplete ^g	20-4-549
18																
19	S	82-0-108 ⁿ	M29	415.12	82-0-106	4-LB, FRAG, M83	90	82-3-446	M16	73-8-336	Fuze, MT	M155A1 P	e	Fuze	Incomplete ^g	f
20	S&M	82-0-108	M29A1	415.12	82-0-106	4-LB, FRAG, M83	90	82-3-446	M16A1	73-8-336	Fuze, MT	M155A1 P	e	Fuze	Incomplete ^g	f
21																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
MT - Mechanical Time
FRAG - Fragmentation
AN - Army - Navy

a - See Packing Instruction, PG 32.
b - Adapter Cluster is used with any 100-LB Bomb or Cluster.
c - 50 Adapter Clusters, M12, M17 or M18 packed in one carton. Two cartons packed in a box in accordance with Spec. AXB-1180 and shipped to using service.
d - No. "M" designation for Complete Cluster Assembly.
e - Bombs shipped in Wafers, Drum packing.
f - Packing and Marking for Adapter Cluster, DWG 20-4-452.
g - Cluster Fuze shipped separately.
h - Weight of Cluster will vary with weight of Bombs or Clusters assembled.
k - Adapter Cluster is used with any 250-LB Bomb or Cluster.
l - 16 Adapter Clusters, M24A1 packed in wood box.
m - For Packing and Marking of Bomb Cluster, see DWG 20-4-441. For Accessories Box see DWG 76-16-397.
n - Assembled in field.
p - Fuze, Bomb, Nose, MT, M155 is Limited Standard.

GENERAL PURPOSE BOMBS - SMALL (100 AND 250-LB)

LINE NO.	STATUS	BOMB							FIN ASSEMBLY		ADAPTER - BOOSTERS				FUZE				PRIMER DETONATORS		ARMING WIRE ASSEMBLY	PACKING				
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	NOSE		TAIL		NOSE		TAIL		DRAWING NO.	DESIG-NATION		FIN ASSEMBLY DRAWING NO.	FUZE		BOMB	
					DRAWING NO. ^c	KIND	WT LB				DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION					NOSE DRAWING NO.	TAIL DRAWING NO.	DRAWING NO.	SHIPPED
1	S	100-LB, AN-M30 ² (GP)	82-0-12	82-3-187	82-14-8	Amatol ^{aa}	51.1	112.3	82-3-437	M103A1 ^{vx}		g	82-3-129	M102A1	73-8-14	AN-M103A1 ^d	73-8-3 ^{tg}	AN-M100A2	73-8-69 ^a	M14 ^b	AN-M1A2 ^y	76-16-500	76-16-211 ^r	76-16-416 ^s	76-39-21 ⁿ	Unfuzed
2	S&M	100-LB, AN-M30A1 (GP)	82-0-12	82-3-187	82-14-8	Tritonal ^{aa}	62.	123.15	82-3-437	M103A1 ^{vx}		g	82-3-129	M102A1	73-8-14	AN-M103A1 ^d	73-8-3	AN-M100A2	73-8-69	M14 ^b	AN-M1A2 ^y	76-16-500	76-16-211 ^r	76-16-416 ^s	76-39-21 ⁿ	Unfuzed
3																										
4																										
5																										
6	S	250-LB, AN-M57 (GP)	82-0-60	82-3-317	82-14-30	TNT ^{bb}	127	261	82-3-192	M106A1 ^{vw}		eg	82-3-129	M102A1	73-8-14	AN-M103A1 ^d	73-8-3 ^u	AN-M100A2	73-8-69 ^a	M14 ^b	AN-M1A2	20-4-283 ¹	76-16-211 ^r	76-16-416 ^s	76-39-16 ^{mm}	Unfuzed
7	S	250-LB, AN-M57A1 (GP)	82-0-60	82-3-317	82-14-30	TNT ^{bb}	127 ^h	263.65	82-3-192	M106A1 ^{vw}		eg	82-3-129	M102A1	73-8-14	AN-M103A1 ^d	73-8-3 ^u	AN-M100A2	73-8-69 ^a	M14 ^b	AN-M1A2	20-4-283 ¹	76-16-211 ^r	76-16-416 ^s	76-39-16 ^{mm}	Unfuzed
8	S	250-LB, AN-M57A1 (GP)	82-0-60	82-3-317	82-14-30	Tritonal ^{aa}	136 ^h	272.35	82-3-192	M106A1 ^{vw}		g	82-3-129	M102A1	73-8-14	AN-M103A1 ^d	73-8-3 ^u	AN-M100A2	73-8-69 ^a	M14 ^b	AN-M1A2	20-4-283 ¹	76-16-211 ^r	76-16-416 ^s	76-39-16 ^{mm}	Unfuzed
9																										
10	S&M	250-LB, AN-M57A1 (GP)	82-0-162	82-3-317	82-14-30	Tritonal	136 ^h	290.5	82-3-740	M126		g	82-3-129	M102A1	73-8-14	AN-M103A1 ^{dd}	P-81143	M172 ^{cc}	73-8-69	M14 ^b	M14	76-16-505		76-1-1304	76-39-16 ^{mm}	Unfuzed
11																										
12																										
13																										
14																										
15																										
16																										
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue
M - Manufacture
GP - General Purpose
AN - Army - Navy

a - Primer Detonator, M14, DWG 73-8-68, 73-8-67, 73-8-70; Can, Packing, DWG 76-7-648. (May be used in tail Fuze, AN-M100A1 and AN-M100A2; Fuze equipped with .025 SEC delay).
b - Packing and Marking, DWG 20-4-272.
c - Bomb as shipped.
d - Nose Fuzes, VT M166 or VT M168 may be used.
e - Auxiliary Booster, M104, DWG 82-3-212 (2 required) one in nose and one in tail. Now used only in Amatol loaded bomb. Packing see DWG 76-16-201.
f - TNT substitute Filler.
g - Fuze Heat Liner, see DWG 82-3-182.
h - Inert seal used.
i - Fuzes M163, M164, M165, AN-M139A1 or AN-M140A1 may be used.
l - Alternative crate 250-LB, DWG 20-4-327.
m - Fin Lock Nut Protector 82-3-427.
n - For bomb marking see loading drawing listed under "Charge" column.

p - Band, Suspension, M1 see DWG 82-3-308 (For use on dive bombers only).
q - Tail Fuzes, M112A1 (73-8-112), M123A1 (73-8-169, -170), and M132 (73-8-199) are additional types for 100-LB GP Bomb.
r - Nose Fuze, AN-M103A1, for Container see DWG 76-1-262.
s - Tail Fuze, AN-M100A1 and AN-M100A2 for Container see DWG 76-1-222.
t - Tail Fuze, AN-M100A1 can be used.
u - Following Fuzes also may be used:
M112A1 with M16A1 Primer Detonator 8 to 15 SEC delay, or 4 to 5 SEC delay.
M123A1 with 1, 2, 6, 12, 24, 36, 72 or 144 hour delay.
AN-M100A1 (note a applies)
M132
M160
v - Fin Lock Nuts for Special Purposes. M1-100 and 250-LB GP.
w - Fin Assembly, M106 and M106A1 are Limited Standard.
x - Fin Assembly, M135 standard for high altitude and/or high speed bombing and dive bombing.
y - Uses Arming Wire, M1A1 or M1, DWG 82-3-234.
z - Fin Assembly, M102A1 or M102, DWG 82-3-189, Limited Standard.
aa - Some bombs loaded with TNT.
bb - Some bombs loaded with Amatol.
cc - Alternative:-Fuze, Bomb, Tail, M175.
dd - Alternative:-Fuze, Bomb, Nose, M163.

GENERAL PURPOSE BOMB-SMALL (500 to 4000-LB)

LINE NO.	STATUS	BOMB							FIN ASSEMBLY		ADAPTER-BOOSTERS				FUZES				PRIMER DETONATORS		ARMING WIRE ASSEMBLY DESIG-NATION	PACKING				
		TYPE	ASSEMBLY COMPLETE DWG NO.	DRAWING NO.	CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	NOSE		TAIL		NOSE		TAIL		DRAWING NO.	DESIG-NATION		FIN ASSEMBLY DRAWING NO.	FUZE		BOMB	
					DRAWING NO.	KIND	WT LB				DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION					NOSE DRAWING NO.	TAIL DRAWING NO.	PACKING AND MARKING	SHIPPED
1	S	500-LB, AN-M43 (GP) ^g	82-0-27	82-3-244	82-14-13	Amatol	260	508	82-3-246	M108		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
2	S	500-LB, AN-M64 (GP) ^g	82-0-74	82-3-357	82-14-37	TNT ^x	268	547	82-3-359	AN-M109A1 ^{ty}		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
3	S	500-LB, AN-M64A1 (GP) ^g	82-0-74	82-3-357	82-14-37	TNT ^x	264	547	82-3-359	AN-M109A1 ^{ty}		ed	82-3-356	M115A1 ^{ae}	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
4	S&M	500-LB, AN-M64A1 (GP) ^g	82-0-74	82-3-357	82-14-37	Tritonal ^q	283	559	82-3-359	AN-M109A1 ^{ty}		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
5	S&M	500-LB, AN-M64A1 (GP) ^g	82-0-160	82-3-357	82-14-37	Tritonal ^q	283	585	82-3-747	M128A1		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	M172	73-8-69	M14	M13	P-81357	76-16-211 ⁿ	76-1-1304	76-39-17	Unfuzed
6	S	1000-LB, AN-M44 (GP) ^h	82-0-28	82-3-248	82-14-14	Amatol	528	994	82-3-250	M112		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
7	S	1000-LB, AN-M65 (GP) ^h	82-0-75	82-3-361	82-14-38	TNT ^x	548	997	82-3-363	AN-M113A1 ^z		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
8	S	1000-LB, AN-M65A1 (GP) ^h	82-0-75	82-3-361	82-14-38	TNT ^x	555	1023	82-3-363	AN-M113A1 ^z		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
9	S&M	1000-LB, AN-M65A1 (GP) ^h	82-0-75	82-3-361	82-14-38	Tritonal ^q	595	1104	82-3-363	AN-M113A1 ^z		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
10	S&M	1000-LB, AN-M65A1 (GP) ^h	82-0-161	82-3-361	82-14-38	Tritonal ^q	595	1205	82-3-751	M129 ^t		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	T739	73-8-69	M14	M13	P-81360	76-16-211 ⁿ	76-1-1304	76-39-18	Unfuzed
11	S	2000-LB, AN-M34 (GP) ^k	82-0-16	82-3-198	82-14-11	Amatol ^{bb}	1059	2049	82-3-200	AN-M116A1 ^{aa}		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
12	S	2000-LB, AN-M66 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1096	2103	82-3-200	AN-M116A1 ^{aa}		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
13	S	2000-LB, AN-M66A1 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1096	2103	82-3-200	AN-M116A1 ^{aa}		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
14	S	2000-LB, AN-M66A2 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1097	2098	82-3-200	AN-M116A1 ^{aa}		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
15	S&M	2000-LB, AN-M66A2 (GP) ^k	82-0-76	82-3-365	82-14-39	Tritonal ^q	1181	2156	82-3-200	AN-M116A1 ^{aa}		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
16	S&M	2000-LB, AN-M66A2 (GP) ^k	82-0-193	82-3-365	82-14-39	Tritonal ^q	1181	2284	P-81106	M130 ^u		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	T740	73-8-69	M14	M16		76-16-211 ⁿ	76-1-1304	76-39-18	Unfuzed
17	S	4000-LB, M56 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3352	4340	82-3-305	M118A2 ^{cc}		be	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
18	S	4000-LB, M56A1 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3345	4368	82-3-305	M118A2 ^{cc}		be	82-3-129	M102A1 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
19	S	4000-LB, M56A2 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3345	4365	82-3-305	M118A2 ^{cc}		be	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
20	S&M	4000-LB, M56A2 (LC)	82-0-55	82-3-302	82-14-29	Tritonal ^q	3581	4605	82-3-305	M118A2 ^{cc}		be	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue
M - Manufacture
GP - General Purpose
LC - Light Case
AN - Army - Navy

a - For Arming Wire Assemblies, see DWG 82-3-234, Packing DWG 76-1-522.
b - Auxiliary Booster, M111, DWG 82-3-307.
c - Primer Detonator, M14, Non-Delay issued with Fuze for this bomb.
d - Auxiliary Booster, M104, DWG 82-3-212 (2 required) one in nose and one in tail. Now used only in Amatol loaded bombs. For Packing see DWG 76-16-201.
e - Fuze Seat Liner, See DWG 82-3-182.
f - For bomb marking see loading drawings listed under "CHARGE".
g - Band, Trunnion, AN-M41, See DWG 82-3-309 (for use on Dive Bombers only).
h - Band, Trunnion, AN-M2A1, See DWG 82-3-310 (for use on Dive Bombers only).
k - Band, Trunnion, AN-M7, See DWG 82-3-423 (for use on Dive Bombers only).
m - Tail Fuzes AN-M100A2 & M112A1 for containers, see DWG 76-1-222.
Tail Fuzes AN-M101A2 & M113A1 for containers, see DWG 76-1-224.
Tail Fuzes AN-M101A2 & M114A1 for containers, see DWG 76-1-225.
n - Nose Fuzes, AN-M103A1 for container, see DWG 76-1-262.
p - Fin Lock Nuts for Special Purpose.
M2 - 500 & 1000-LB GP
M3 - 2000-LB GP
q - TNT Substitute filler.
r - Fin Assembly, M123 (Modified M109A1) for use when externally mounted on high speed airplanes.
s - Fin Assembly, M124 (Modified M113A1) for use when externally mounted on high speed airplanes. Fuze, Bomb, Tail, M175, M176, M177 and Vane, Fuze, Bomb Tail, M4 and M5 Standard.
t - Fin Assembly, M129 Standard for high altitude and/or high speed bombing and dive bombing.
u - Fin Assembly, M130 Standard for high altitude and/or high speed bombing and dive bombing with Arming Wire Assembly, M16.

v - For other fuze combinations, see chart on opposite page.
x - Some bombs loaded with Amatol.
y - Can use Fin Assembly, M109 or M109A1.
z - Can use Fin Assembly, M113 or M113A1.
aa - Can use Fin Assembly, M116 or M116A1.
bb - Some bombs loaded with TNT.
cc - Can use Fin Assembly, M118 or M118A1.

FUZE COMBINATIONS 500 TO 4,000 LB GP BOMBS

LINE NO.	500-LB					1,000 - 2,000 LB					4,000 - LB				
	NOSE FUZES		TAIL FUZES			NOSE FUZES		TAIL FUZES			NOSE FUZES		TAIL FUZES		
	DESIGNATION	OTHER COMPONENTS	DESIGNATION	PRIMER - DETONATOR	OTHER COMPONENTS	DESIGNATION	OTHER COMPONENTS	DESIGNATION	PRIMER-DETONATOR	OTHER COMPONENTS	DESIGNATION	OTHER COMPONENTS	DESIGNATION	PRIMER-DETONATOR	OTHER COMPONENTS
1	M103 AN-M103A1 M139 AN-M139A1 M140 AN-M140A1 M163 M164 M165	None	M101A2 AN-M101A2 M101A2C M161 M172 ^{ah} M175 ^{ah} M178 ^{ah} M181 ^{ah}	M14, nondelay M14, 0.01-sec delay M14, 0.025-sec delay M14, 0.10-sec delay M14, 0.24-sec delay ¹	NONE	M103 AN-M103A1 M139 AN-M139A1 M140 AN-M140A1 M163 M164 M165	None	M102A1 AN-M102A1 AN-M102A2 M102A2C M162 T739 ^{am} M176 ^{ak} M179 ^{am} M182 ^{am}	M14, all delays ^{af}	None	M103 AN-M103A1 M139 AN-M139A1 M140 AN-M140A1 M163 M164 M165	None	M102A1 AN-M102A1 AN-M102A2 M102A2C AN-M102A2C M162	M14, nondelay	None
2	None	None	M113A1 M116	M16A1, 4-5 sec delay M16A1, 8-15 sec delay	None	None	None	M114A1 M117	M16A1, 4-5 sec delay. M16A1, 8-15 sec delay.	None					
3	None	None	M113	M16, 4-5 sec delay M16A1, 8-15 sec delay	None	None	None	M114	M16, 4-5 sec delay M16, 8-15 sec delay	None					
4	AN-M166 ^{aa} AN-M168 ^{aa}	ARMING, DELAY, air travel, M1 or M1A1	Use none or any combination of tail fuze and Primer-detonator in line 1, 2 or 3.			AN-M166 ^{aa} AN-M168 ^{aa}	ARMING, DELAY, air travel M1 or M1A1	Use none or any combination of tail fuze and primer-detonator in line 1, 2, 3.			AN-M166 ^{aa} AN-M168 ^{aa}	ARMING, DELAY, air travel, M1 or M1A1	Use none or any combination of tail fuze and primer-detonator in line 1.		
5	None	None	M124, all delays. M124A1, all delays. M133 AN-Mk 230 Mod 4, 5, 6 ^{ab}	M19 supplied with Fuzes.	None	None	None	M125 M125A1 M134 AN-Mk 230 Mod 4, 5, 6 ^{ab}	M19 supplied with fuzes.	None					
6	None	None	M151 ^{ac}	M16A1, 4-5 sec delay M16A1, 8-15 sec delay	PARACHUTE UNIT M6 ^{ac} (Req'd) ADAPTER M200 ^{ac} (Req'd)	Use any nose fuzes in line 1		M177 ^{an} M180 ^{ap} M183 ^{ap}							

aa - AN-M145 may be used as a substitute with ADAPTER - BOOSTER, M117.
ab - For use with AN-M64 series only.
ac - For use with antiricochet device M17.
ad - For antisubmarine use.
ae - For use only with AN-M65 and AN-M66 series of GP bombs.
af - The 0.24 - second delay is for antisubmarine use.
ag - Equipped with Vane, Fuze, Bomb Tail, M4 for dive bombing.
Equipped with Vane, Fuze, Bomb Tail, M5 for level bombing.
ah - Standard for 500-LB GP Bombs equipped with conical Fin Assemblies.
ak - Equipped with Vane, Fuze, Bomb Tail, M4 for dive bombing with 1000-LB GP Bombs.
Equipped with Vane, Fuze, Bomb Tail, M5 for level bombing with 1000-LB GP Bombs.
am - Standard for 1000-LB GP Bombs equipped with conical Fin Assemblies.
an - Equipped with Vane, Fuze, Bomb Tail, M5 for level bombing only. Used on 2000-LB GP Bombs.
ap - Standard for 2000-LB GP Bombs equipped with conical Fin Assemblies.

GENERAL PURPOSE BOMB-SMALL (500 to 4000-LB)

LINE NO.	STATUS	BOMB							FIN ASSEMBLY		ADAPTER-BOOSTERS				FUZES				PRIMER DETONATORS		ARMING WIRE ASSEMBLY DESIG-NATION	PACKING				
		TYPE	ASSEMBLY COMPLETE DWG NO.	DRAWING NO.	CHARGE			WT LOADED AND FUZED LB	DRAWING NO.	DESIG-NATION	NOSE		TAIL		NOSE		TAIL		DRAWING NO.	DESIG-NATION		FIN ASSEMBLY DRAWING NO.	FUZE		BOMB	
					DRAWING NO.	KIND	WT LB				DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION					NOSE DRAWING NO.	TAIL DRAWING NO.	PACKING AND MARKING	SHIPPED
1	S	500-LB, AN-M43 (GP) ^g	82-0-27	82-3-244	82-14-13	Amatol	260	508	82-3-246	M108		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
2	S	500-LB, AN-M64 (GP) ^g	82-0-74	82-3-357	82-14-37	TNT ^x	268	547	82-3-359	AN-M109A1 ^{ty}		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
3	S	500-LB, AN-M64A1 (GP) ^g	82-0-74	82-3-357	82-14-37	TNT ^x	264	547	82-3-359	AN-M109A1 ^{ty}		ed	82-3-356	M115A1 ^{ae}	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
4	S&M	500-LB, AN-M64A1 (GP) ^g	82-0-74	82-3-357	82-14-37	Tritonal ^q	283	559	82-3-359	AN-M109A1 ^{ty}		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-7	AN-M101A2	73-8-69	M14	AN-M7A1	20-4-286	76-16-211 ⁿ	76-16-416 ^m	76-39-17	Unfuzed
5	S&M	500-LB, AN-M64A1 (GP) ^g	82-0-160	82-3-357	82-14-37	Tritonal ^q	283	585	82-3-747	M128A1		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	M172	73-8-69	M14	M13	P-81357	76-16-211 ⁿ	76-1-1304	76-39-17	Unfuzed
6	S	1000-LB, AN-M44 (GP) ^h	82-0-28	82-3-248	82-14-14	Amatol	528	994	82-3-250	M112		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
7	S	1000-LB, AN-M65 (GP) ^h	82-0-75	82-3-361	82-14-38	TNT ^x	548	997	82-3-363	AN-M113A1 ^z		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
8	S	1000-LB, AN-M65A1 (GP) ^h	82-0-75	82-3-361	82-14-38	TNT ^x	555	1023	82-3-363	AN-M113A1 ^z		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
9	S&M	1000-LB, AN-M65A1 (GP) ^h	82-0-75	82-3-361	82-14-38	Tritonal ^q	595	1104	82-3-363	AN-M113A1 ^z		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M7A1	20-4-288	76-16-211 ⁿ	76-16-416 ^m	76-39-18	Unfuzed
10	S&M	1000-LB, AN-M65A1 (GP) ^h	82-0-161	82-3-361	82-14-38	Tritonal ^q	595	1205	82-3-751	M129 ^t		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	T739	73-8-69	M14	M13	P-81360	76-16-211 ⁿ	76-1-1304	76-39-18	Unfuzed
11	S	2000-LB, AN-M34 (GP) ^k	82-0-16	82-3-198	82-14-11	Amatol ^{bb}	1059	2049	82-3-200	AN-M116A1 ^{cc}		ed	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
12	S	2000-LB, AN-M66 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1096	2103	82-3-200	AN-M116A1 ^{cc}		ed	82-3-356	M115 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
13	S	2000-LB, AN-M66A1 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1096	2103	82-3-200	AN-M116A1 ^{cc}		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
14	S	2000-LB, AN-M66A2 (GP) ^k	82-0-76	82-3-365	82-14-39	TNT ^x	1097	2098	82-3-200	AN-M116A1 ^{cc}		ed	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
15	S&M	2000-LB, AN-M66A2 (GP) ^k	82-0-76	82-3-365	82-14-39	Tritonal ^q	1181	2156	82-3-200	AN-M116A1 ^{cc}		e	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-8	AN-M102A2	73-8-69	M14	AN-M8A1	20-4-291	76-16-211 ⁿ	76-16-416 ^m	76-39-7	Unfuzed
16	S&M	2000-LB, AN-M66A2 (GP) ^k	82-0-193	82-3-365	82-14-39	Tritonal ^q	1181	2284	P-81106	M130 ^u		e	82-3-356	M115A1	73-8-14	AN-M103A1	P-81143	T740	73-8-69	M14	M16		76-16-211 ⁿ	76-1-1304	76-39-18	Unfuzed
17	S	4000-LB, M56 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3352	4340	82-3-305	M118A2 ^{cc}		be	82-3-129	M102 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
18	S	4000-LB, M56A1 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3345	4368	82-3-305	M118A2 ^{cc}		be	82-3-129	M102A1 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
19	S	4000-LB, M56A2 (LC)	82-0-55	82-3-302	82-14-29	TNT ^x	3345	4365	82-3-305	M118A2 ^{cc}		be	82-3-356	M115A1 ^d	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
20	S&M	4000-LB, M56A2 (LC)	82-0-55	82-3-302	82-14-29	Tritonal ^q	3581	4605	82-3-305	M118A2 ^{cc}		be	82-3-356	M115A1	73-8-14	AN-M103A1	73-8-72	AN-M102A2	73-8-70 ^c	M14	M10	20-4-280	76-16-211 ⁿ	76-16-416 ^m	76-39-10	Unfuzed
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue
M - Manufacture
GP - General Purpose
LC - Light Case
AN - Army - Navy

a - For Arming Wire Assemblies, see DWG 82-3-234, Packing DWG 76-1-522.
b - Auxiliary Booster, M111, DWG 82-3-307.
c - Primer Detonator, M14, Non-Delay issued with Fuze for this bomb.
d - Auxiliary Booster, M104, DWG 82-3-212 (2 required) one in nose and one in tail. Now used only in Amatol loaded bombs. For Packing see DWG 76-16-201.
e - Fuze Seat Liner, See DWG 82-3-182.
f - For bomb marking see loading drawings listed under "CHARGE".
g - Band, Trunnion, AN-M41, See DWG 82-3-309 (for use on Dive Bombers only).
h - Band, Trunnion, AN-M2A1, See DWG 82-3-310 (for use on Dive Bombers only).
k - Band, Trunnion, AN-M7, See DWG 82-3-423 (for use on Dive Bombers only).
m - Tail Fuzes AN-M100A2 & M112A1 for containers, see DWG 76-1-222.
Tail Fuzes AN-M101A2 & M113A1 for containers, see DWG 76-1-224.
Tail Fuzes AN-M101A2 & M114A1 for containers, see DWG 76-1-225.
n - Nose Fuzes, AN-M103A1 for container, see DWG 76-1-262.
p - Fin Lock Nuts for Special Purpose.
M2 - 500 & 1000-LB GP
M3 - 2000-LB GP
q - TNT Substitute filler.
r - Fin Assembly, M123 (Modified M109A1) for use when externally mounted on high speed airplanes.
s - Fin Assembly, M124 (Modified M113A1) for use when externally mounted on high speed airplanes. Fuze, Bomb, Tail, M175, M176, M177 and Vane, Fuze, Bomb Tail, M4 and M5 Standard.
t - Fin Assembly, M129 Standard for high altitude and/or high speed bombing and dive bombing.
u - Fin Assembly, M130 Standard for high altitude and/or high speed bombing and dive bombing with Arming Wire Assembly, M16.

v - For other fuze combinations, see chart on opposite page.
x - Some bombs loaded with Amatol.
y - Can use Fin Assembly, M109 or M109A1.
z - Can use Fin Assembly, M113 or M113A1.
aa - Can use Fin Assembly, M116 or M116A1.
bb - Some bombs loaded with TNT.
cc - Can use Fin Assembly, M118 or M118A1.

GENERAL PURPOSE BOMBS - LARGE (Over 4,000 LB)

LINE NO:	STATUS	BOMB							FIN ASSEMBLY		ADAPTER-BOOSTERS				FUZZER				PRIMER DETONATORS		ARMING ASSEMBLY DESIG-NATION	PACKING				
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	CHARGE			WT LOADED AND FUZZED LB	DRAWING NO.	DESIG-NATION	NOSE		TAIL		NOSE		TAIL		DRAWING NO.	DESIG-NATION		FIN ASSEMBLY DWG NO.	FUZE		BOMB	
					DRAWING NO.	KIND	WT LB				DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION					NOSE DRAWING NO.	TAIL DRAWING NO.	PALLET DRAWING NO.	SHIPPED
1	S	12,000-LB, M109 (GP)	82-0-149	82-3-640	82-14-69	Tritonal	5500	12622	82-3-647			82-3-693	M118 ^b			P-74487	M169 ^c	73-8-465	M40 ^a					MODIFY ^e F-279	Unfuzed	
2	S	12,000-LB, M112 (GP) ^f		TAM 279 ^d						VB-13																
3																										
4																										
5																										
6																										
7	S	22,000-LB, M110 (GP)	82-0-150	82-3-665	82-14-70	Tritonal	9960	23137	82-3-672			82-3-693	M118 ^b			P-74487	M169 ^c	73-8-465	M40 ^a					PVA-4422 ^d Sheet #2	Unfuzed	
8																										
9																										
10																										
11																										
12																										
13																										
14																										
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

S - Issue

M - Manufacture

a - Primer Detomator M40 having the following delays may be used.
Non-Delay
.025 SEC Delay
.04 SEC Delay
.05 SEC Delay
.14 SEC Delay
.5 SEC Delay
1.0 SEC Delay
3.0 SEC Delay
11.0 SEC Delay
25 to 30 SEC Delay

b - 3 Adapter-Boostern M118 and 3 Auxiliary Boosters required.

c - 3 required

d - Manufacturer's drawing (AOG)

e - Navy drawing

f - 12,000-LB, M109 Modified to use tail VB-13 and designated-M112.

ARMOR PIERCING & SEMI-ARMOR PIERCING BOMBS

LINE NO.	STATUS	BOMB							FIN ASSEMBLY		ADAPTER-BOOSTERS		FUZES				PRIMER DETONATORS		ARMING WIRE ASSEMBLY DESIGNATION	PACKING					
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	CHARGE			WEIGHT LOADED AND FUZED LB	DRAWING NO.	DESIGNATION	TAIL		NOSE		TAIL		DRAWING NO.	DESIGNATION		FIN ASSEMBLY DRAWING NO.	FUZE		BOMBS		
					DRAWING NO.	KIND	WEIGHT LB				DRAWING NO.	DESIGNATION	DRAWING NO.	DESIGNATION	DRAWING NO.	DESIGNATION					NOSE DRAWING NO.	TAIL DRAWING NO.	PACKING AND MARKING	SHIPPED	
1	S	500-LB, AN-M58A1(SAP)	m	82-0-61	82-3-323	82-14-31	TNT a	139	510	82-3-327	AN-M110A1 t	82-3-129	M102 k		g	73-8-7	AN-M101A2 p	73-8-69 r	M14	AN-M6A2	20-4-287		76-16-416 l	76-39-20 cd	Unfuzed
2	S	500-LB, AN-M58A2(SAP)	m	82-0-61	82-3-323	82-14-31	TNT a	152 h	552	82-3-327	AN-M110A1 t	82-3-129	M102A1 k		g	73-8-7	AN-M101A2 p	73-8-69 r	M14	AN-M6A2	20-4-287		76-16-416 l	76-39-20 cd	Unfuzed
3	S&M	500-LB, AN-M58A2(SAP)	m	82-0-61	82-3-323	82-14-31	Picratol h	154 b	554	82-3-327	AN-M110A1 t	82-3-129	M102A1 k		g	73-8-7	AN-M101A2 p	73-8-69 r	M14	AN-M6A2	20-4-287		76-16-416 l	76-39-20 cd	Unfuzed
4																									
5	S	1000-LB, AN-M59(SAP)	n	82-0-62	82-3-329	82-14-32	TNT a	311	1006	82-3-332	AN-M114A1 u	82-3-129	M102 k		g	73-8-8	AN-M102A2 q	73-8-69 r	M14	AN-M6A2	20-4-290		76-16-416 l	76-39-19 cd	Unfuzed
6	S	1000-LB, AN-M59A1(SAP)	n	82-0-62	82-3-329	82-14-32	TNT a	315 b	1037	82-3-332	AN-M114A1 u	82-3-129	M102A1 k		g	73-8-8	AN-M102A2 q	73-8-69 r	M14	AN-M6A2	20-4-290		76-16-416 l	76-39-19 cd	Unfuzed
7	S&M	1000-LB, AN-M59A1(SAP)	n	82-0-62	82-3-329	82-14-32	Picratol h	320 b	1042	82-3-332	AN-M114A1 u	82-3-129	M102A1 k		g	73-8-8	AN-M102A2 q	73-8-69 r	M14	AN-M6A2	20-4-290		76-16-416 l	76-39-19 cd	Unfuzed
8																									
9	S	1000-LB, AN-MK 33(AP)		Navy 329,536	Navy 310,093	Navy 310,091	Expl. D h	140	1008	Navy 328,811	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382			Navy 328,384	Unfuzed
10	S&M	1000-LB, AN-Mk 33 Mod. 1(AP) a		Navy 329,536	Navy 329,971	Navy 301,091	Expl. D h	140	1008	Navy 328,811	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382			Navy 328,384	Unfuzed
11	S&M	1000-LB, AN-MK 33 Mod. 2 (AP) a		Navy 329,536	Navy 329,432	Navy 301,091	Expl. D h	140	1008	Navy 328,811	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382			Navy 328,384	Unfuzed
12	S&M	1000-LB, AN-MK 33 Mod. 3 (AP) a		Navy 329,536	Navy 375,075	Navy 301,091	Expl. D h	140	1008	Navy 328,811	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 328,382			Navy 328,384	Unfuzed
13																									
14	S	1600-LB, AN-MK 1 (AP)		Navy 329,431	Navy 328,870	Navy 328,867	Expl. D	209	1590	Navy 294,201	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211			Navy 328,869	Unfuzed
15	S&M	1600-LB, AN-MK 1 Mod. 1(AP) a		Navy 329,431	Navy 329,974	Navy 328,867	Expl. D	209	1590	Navy 294,201	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211			Navy 328,869	Unfuzed
16	S&M	1600-LB, AN-MK 1 Mod. 2(AP) a		Navy 329,431		Navy 328,867	Expl. D	209	1590	Navy 294,201	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211			Navy 328,869	Unfuzed
17	S&M	1600-LB, AN-MK 1 Mod. 3 (AP) a		Navy 329,431	Navy 329,901	Navy 328,867	Expl. D	209	1590	Navy 294,201	None		e			Navy 236,220	AN-MK228			AN-M6A2	Navy 300,211			Navy 328,869	Unfuzed
18																									
19	S&M	2000-LB, M103 (SAP)		82-0-133	82-3-581	82-14-61	Picratol	556	2039	82-3-356	M117A1	82-3-356	M115A1			73-8-8	AN-M102A2	73-8-69 r	M14	AN-M6A2	20-4-516		76-16-416 l	76-39-26 cd	Unfuzed
20																									
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	

S - Issue
M - Manufacture
AN - Army-Navy
AP - Armor Piercing
SAP - Semi-Armor Piercing
TNT - Trinitrotoluene

a - Similiar weight bombs are the same except for the mating threads of bomb body and base plug.
b - Uses inert seals.
c - Fin Lock Nut Protector, 82-3-427.
d - For Bomb Marking, see Loading Drawings listed under "CHARGE."
e - Uses Auxiliary Booster, DWG 327960 (Navy.)
f - For Arming Wire Assemblies, see DWG 82-3-234. Packing Box 76-1-1309.
g - Fuze Seat Liner, DWG 82-3-182; Nose Plug, DWG 82-3-326.
h - TNT substitute filler.
k - Auxiliary Booster, M104, DWG 82-3-212 (1-required) one in tail; for Packing, see DWG 76-16-201. Now used only in Amatol and Picratol loaded bombs.
l - Tail Fuze AN-M101A1 & AN-M101A2 Container DWG 76-1-224.
m - Band, Trunnion, AN-M4, DWG 82-3-338 (for use on Dive Bombers only.)
n - Band, Trunnion, AN-M5A1, DWG 82-3-339 (for use on Dive Bombers only.)
p - Tail Fuze M113A1, DWG 78-8-114 may be used. Uses Primer Detonator M16A1, DWG 73-8-83 and 73-8-84. Tail Fuzes, M124A1, M133 and M161 may also be used.
q - Tail Fuze M1141, DWG 73-8-116 may be used. Uses Primer Detonator M16A1, DWG 73-8-83 and 73-8-84. Tail Fuzes.
r - Primer Detonator, M14:--
 DWG 73-8-67, .1 SEC Delay
 DWG 73-8-68, .01 SEC Delay
 DWG 73-8-70, Non-Delay (May be used in Tail Fuzes AN-M101A1, AN-M101A2, AN-M102A1, and AN-M102A2; Fuzes equipped with .025 SEC Delay.)
s - Some bombs loaded with Amatol.
t - Can use Fin Assembly, M110.
u - Can use Fin Assembly, M114.

Issued 1 April 1954

Sheet No. 30

NAVY DEPTH BOMBS, AIRCRAFT MINES AND TORPEDOES

LINE NO.	STATUS	BOMB							AUXILIARY BOOSTERS				FUZES				PRIMER-DETONATORS				PACKING					
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	CHARGE			WEIGHT LOADED AND FUZED LB	NOSE		TAIL		NOSE		TAIL		NOSE		TAIL		BOMB		FUZE		PRIMER-DETONATORS	
					DRAWING NO.	KIND	WEIGHT LB		DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	BODY DRAWING NO.	FIN ASSEMBLY DWG NO.	NOSE DRAWING NO.	TAIL DRAWING NO.
1	S&M	DEPTH BOMB 350-LB, AN-MK 54 Mod. 1	Navy 438064		Navy 438072	EBX-1 ^c f	248	346	Navy 327960-1	MK 1	Navy 327960-1	MK 1	73-8-14	AN- M103A1		MK 230										
2																										
3																										
4																										
5	S&M	MINZ, AIRCRAFT, 1000-LB ^b AN-MK 26 Mod. 1	Navy 363050			TPX	526	1037					73-8-14 ^a	AN- M103A1							76-39-9 ^g					
6																										
7																										
8																										
9	S&M	TORPEDO, AIRCRAFT ^d AN-MK 13	Navy TG-9780			^e																				
10																										
11																										
12																										
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

- S - Issue
M - Manufacture
AN - Army-Navy
TNT - Trinitrotoluene
- a - When used as a bomb.
b - Earlier models are designated AN-MK 26 and AN-MK 13, Mod 1
c - May be loaded with EBX or TNT.
d - Models 6, 7, 9, 10, 11, 12, and 13.
e - EBX or EBX-1 loaded.
f - Some bombs loaded with Torpex.
g - Shipping Band drawing. May also use Navy DWG 309361.

PRACTICE, TARGET AND LEAFLET BOMBS

LINE NO.	STATUS	BOMB									FUZES				ARMING WIRE ASSEMBLY		PACKING				
		TYPE	ASSEMBLY COMPLETE DRAWING NO.	DRAWING NO.	SPOTTING CHARGE			INERT CHARGE		WEIGHT LOADED AND FUZZED LB	NOSE		TAIL		DRAWING NO.	DESIG-NATION	BOMB BODY DRAWING NO.	FUZE		ARMING WIRE ASSEMBLY	SHIPPED
					DRAWING NO.	TYPE	WEIGHT LB	KIND	WEIGHT LB		DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION				NOSE DRAWING NO.	TAIL DRAWING NO.		
1	S	PRAC, 23-LB, M71	82-0-91	82-3-253	None					21.1	None		None		82-3-267		20-4-386				
2	S&M	PRAC, 23-LB, M71A1	82-0-91	82-3-253	None					21.1	None		None		82-3-267		20-4-386				
3																					
4	S	PRAC, 23-LB, M73	82-0-91	82-3-253	None					21.	None		None		82-3-267		20-4-386				
5																					
6																					
7	S&M	PRAC, 100-LB, M38A2	82-0-23	82-3-213	82-3-228	M1A1 ^a	4.25	Sand	80	100.	None				82-3-234	AN-M6A2	76-16-391		76-16-214	76-1-1309	
8																					
9																					
10	S	TP, 100-LB, M75	82-0-97	82-3-409	82-14-45		72. ^c			101.2	73-8-44	M108 ^d	None		82-3-409		76-16-409	76-16-238			
11																					
12	S&M	TP, 100-LB, M75A1	82-0-97	82-3-409	82-14-45		72. ^c			101.2	73-8-44	M108 ^d	None		82-3-409		76-16-409	76-16-238			
13																					
14	S&M	Leaflet, 100-LB, M104	82-0-147	82-3-439 ^h						26.61 ^k	P-83875	M155A1 ^p			82-3-439		20-4-584	76-16-365			
15																					
16	S ⁿ	Leaflet, 500-LB, M105	82-0-148	82-3-446 ^m						73.12 ^k	P-83875	M155A1 ^p			82-3-234	AN-M6A2	20-4-588	76-16-365		76-1-1309	
17																					
18	S&M	Leaflet, 500-LB, M105A1	82-0-192	82-3-759						180.15	P-83875	M155A1 ^p			82-3-234	AN-M6A2	20-4-588	76-16-365		76-1-1309	
19																					
20																					
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

S - Issue
M - Manufacture
PRAC - Practice
TP - Target Practice

a - Spotting Charge, M3 and M4 also may be used. DWG 82-3-402 and 82-3-496 respectively.
b - Bomb is made of reinforced concrete.
c - Uses Red Iron-Oxide (Hematite).
d - Fuze uses Pressure Plate, DWG 82-3-410.
e - Parachute Unit M3, DWG 82-3-265.
f - Parachute Unit M4, DWG 82-3-400.
g - Uses Burster, AN-M4 DWG 82-3-281.
h - Adapter Cluster, M15A2.
k - Weight empty.
m - Adapter Cluster, M16A1.
n - Limited Standard.
p - Some M155 Fuzes on hand, DWG 73-8-336.
q - M73A1 PRAC bombs are not in stock.

S - Issue
M - Manufacture
BP - Black Powder
ELEC - Electric
GR - Grains
MT - Mechanical Time
PERC - Percussion
PROP P - Propellant Powder
VAR - Variable

a - Fuze, Bomb, Nose, Mechanical Time, M146A1 Standard. AN-M146 Fuze Limited Standard.
b - Fuze, Bomb, Nose, Mechanical Time, M155A1 Standard. M155 Fuze Limited Standard.
c - Alternative Parachute Assemblies DWG 78-2-255 or 78-2-345.
d - Uranine dye.
e - Limited Standard.
f - 2 Charges, 0.4 grams each.
g - 2 Charges, 6 grams each.
h - W/Fin Assembly, M125A1, 82-3-755 and Trail Plate Kit, M42A1, 82-3-765.
Trail Angle Kit, M43, 82-3-766.
k - W/Fin Assembly, M127, 82-3-743.
l - Inert Charge.
m - Bomb, Photoflash, M120, Substitute Standard.
n - Signal also has an ejecting charge of 11.5 grains of black powder and a rocket motor charge of 99 grams.
p - Fuze, Mine, Combination, M6A1.
r - Average intensity during burning time.
s - Flare, Aircraft Parachute, M26, Limited Standard.

SECTION 4 INCENDIARY BOMBS COMPLETE ROUND CHART

LINE NO.	STOCK NO.	COMPLETE ROUND NOMENCLATURE	SPEC. NO.	ASSEMBLY DRAWING NO. COMPLETE	ASSEMBLY WEIGHT COMPLETE FUZED (POUNDS)	BODY (METAL PARTS ASSEMBLY)				FILLING					FUZE (12)			ADAPTER BOOSTER DRAWING NO.	BURSTER (13)		IGNITER (14) TYPE AND DRAWING NO.	WING WIRE TYPE OR DRAWING NO.	PACKING				COLOR MARKING	STANDARDIZATION
						TYPE	SPEC. NO.	DRWG. NO.	AVERAGE WEIGHT EMPTY (POUNDS)	TYPE	MATERIAL SPEC. NO.	METHOD SPEC. NO.	WEIGHT (POUNDS)	VOID PERCENT (APPROX.)	TYPE	SPEC. NO.	DRAWING NO.		TYPE	DRAWING NO.			TYPE	DRAWING NO.	SHIPPING WEIGHT (POUNDS APPROX.)	DISPLACEMENT (CU. FT.)		
1	250326	BOMB, INCENDIARY, 100-POUND, (NP), AN-M47A2 [W/BURSTER, AN-M12].	196-131-272	C14-5-599	68.6(1)	STEEL (3)	196-131-259	C14-5-303	22.4	NP	196-131-161	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M12 (1)	B14-5-315	.....	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	SUBSTITUTE STANDAR
2	250327	BOMB, INCENDIARY, 100-POUND, (IM), AN-M47A2 [W/BURSTER, AN-M12].	196-131-272	C14-5-599	68.6(1)	STEEL (3)	196-131-259	C14-5-303	22.4	IM	196-131-102	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M12 (1)	B14-5-315	.....	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	SUBSTITUTE STANDAR
3	250328	BOMB, INCENDIARY, 100-POUND, (NP), AN-M47A2 [W/IGNITER, (WP), AN-M9].	196-131-272	C14-5-599	72.0(2)	STEEL (3)	196-131-259	C14-5-303	22.4	NP	196-131-161	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M13 (2)	B14-5-500	AN-M9 C14-5-218 (2)	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	STANDAR
4	250329	BOMB, INCENDIARY, 100-POUND, (NP), AN-M47A2 [W/IGNITER, (WP), AN-M9].	196-131-272	C14-5-599	72.0(2)	STEEL (3)	196-131-259	C14-5-303	22.4	IM	196-131-102	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M13 (2)	B14-5-500	AN-M9 C14-5-218 (2)	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	STANDAR
5	250330	BOMB, INCENDIARY, 100-POUND, (NP), AN-M47A2 [W/IGNITER, (No) AN-M9].	196-131-272	C14-5-599	71.6	STEEL (3)	196-131-259	C14-5-303	22.4	NP	196-131-161	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M13 (2)	B14-5-500	AN-M9 C14-5-218 (2)	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	STANDAR
6	250331	BOMB, INCENDIARY, 100-POUND, (IM), AN-M47A2 [W/IGNITER, (No) AN-M9].	196-131-272	C14-5-599	71.6	STEEL (3)	196-131-259	C14-5-303	22.4	IM	196-131-102	196-131-272	40.0	13-15	AN-M126A1	ORD AXS-996 L.A.&P.(9)	ORD 73-8-167	.....	AN-M13 (2)	B14-5-500	AN-M9 C14-5-218 (2)	C5 14-5-403	WOOD BOX	C14-17-83	108.0	2.90	PURPLE BANDS (8)	STANDAR
7	250371	BOMB, INCENDIARY, 500-POUND, (IM), AN-M76. (5)	SEE FILLING SPEC.	ORD 82-0-100	473.43	STEEL (7)	ORD AXS-1212	ORD 82-3-428	251.0	IM (TYPE 1)	196-131-102	196-131-224	115.0 (APPROX.)	10	NOSE AN-M103 or AN-M103A1 TAIL AN-M101A1 or AN-M101A2	ORD 50-17-12 L.A.&P.	ORD 73-8-14	ORD 82-14-478	AN-M14	ORD 82-3-422A	AN-M5 ORD 82-14-47C	ORD 82-3-234 HB.	SHIP-PING BANDS (4)	.....	453.0	5.5 (6)	PURPLE BANDS (8)	SUBSTITUTE STANDAR
8	250372	BOMB, INCENDIARY, 500-POUND, (PT1), AN-M76. (5)	SEE FILLING SPEC.	ORD 82-0-100	473.43	STEEL (7)	ORD AXS-1212	ORD 82-3-428	251.0	PT1	196-131-241	196-131-242	174.0 (APPROX.)	10	NOSE AN-M103 or AN-M103A1 TAIL AN-M101A1 or AN-M101A2	ORD 50-17-12 L.A.&P.	ORD 73-8-14	ORD 82-14-478	AN-M14	ORD 82-3-422A	AN-M5 ORD 82-14-47C	ORD 82-3-234 HB.	SHIP-PING BANDS (4)	.....	453.0	5.5 (6)	PURPLE BANDS (8)	STANDAR
9	220201	BOMB, SMOKE, GREEN STREAMER, M87.	196-131-310	C14-5-608	95.0	STEEL (15)	196-131-310	C14-5-620	15.8	GREEN SMOKE	SEE SPECIFICATIONS	196-131-310	5.7	.....	M143 (10)	196-131-324	B14-15-170	.....	.....	.....	.....	C5R1 14-5-634	WOOD BOX	C14-17-196	130.0	2.90	YELLOW BANDS (11)	STANDAR
10	220401	BOMB, SMOKE, RED STREAMER, M87.	196-131-310	C14-5-608	95.0	STEEL (15)	196-131-310	C14-5-620	15.8	RED SMOKE	SEE SPECIFICATIONS	196-131-310	5.7	.....	M143 (10)	196-131-334	B14-15-170	.....	.....	.....	.....	C5R1 14-5-634	WOOD BOX	C14-17-196	130.0	2.90	YELLOW BANDS (11)	STANDAR
11	220501	BOMB, SMOKE, VIOLET STREAMER, M87.	196-131-310	C14-5-608	95.0	STEEL (15)	196-131-310	C14-5-620	15.8	VIOLET SMOKE	SEE SPECIFICATIONS	196-131-310	5.7	.....	M143 (10)	196-131-334	B14-15-170	.....	.....	.....	.....	C5R1 14-5-634	WOOD BOX	C14-17-196	130.0	2.90	YELLOW BANDS (11)	STANDAR
12	220601	BOMB, SMOKE, YELLOW STREAMER, M87	196-131-310	C14-5-608	95.0	STEEL (15)	196-131-310	C14-5-620	15.8	YELLOW SMOKE	SEE SPECIFICATIONS	196-131-310	5.7	.....	M143 (10)	196-131-334	B14-15-170	.....	.....	.....	.....	C5R1 14-5-634	WOOD BOX	C14-17-196	130.0	2.90	YELLOW BANDS (11)	STANDAR
COLUMN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

- (1) ASSEMBLY WITH AN-M12 BURSTER—COMPLETE—DOES NOT REQUIRE IGNITER. WEIGHT: BURSTER AN-M12 W/METAL CASE—1.9 POUNDS. BURSTER AN-M12 W/PLASTIC CASE—1.4 POUNDS.
(2) ASSEMBLY WITH AN-M13 BURSTER—INCOMPLETE—REQUIRES IGNITER, AN-M9. WEIGHT: BURSTER, AN-M13—0.27 POUNDS. IGNITER, (WP), AN-M9—5.0 POUNDS. IGNITER, (No), AN-M9—4.4 POUNDS.

- (3) BODY DIMENSIONS—INCLUDING SPACER, SLEEVE, SHIPPING PLUG, AND TAIL—49 x 8 INCHES IN DIAMETER.
(4) SHIPPING BANDS—WEIGHT APPROXIMATELY 22 POUNDS (METAL).
(5) FOR DETAIL WEIGHTS OF FUZE, BURSTER, ETC., SEE ORDNANCE DRAWING NO. 82-0-100. HOWEVER, DRAWING DOES NOT SHOW DETAILS FOR (IM) FILLING.
(6) PACKING CONSISTS OF SHIPPING BANDS AND CLOSING PLUG—FUZE, BURSTER, TAIL FIN, ETC., ADDED AT POINT OF USE.

- (7) DIMENSIONS—4.5 x 17.2 INCHES IN DIAMETER (INCLUDING LUGS).
(8) MARKING—PURPLE BANDS AS DESIGNATED IN DRAWINGS AND SPECIFICATIONS.
(9) "L.A.&P." (LOADING, ASSEMBLING, AND PACKING).
(10) M143 FUZE CONSISTS OF FOUR M201 BOUCHON FUZES MOUNTED IN A SPIDER.
(11) MARKING—PURPLE BANDS AND COLOR DESIGNATIONS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS.

- (12) STANDARD NOMENCLATURE (FUZES)
(a) FUZE, BOMB, NOSE, AN-M103.
(b) FUZE, BOMB, NOSE, AN-M103A1.
(c) FUZE, BOMB, NOSE, AN-M126A1.
(d) FUZE, BOMB, TAIL, AN-M101A1.
(e) FUZE, BOMB, TAIL, AN-M101A2.
(f) FUZE, BOMB, IGNITER, M143.

- (13) STANDARD NOMENCLATURE (BURSTERS)
(a) BURSTER, AN-M12.
(b) BURSTER, AN-M13.
(14) STANDARD NOMENCLATURE (IGNITERS)
(a) IGNITER, AN-M9.
(b) IGNITER, AN-M9.
(15) PACKING DIMENSIONS

SECTION 5A
INCENDIARY BOMB CLUSTERS (QUICK OPENING)
COMPLETE ROUND CHART

LINE NO.	ASSEMBLY STOCK NO.	CLUSTERS						CLUSTER COMPONENTS										PACKING					
		COMPLETE ROUND NOMENCLATURE	ASSEMBLY WEIGHT (POUNDS)	SPECIFICATION NO.	BILL OF MATERIAL DRAWING NO.	ASSEMBLY DRAWING NO.	ASSEMBLY DIMENSIONS (INCHES)			ADAPTER (3)			BOMBS (4)				ARMING WIRE		TYPE (2)	PACKING DIAGRAM & BILL OF MATERIAL DRAWING NOS.	BRIEF PACKING DESCRIPTION	WEIGHT PACKED (POUNDS)	DIS. (C)
							LENGTH	WIDTH	HEIGHT	TYPE	SPECIFICATION NO.	ASSEMBLY DRAWING NO.	TYPE AND DESIGNATION	SPECIFICATION NO.	ASSEMBLY DRAWING NO.	BOMBS PER CLUSTER (1)	SPECIFICATION NO.	ASSEMBLY DRAWING OR COMPONENT STOCK NO.					
1	251103	CLUSTER, INCENDIARY BOMB, AN-M6 (100-LB; 34 AN-M50A2 AND AN-M50X-A3 Mg BOMBS).	143	196-131-137	B14-23-159	C14-23-160	4.3	8.0	8.75	M5	196-131-70	C14-23-54	Mg 4 LB. AN-M50A2	196-131-273	C14-5-107	28		B14-23-131	REGULAR	C14-23-161	LAMINATED PAPER & FIBER DRUM—WOOD HEADS	183	
													Mg 4 LB. AN-M50X-A3	196-131-273	C14-5-271	4 TYPE A 2 TYPE B			REGULAR	C14-23-162	WOOD BOX—SEPARATE METAL LINER		
																			REGULAR	C14-23-177	WOOD BOX—WITH MULTIWALL CELLOPHANE AND FIBER LINER		
																			REGULAR	C14-23-164	LAMINATED PAPER & FIBER DRUM—WOOD HEADS		
2	251112	CLUSTER, INCENDIARY BOMB, AN-M6 (100-LB; 34 AN-M50A2 AND AN-M50X-A3 Mg BOMBS).	143	196-131-137	B14-23-159	C14-23-160	4.3	8.0	8.75	M5	196-131-70	C14-23-54	Mg 4 LB. AN-M50A2	196-131-273	C14-5-107	28		B14-23-131	REGULAR	C14-23-163	STEEL DRUM	163	
													Mg 4 LB. AN-M50X-A3	196-131-273	C14-5-271	4 TYPE A 2 TYPE B							
3	251127	CLUSTER, INCENDIARY BOMB, M7 (500-LB; 128 AN-M50A2 AND AN-M50X-A3 Mg BOMBS).	527	196-131-138	E14-23-166	C14-23-167	4.3	13.75	17.3	M6	96-131-86	C14-23-74	Mg 4 LB. AN-M50A2	196-131-273	C14-5-107	102		B14-23-113	REGULAR	C14-23-168	WOOD BOX—WITH SEPARATE METAL LINER		
													Mg 4 LB. AN-M50X-A3	196-131-273	C14-5-271	20 TYPE A 6 TYPE B							
4	251203	CLUSTER, INCENDIARY BOMB, AN-M8 (100-LB; 34 AN-M54 AND AN-M54X-A1 TH BOMBS). (5)	143	196-131-72	B14-23-64	C14-23-65	4.3	8.0	8.75	M5	196-131-70	C14-23-54	TH 4 LB. AN-M54	196-131-47	C14-5-64	27		B14-23-131	REGULAR	C14-23-89	WOOD BOX WITH SEPARATE METAL LINER	193	
													TH 4 LB. AN-M54X-A1	196-131-139	C14-5-258	7			REGULAR	C14-23-88	LAMINATED PAPER AND FIBER DRUM—WOOD HEADS		
																			REGULAR	C14-23-96	LAMINATED PAPER AND FIBER DRUM—WOOD HEADS		
																			REGULAR	C14-23-175	WOOD BOX WITH MULTIWALL CELLOPHANE AND FIBER LINER		
5	251212	CLUSTER, INCENDIARY BOMB, AN-M8 (100-LB; 34 AN-M54 AND AN-M54X-A1 TH BOMBS). (5)	143	196-131-72	B14-23-64	C14-23-65	4.3	8.0	8.75	M5	196-131-70	C14-23-54	TH 4 LB. AN-M54	196-131-47	C14-5-64	27		B14-23-131	REGULAR	C14-23-90	STEEL DRUM	163	
													TH 4 LB. AN-M54X-A1	196-131-139	C14-5-258	7							
6	251227	CLUSTER, INCENDIARY BOMB, M9 (500-LB; 128 AN-M54 AND AN-M54X-A1 TH BOMBS). (5)	527	196-131-88	E14-23-81	C14-23-82	4.3	13.75	17.3	M6	96-131-86	C14-23-74	TH 4 LB. AN-M54	196-131-47	C14-5-64	102		B14-23-113	REGULAR	C14-23-87	WOOD BOX—WITH SEPARATE METAL LINER		
													TH 4 LB. AN-M54X-A1	196-131-139	C14-5-258	26							
7	251142	CLUSTER, INCENDIARY BOMB, M10 (100-LB; 51 AN-M52A1 AND AN-M52X-A1 Mg BOMBS). (6)	114	196-131-82	B14-23-84	C14-23-85	4.3	8.0	8.75	M5	196-131-70	C14-23-54	Mg 2 LB. AN-M52A1	196-131-81	C14-5-152	42		B14-23-131	REGULAR	C14-23-91	WOOD BOX—WITH SEPARATE METAL LINER	160	
													Mg 2 LB. AN-M52X-A1	196-131-140	C14-5-278	6 TYPE A 3 TYPE B			REGULAR	C14-23-176	WOOD BOX—WITH MULTIWALL CELLOPHANE AND FIBER LINER		
8	251157	CLUSTER, INCENDIARY BOMB, M11 (500-LB; 192 AN-M52A1 AND AN-M52X-A1 Mg BOMBS). (6)	424	196-131-134	E14-23-136	C14-23-127	4.3	13.75	17.3	M8	96-131-133	C14-23-155	Mg 2 LB. AN-M52A1	196-131-81	C14-5-152	153		B14-23-157	REGULAR	C14-23-138	WOOD BOX—WITH SEPARATE METAL LINER		
													Mg 2 LB. AN-M52X-A1	196-131-140	C14-5-278	30 TYPE A 9 TYPE B							
9	251312	CLUSTER, INCENDIARY BOMB, AN-M12 (100-LB; 14 AN-M69 OIL BOMBS).	98	196-131-131	B14-23-144	C14-23-145	3.9	8.6	10.0	M4	196-131-130	B14-23-123	OIL 6 LB. AN-M69	196-131-99	C14-5-182	14		B14-23-131	REGULAR	C14-23-204	STEEL DRUM		
10	251327	CLUSTER, INCENDIARY BOMB, AN-M13 (500-LB; 60 AN-M69 OIL BOMBS).	427	196-131-126	E14-23-109	C14-23-110	5.9	17.4	15.1	M7	96-131-100	C14-23-102	OIL 6 LB. AN-M69	196-131-99	C14-5-182	60		C14-23-113	REGULAR	C14-23-243	METAL BONDED PLYWOOD BOX (3/8")	525	
																			REGULAR	C14-23-348	STEEL BOX—(13-GAGE)		
COLUMN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	

(1) TYPE A BOMBS—SHORT DELAY.
TYPE B BOMBS—LONG DELAY.
(2) TYPE OF PACKING IS AS SPECIFIED IN INVITATION FOR BIDS.

(3) STANDARDIZED NOMENCLATURE (ADAPTER):
(a) ADAPTER, CLUSTER, M4.
(b) ADAPTER, CLUSTER, M5.
(c) ADAPTER, CLUSTER, M6.
(d) ADAPTER, CLUSTER, M7
(e) ADAPTER, CLUSTER, M8

(4) STANDARD NOMENCLATURE (BOMB):
(a) BOMB, INCENDIARY, 4-LB., AN-M50A2.
(b) BOMB, INCENDIARY, 4-LB., AN-M50X-A3.
(c) BOMB, INCENDIARY, 4-LB., AN-M54.
(d) BOMB, INCENDIARY, 4-LB., AN-M54X-A1.
(e) BOMB, INCENDIARY, MAGNESIUM, 2-LB., AN-M52.
(f) BOMB, INCENDIARY, MAGNESIUM, 2-LB., AN-M52X.

(5) OBSOLETE—PERMISSION HAS BEEN GIVEN TO USE THESE AS PRACTICE MUNITION
(6) NOT ISSUED.

SECTION 5B
INCENDIARY BOMB CLUSTERS (AIMABLE)
COMPLETE ROUND CHART

LINE NO.	ASSEMBLY STOCK NO.	CLUSTERS				CLUSTER— WITHOUT FUZE AND ARMING WIRE												FUZE					ARMING WIRE			
		COMPLETE ROUND NOMENCLATURE	ASSEMBLY				ADAPTER INCLUDING TAIL (10)			BOMBS (11)				ASSEMBLY DRAWING NO.	PACKING			COMPONENT STOCK OR DRAWING NO.	TYPE OR DESIGNATION	SPECIFICATION NO.	DRAWING NO.	COMPONENT STOCK OR DRAWING NO.	PACKING DIAGRAM	TYPE OR DESIGNATION	SPECIFICATION NO.	COMPONENT STOCK OR DRAWING NO.
			NET WEIGHT (POUNDS)	SPECIFICATION NO.	DRAWING NO.	DIMENSIONS (INCHES)	DESIGNATION	SPECIFICATION NO.	DRAWING NO.	TYPE AND DESIGNATION	SPECIFICATION NO.	ASSEMBLY DRAWING NO.	BOMBS PER CLUSTER		PACKING DIAGRAM DRAWING NO.	WEIGHT (POUNDS)	DISPLACEMENT (CU. FT.)									
1	251135	CLUSTER, AIMABLE, INCENDIARY BOMB, AN-M14 (AMERICAN) (110 AN-M50T-A2 AND AN-M50X-A3 M _g BOMBS).	463	196-131-260	C14-23-327	LENGTH: 60 x DIAM.: 14.25	M10A1 (7)	196-131-201	C14-23-210	AN-M50T-A2—4 LB. AN-M50X-A3—4 LB	196-131-273	C14-5-399	104 4 TYPE A(5) 2 TYPE B(6)	C14-23-453	C14-23-328(1) C14-23-406(2)	625 575	18.0 15.0	C14-23-453	M138 FORMERLY T39-E1	ORDNANCE	ORDNANCE	ORDNANCE	ORDNANCE	C1	196-131-299	B14-23-244
2	251134	CLUSTER, AIMABLE, INCENDIARY BOMB, AN-M14 (BRITISH) (110 AN-M50T-A2 AND AN-M50X-A3 M _g BOMBS).	463	196-131-260	C14-23-340	LENGTH: 63 x DIAM.: 14.25	M10A1 (7)	196-131-201	C14-23-210	AN-M50T-A2—4 LB. AN-M50X-A3—4 LB.	196-131-273	C14-5-399	104 4 TYPE A(5) 2 TYPE B(6)	C14-23-453	C14-23-328(1) C14-23-406(2)	625 575	18.0 15.0	C14-23-453	BRITISH #42-M14 ASSEMBLY	196-131-258	B14-15-80	B14-15-80	(8)	C3	196-131-301	B14-23-337
3	251132	CLUSTER, AIMABLE, INCENDIARY BOMB, AN-M17A1 (AMERICAN) (500-LB., 110 AN-M50A2 AND AN-M50X-A3 M _g BOMBS).	463	196-131-222	C14-23-250	LENGTH: 60 x DIAM.: 14.25	M10A1 (7)	196-131-201	C14-23-210	AN-M50A2—4 LB. AN-M50X-A3—4 LB.	196-131-273	C14-5-107	88 16 TYPE A(5) 6 TYPE B(6)	C14-23-452	C14-23-260(1) C14-23-346(2)	625 575	18.0 15.0	C14-23-452	M-138 FORMERLY T39-E1	ORDNANCE	ORDNANCE	ORDNANCE	ORDNANCE	C1	196-131-299	B14-23-244
4	251131	CLUSTER, AIMABLE, INCENDIARY BOMB, AN-M17A1 (BRITISH) (500-LB., 110 AN-M50A2 AND AN-M50X-A3 M _g BOMBS).	463	196-131-222	C14-23-323	LENGTH: 63 x DIAM.: 14.25	M10A1 (7)	196-131-201	C14-23-210	AN-M50A2—4 LB. AN-M50X-A3—4 LB.	196-131-273	C14-5-107	88 16 TYPE A(5) 6 TYPE B(6)	C14-23-452	C14-23-260(1) C14-23-346(2)	625 575	18.0 15.0	C14-23-452	BRITISH #42-M14 ASSEMBLY	196-131-258	B14-15-80	B14-15-80	(8)	C3	196-131-301	B14-23-337
5	251129	CLUSTER, AIMABLE, INCENDIARY BOMB, M17 (500-LB., 110 AN-M50A2 AND AN-M50X-A3 M _g BOMBS). (9)	463 (APPROX.)	196-131-222 (9)	C14-23-250 (9)	LENGTH: 63 x DIAM.: 14.25	M10 (9)	196-131-201 (9)	C14-23-210 (9)	AN-M50A2—4 LB. AN-M50X-A3—4 LB.	196-131-273	C14-5-107	88 16 TYPE A(5) 6 TYPE B(6)	C14-23-250 (9)	(1) C14-23-260(9)	625 (9)	18.0	.....	T39-E1	ORDNANCE	ORDNANCE	ORDNANCE	C14-23-260 (9)	C1	196-131-301	B14-23-244
COLUMN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

(1) WOOD OR PLYWOOD SHIPPING BOX.
(2) DRUM-TYPE CRATE.
(3) UNIT PACKING SHOWN ON DRAWING NO. B14-23-244.
(4) UNIT PACKING SHOWN ON DRAWING NO. B14-23-463.

(5) TYPE A—LONG DELAY.
(6) TYPE B—SHORT DELAY.
(7) ADAPTER WEIGHT—APPROXIMATELY 70 POUNDS.
(8) 1980-3 C. C. BRADLEY & SON, INC., SYRACUSE, N. Y.

(9) CLUSTER, AIMABLE, INCENDIARY BOMB, M17 (500-LB., 110 AN-M50A2 AND AN-M50X-A3 M_g BOMBS) NOW SUPERSEDED BY AN-M17A1—PACKING IS NOT IN ACCORDANCE WITH CHART SINCE ALL DRAWING NUMBERS ARE THE SAME AND REVISED FOR AN-M17A1.

(10) STANDARD NOMENCLATURE (ADAPTER, AIMABLE CLUSTER, M17).
(11) STANDARD NOMENCLATURE (BOMB, AIMABLE CLUSTER, M17).

PIROTECHNICS - BOMBS, FLAKES, SIGNALS & MISCELLANEOUS

LINE NO.	STATUS	PISTOL OR PROJECTOR	COMPLETE ROUND DRAWING NUMBER	NOMENCLATURE	DESIGNATION	ILLUMINANT WEIGHT LB	WEIGHT LOADED AND FUZZED LB	PROPELLANT		EXPELLING CHARGE			CASE DRAWING NUMBER	IGNITION			PARACHUTE DRAWING NUMBER	APPROX TIME OF BURNING	APPROX CANDLEPOWER	PACKING	
								KIND	WT GR	DRAWING NUMBER	KIND	WT GR		DRAWING NUMBER	TYPE	DELAY IN SEC				INNER PACK DWG NO.	OUTER PACK DWG NO.
1	S	e	None	78-0-35	Bomb, Photoflash	AN-M46	25.0	51.9		73-8-329	BP	70	78-2-281	73-8-328 ^a	MT	VAR		.20 SEC	500,000,000 ^r		76-1-325
2	S&M	None	78-0-133	Bomb, Photoflash	M120A1 ^{mb}	82.0	160			78-2-536	BP	1750	78-2-537	73-8-328 ^a	MT	VAR		.04 SEC	1,375,000,000 ^r		76-39-21
3	S&M	None	78-0-131	Bomb, Photoflash	M120A1 ^{km}	82.0	173			78-2-536	BP	1750	78-2-537	73-8-328 ^a	MT	VAR					76-39-21
4	S&M	None	78-0-135	Bomb, Photoflash	M122	75.0	107			82-3-758	Burster, M20	13,300	78-2-551	73-8-330	MT	VAR					76-1-1145
5	S&M	None	Navy 364663	Flare, Aircraft, Parachute	AN-MK 8 Mod 2	11.0	16						Navy 364664		PERC	120		3 MIN	500,000		Navy 364661
6	S&M	None	78-0-7	Flare, Aircraft, Parachute	M2A1	10.0	17.6						78-2-142	78-2-139	Friction		78-2-144	3 MIN	350,000	76-1-1142	76-16-212
7	S&M	AN-M8	78-0-11	Flare, Aircraft, Parachute	M9A1	1.2	2.11	BP	15	78-2-164	BP	30	78-2-164	74-2-27	PERC, MK 5		78-2-294	1 MIN	60,000	76-1-448	76-16-163
8	S&M	None	78-0-29	Flare, Aircraft, Parachute	M26A1 ^b	14.0	53			73-8-59	BP	100	78-2-241	78-2-247	Friction	VAR	78-2-242 ^c	3 MIN	800,000	76-16-256	20-4-271
9	S&M	None	78-0-93	Flare, Airport	M76	20.0	27.6						78-2-445	74-2-26	PERC New NO. 4			5 MIN	500,000	76-1-840	76-1-839
10	S&M	None	78-0-127	Flare, Igniting, 45 SEC	M113	1.15	1.5						78-0-128	82-5-146	ELEC, M1A1			45 SEC		76-1-1300	76-1-1301
11	S&M	None	78-0-127	Flare, Igniting, 90 SEC	M113	1.15	1.5						78-0-128	82-5-146	ELEC, M1A1			90 SEC		76-1-1300	76-1-1301
12	S&M	None	78-0-129	Flare, Igniting, 45 SEC	M114	.44	.75						78-0-130	82-5-146	ELEC, M1A1			45 SEC		76-1-1299	76-1-1302
13	S&M	None	78-0-44	Flare, Tow Target	M50	5.5	7.13						78-2-318	78-2-316	Friction			6 MIN	50,000	76-1-519	76-16-348
14	S&M	None	78-0-95	Flare, Towed, Red	M77	15.0	21.0						78-2-451	78-2-452	Friction			5 1/2 MIN	225,000	76-1-811	76-16-425
15	S&M	None	78-0-95	Flare, Towed, Amber	M78	15.0	21.0						78-2-451	78-2-452	Friction			5 1/2 MIN	70,000	76-1-811	76-16-425
16	S&M	None	78-0-95	Flare, Towed, Green	M79	15.0	21.0						78-2-451	78-2-452	Friction			5 1/2 MIN	90,000	76-1-811	76-16-425
17	S&M	None	78-0-45	Flare, Trip, Parachute	M48	.5	5.06	PROP P	75	78-2-320	BP	25	78-2-319	73-9-13	PERC ^p	3	78-2-324	20 SEC	110,000	76-16-346	76-16-347
18	S&M	None	78-0-43	Flare, Trip	M49	.7	1.41						78-2-311	74-2-61	PERC, M39A1			55 SEC	40,000		76-16-349
19	S&M	None	78-0-97	Firecracker	M80	.007	.0125						78-0-97							76-1-1334	76-1-1335
20	S&M	None	78-0-94	Fusee, Red, 20 Minute	M72	.6	.64						78-2-450	78-2-449	Friction			20 MIN		76-16-423	76-16-424
21	S&M	None	78-0-68	Marker, Slick	AN-M59	1.3 ^d	2.9						78-2-356						Dye, Slick	76-16-361	76-16-363
22	S&M	None	78-0-82	Signal, Distress, Two Star, Red	AN-M75	.03 ^g	.34			78-2-400	BP	12.3 ^f	78-2-399	74-2-40	PERC, M27	3		5 SEC	8,000 8,000	76-1-870	76-1-1255
23	S&M	None	P-83504	Signal, Distress, Red Star, Parachute	M131	.09	1.2	BP	23.1	P-83727	BP ⁿ	34.2	P-83506	74-2-66	PERC, M42		P-83513	30 SEC			
24	S&M	None	Navy 398760	Signal, Distress, Smoke Hand	AN-MK 1 Mod 1	.13	.38						Navy 398214	Navy 398330	Friction			18 SEC			
25	S&M	None	Navy 181709	Signal, Drift, Night	AN-MK 4	.33	2.0						Navy 181708		PERC	10		3 MIN	800		Navy 180729
26	S&M	None	Navy 344551	Signal, Drift, Night	AN-MK 5 Mod 3,4	1.0	4.0						Navy 344551		PERC	10		10 MIN	650		Navy 253248
27	S&M	AN-M8	78-0-96	Signal, Flash and Sound	M74	.08	.34	BP	21	78-2-456	Fuze		78-2-270	74-2-26	PERC, New NO. 4					76-1-1297	76-1-843
28	S&M	None	Navy 344698	Light, Float, Aircraft	AN-MK 6 Mod 2	4.0	15.0						Navy 344699			90		1 HR	650		
29	S&M		78-0-114	Cartridge, Photoflash, 1 SEC Delay	M112	.44	1.01	BP	35	78-2-540	Fuze		78-2-535	74-2-90	ELEC, M59	1 SEC			50,000,000	76-1-1330	76-1-1331
30	S&M		78-0-114	Cartridge, Photoflash, 2 SEC Delay	M112	.44	1.01	BP	35	78-2-540	Fuze		78-2-535	74-2-90	ELEC, M59	2 SEC			50,000,000	76-1-1330	76-1-1331
31	S&M		78-0-114	Cartridge, Photoflash, 4 SEC Delay	M112	.44	1.02	BP	35	78-2-540	Fuze		78-2-535	74-2-90	ELEC, M59	4 SEC			50,000,000	76-1-1330	76-1-1331
32	S&M		78-0-132	Cartridge, Photoflash, Practice	M121		1.01	BP	35				78-2-535	74-2-90	ELEC, M59					76-1-1383	76-1-1382
33	S&M		78-0-134	Cartridge, Photoflash, 2, 4&6 SEC Delay	M123	1.75	4.3	BP	44				78-2-548	74-2-90	ELEC, M59	2, 4, 6 SEC				76-1-1430	76-1-1431
34	S&M		78-0-137	Cartridge, Photoflash, Practice	M124	2.6 ^l	4.3	BP	44				78-2-548	74-2-90	ELEC, M59					76-1-1430	76-1-1431
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

PYROTECHNICS - SIGNALS, GROUND

LINE NO.	STATUS	LAUNCHER FIRING DEVICE	COMPLETE ROUND DWG NO.	NOMENCLATURE	DESIG- NATION	ILLUMINANT OR SMOKE		WT LOADED AND FUZED LB	IGNITION SYSTEM			EXPPELLING CHARGE			BODY DRAWING NO.	PARACHUTE DRAWING NO.	STABILIZER DRAWING NO.	APPROX TIME OF BURNING SEC	APPROX CANDLE POWER	PACKING		
						DRAWING NO.	WT LB		b CARTRIDGE DESIGNATION	PROPELLING CHG		DELAY SEC	DRAWING NO.	KIND						WT GR	INNER PACK DWG NO.	OUTER PACK DWG NO.
										KIND	WT GR											
1	S ^d	M7; M7A1 or M8	78-0-37	Signal,Ground,White Star,Parachute	M17A1	78-2-300	.16	1.04	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-308	78-2-353	78-2-310	25.	20,000	76-1-1143	76-16-232
2	S ^d	M7; M7A1 or M8	78-0-54	Signal,Ground,White Star,Parachute	M17A1B2	78-2-300	.16	1.04	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-331	78-2-353	78-2-310	25.	20,000	76-1-1144	76-16-354
3	S&M	M7; M7A1 or M8	78-0-38	Signal,Ground,White Star,Cluster	M18A1	78-2-301	.25	1.09	M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-308	None	78-2-310	7.	18,000 ^a	76-1-1143	76-16-232
4	S&M	M7; M7A1 or M8	78-0-55	Signal,Ground,White Star,Cluster	M18A1B2	78-2-301	.25		M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-331	None	78-2-310	7.	18,000 ^a	76-1-1144	76-16-354
5	S&M	M7; M7A1 or M8	78-0-37	Signal,Ground,Green Star,Parachute	M19A1	78-2-300	.16	1.02	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-308	78-2-353	78-2-310	25.	5,000	76-1-1143	76-16-232
6	S&M	M7; M7A1 or M8	78-0-54	Signal,Ground,Green Star,Parachute	M19A1B2	78-2-300	.16	1.02	M3 or M6	SMKLS P	15.	6.	78-2-302	Black P	16.	78-2-331	78-2-353	78-2-310	25.	5,000	76-1-1144	76-16-354
7	S ^d	M7; M7A1 or M8	78-0-38	Signal,Ground,Green Star,Cluster	M20A1	78-2-301	.25	1.09	M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-308	None	78-2-310	7.	7,000	76-1-1143	76-16-232
8	S ^d	M7; M7A1 or M8	78-0-55	Signal,Ground,Green Star,Cluster	M20A1B2	78-2-301	.25		M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-331	None	78-2-310	7.	7,000	76-1-1144	76-16-354
9	S ^d	M7; M7A1 or M8	78-0-37	Signal,Ground,Amber Star,Parachute	M21A1	78-2-300	.13	1.00	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-308	78-2-353	78-2-310	25.	4,000	76-1-1143	76-16-232
10	S ^d	M7; M7A1 or M8	78-0-54	Signal,Ground,Amber Star,Parachute	M21A1B2	78-2-300	.13	1.00	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-331	78-2-353	78-2-310	25.	4,000	76-1-1144	76-16-354
11	S ^d	M7; M7A1 or M8	78-0-38	Signal,Ground,Amber Star,Cluster	M22A1	78-2-301	.22	1.06	M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-308	None	78-2-310	7.	2,000 ^a	76-1-1143	76-16-232
12	S ^d	M7; M7A1 or M8	78-0-55	Signal,Ground,Amber Star,Cluster	M22A1B2	78-2-301	.22		M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-331	None	78-2-310	7.	2,000 ^a	76-1-1144	76-16-354
13	S ^d	M7; M7A1 or M8	78-0-37	Signal,Ground,Red Star,Parachute	M51A1	78-2-300	.13	1.02	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-308	78-2-353	78-2-310	25.	20,000	76-1-1143	76-16-232
14	S ^d	M7; M7A1 or M8	78-0-54	Signal,Ground,Red Star,Parachute	M51A1B2	78-2-301	.23	1.09	M3 or M6	SMKLS P	15.	6.	78-2-307	Black P	16.	78-2-331	78-2-353	78-2-310	25.	20,000	76-1-1144	76-16-354
15	S&M	M7; M7A1 or M8	78-0-38	Signal,Ground,Red Star,Cluster	M52A1	78-2-301	.23	1.09	M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-308	None	78-2-310	7.	35,000 ^a	76-1-1143	76-16-232
16	S&M	M7; M7A1 or M8	78-0-55	Signal,Ground,Red Star,Cluster	M52A1B2	78-2-301	.23		M3 or M6	SMKLS P	15.	6.	78-2-306	Black P	16.	78-2-331	None	78-2-310	7.	35,000 ^a	76-1-1144	76-16-354
17	S	M1A1	78-0-30	Signal,Ground,High Burst Ranging	M27	78-0-30	.14	.42	None ^c	SMKLS P	31.6	4.75		None		78-2-260	None	None	INST	Smoke	76-1-391	20-4-302
18	S&M	M7; M7A1 or M8	78-0-63	Signal,Ground,High Burst Ranging	M27A1B1	78-2-337	1.3	.75	M3 or M6	SMKLS P	9.	5.25		None		78-2-337	None	78-2-310	INST	Smoke	76-8-91	20-4-383
19	S ^d	M7; M7A1 or M8	78-0-106	Signal,Ground,Smoke,Red	M62	78-2-506	.22	.91	M3 or M6	SMKLS P	17.	6.	78-0-106	Black P	10.	78-2-308	None	78-2-310	6.	Smoke	76-1-1143	76-16-232
20	S ^d	M7; M7A1 or M8	78-0-106	Signal,Ground,Smoke,Yellow	M64	78-2-506	.22	.91	M3 or M6	SMKLS P	17.	6.	78-0-106	Black P	10.	78-2-308	None	78-2-310	6.	Smoke	76-1-1143	76-16-232
21	S ^d	M7; M7A1 or M8	78-0-106	Signal,Ground,Smoke,Green	M65	78-2-506	.22	.91	M3 or M6	SMKLS P	17.	6.	78-0-106	Black P	10.	78-2-308	None	78-2-310	6.	Smoke	76-1-1143	76-16-232
22	S ^d	M7; M7A1 or M8	78-0-106	Signal,Ground,Smoke, Violet	M66	78-2-506	.22	.91	M3 or M6	SMKLS P	17.	6.	78-0-106	Black P	10.	78-2-308	None	78-2-310	6.	Smoke	76-1-1143	76-16-232
23	S&M	None	P-85060	Signal,Ground,Green Star,Cluster	M125	P-85064	.16		None	PROP COMP	663.		P-85060	Black P	12.	P-85068	None	P-85070	8.	9,000 ^a	76-1-1514	76-16-513
24	S&M	None	P-85061	Signal,Ground,Red Star,Parachute	M126	P-85065	.14		None	PROP COMP	663.		P-85061	Black P	12.	P-85068	P-85066	P-85070	50.	5,000	76-1-1514	76-16-513
25	S&M	None	P-85061	Signal,Ground,White Star,Parachute	M127	P-85065	.22		None	PROP COMP	663.		P-85061	Black P	12.	P-85068	P-85066	P-85070	25.	50,000	76-1-1514	76-16-513
26	S&M	None	P-85062	Signal,Ground,Green Smoke,Parachute	M128	P-85069	.12		None	PROP COMP	663.		P-85062	Black P	12.	P-85068	P-85066	P-85070	35.	Smoke	76-1-1514	76-16-513
27	S&M	None	P-85062	Signal,Ground,Red Smoke,Parachute	M129	P-85069	.12		None	PROP COMP	663.		P-85062	Black P	12.	P-85068	P-85066	P-85070	35.	Smoke	76-1-1514	76-16-513
28	S&M	None	P-85063	Signal,Ground,Yellow Smoke,Streamer	M130	P-85273	.24		None	PROP COMP	663.			None		P-85059	None	P-85070		Smoke	76-1-1514	76-16-513
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

S - Issue
 M - Manufacture
 GR - Grains
 INST - Instantaneous
 P - Powder
 PROP COMP - Propellant Composition
 SMKLS P - Smokeless Powder

a - Candlepower for one star, Five stars per assembly.
 b - Cartridge, Rifle, Grenade, CAL 30, M3, DWG B-173949.
 Cartridge, Carbine, Grenade, CAL 30, M6, DWG B-18179.
 c - Ignition, Percussion Primer, New NO. 4, DWG 74-2-26.
 d - Limited Standard.

Issued 1 April 1954

Sheet No. 34

PYROTECHNICS - SIGNALS, AIRCRAFT & SIMULATORS

LINE NO.	STATUS	PISTOL OR PROJECTOR	COMPLETE ROUND DWG NO.	NOMENCLATURE	DESIG-NATION	ILLUMINANT WT LB	WT LOADED AND FUZZED LB	PROPELLANT			ILLUMINANT AND TRACER DWG NO.	CASE DWG NO.	PRIMER OR IGNITER			APPROX TIME OF BURNING SEC	APPROX CANDLE-POWER	PACKING	
								DWG NO.	KIND	WT GR			DWG NO.	TYPE	DESIG-NATION			INNER PACK DWG NO.	OUTER PACK DWG NO.
1	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star,Red-Red	AN-M37A1 ^a	.21	.35	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	25,000 25,000	76-1-427	76-16-298
2	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star,Yellow-Yellow	AN-M38A1 ^a	.21	.35	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	20,000 20,000	76-1-427	76-16-298
3	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star,Green-Green	AN-M39A1 ^a	.27	.43	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	20,000 20,000	76-1-427	76-16-298
4	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star,Red-Yellow	AN-M40A1 ^a	.21	.35	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	25,000 20,000	76-1-427	76-16-298
5	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star, Red-Green	AN-M41A1 ^a	.24	.39	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	25,000 20,000	76-1-427	76-16-298
6	S&M	AN-M8 or M9 ^b	78-0-33	Signal,Aircraft,Double Star,Green-Yellow	AN-M42A1 ^a	.24	.39	78-0-33	BLACK P	36.4	78-2-268	78-2-270	74-2-26	PERC	NEW NO. 4	10-10	20,000 20,000	76-1-427	76-16-298
7	S&M	AN-M8 or M9 ^b	78-0-34	Signal,Aircraft,Single Star,Red	AN-M43A1 ^a	.13	.27	78-0-34	BLACK P	36.4	78-2-269	78-2-270	74-2-26	PERC	NEW NO. 4	10	25,000	76-1-427	76-16-298
8	S&M	AN-M8 or M9 ^b	78-0-34	Signal,Aircraft,Single Star,Yellow	AN-M44A1 ^a	.12	.26	78-0-34	BLACK P	36.4	78-2-269	78-2-270	74-2-26	PERC	NEW NO. 4	10	25,000	76-1-427	76-16-298
9	S&M	AN-M8 or M9 ^b	78-0-34	Signal,Aircraft,Single Star,Green	AN-M45A1 ^a	.18	.32	78-0-34	BLACK P	36.4	78-2-269	78-2-270	74-2-26	PERC	NEW NO. 4	10	25,000	76-1-427	76-16-298
10	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,YT-RY	AN-M53A1 ^a	.09	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	YT-30,000 R-48,000 Y-36,000	76-1-570	76-16-364
11	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,GT-RR	AN-M54A1 ^a	.09	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	GT-25,000 R-48,000 R-48,000	76-1-570	76-16-364
12	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,GT-GR	AN-M55A1 ^a	.10	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	GT-25,000 G-20,000 R-48,000	76-1-570	76-16-364
13	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,RT-QG	AN-M56A1 ^a	.09	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	RT-30,000 G-20,000 G-20,000	76-1-570	76-16-364
14	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,RT-RR	AN-M57A1 ^a	.09	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	RT-30,000 R-48,000 R-48,000		
15	S&M	AN-M8 or M9 ^b	78-0-64	Signal,Aircraft,Tracer,Double Star,RT-GR	AN-M58A1 ^a	.09	.31	78-0-64	BLACK P	33.0	78-2-349	78-2-270	74-2-26	PERC	NEW NO. 4	3-3	RT-30,000 G-20,000 R-48,000	76-1-570	76-16-364
16	S&M		78-0-118	Simulator,Shell Burst,Ground	M115	.14	.30						78-0-117	Fuze Lighter ^c	M3				76-1-1283
17	S&M		78-0-119	Simulator,Hand Grenade	M116	.08	.20						78-0-117	Fuze Lighter ^c	M3				76-1-1284
18	S&M		78-0-120	Simulator,Booby Trap,Flash ^d	M117	.006	.14						78-0-121	Friction					76-1-1285
19	S&M		78-0-122	Simulator,Booby Trap,Illuminating ^d	M118	.01	.14						78-0-123	Friction		30			76-1-1285
20	S&M		78-0-124	Simulator,Booby Trap,Whistling ^d	M119	.008	.15						78-0-125	Friction		3.5			76-1-1286
21																			
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

S - Issue
 M - Manufacture
 APPROX - Approximate
 G - Green Illuminant
 GR - Grains
 P - Powder
 PERC - Percussion
 R - Red Illuminant
 SEC - Second
 T - Tracer
 Y - Yellow Illuminant

a - Some stocks of the AN-M37 thru AN-M45 Series, and the AN-M53 thru AN-M58 Series, are on hand, which are for issue only.
 b - Pistol,Pyrotechnic, AN-M8 or Projector, Pyrotechnic, Hand, M9.
 c - Packing Drawings for M3 Fuze Lighter: 76-1-1287 76-1-1288
 d - Instruction Sheet, DWG NO. 78-0-126.

Issued 1 April 1954

Sheet No. 35

PYROTECHNICS - TARGET IDENTIFICATION BOMBS

LINE NO.	STATUS	COMPLETE ROUND DRAWING NO.	NOMENCLATURE	DESIG- NATION	ILLUM- INANT WEIGHT LB	WEIGHT LOADED AND FITTED LB	LOADING ASSEMBLY		CANDLE ASSEMBLY			EXPPELLING CHARGE			CASE DRAWING NO.	FUZE			FIN ASSEMBLY		ARMING WIRES		PACKING		
							DRAWING NO.	NO. OF CANDLES	DRAWING NO.	DESIG- NATION	COLOR	DRAWING NO.	KIND	WEIGHT GR		DRAWING NO.	TYPE	DESIG- NATION	DRAWING NO.	DESIG- NATION	DRAWING NO.	DESIG- NATION	BOMB BODY DWG NO.	FIN ASSEMBLY DWG NO.	ARMING WIRE DWG NO.
1	S	78-0-83	Bomb,T1,Red,250-LB	M89	63.4	242	78-2-401	61	78-0-99	M103 (1)	Red	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
2	S	78-0-83	Bomb,T1,Green,250-LB	M89	71.8	261	78-2-401	61	78-0-99	M103 (2)	Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
3	S	78-0-83	Bomb,T1,Yellow,250-LB	M89	56.73	245	78-2-401	61	78-0-99	M103 (3)	Yellow	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
4	S	78-0-83	Bomb,T1,Red,250-LB	M90	59.28	246	78-2-401	57	78-0-99	M103 (1)	Red	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
5								2	78-0-99	M105 (4)	Red														
6								2	78-0-99	M105 (6)	Red														
7	S	78-0-83	Bomb,T1,Green,250-LB	M90	66.1	262	78-2-401	57	78-0-99	M103 (2)	Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
8								2	78-0-99	M105 (7)	Green														
9								2	78-0-99	M105 (9)	Green														
10	S	78-0-83	Bomb,T1,Yellow,250-LB	M90	53.0	247	78-2-401	57	78-0-99	M103 (3)	Yellow	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
11								2	78-0-99	M105 (10)	Yellow														
12								2	78-0-99	M105 (12)	Yellow														
13	S&M	78-0-83	Bomb,T1,Red,250-LB	M91	16.6	241	78-2-401	16	78-0-99	M103 (1)	Red	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
14								15	78-0-110	M104 (13)	Red														
15								15	78-0-110	M104 (14)	Red														
16									78-0-110	M104 (15)	Red														
17	S&M	78-0-83	Bomb,T1,Green,250-LB	M91	18.8	248	78-2-401	16	78-0-99	M103 (2)	Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
18								15	78-0-110	M104 (16)	Green														
19								15	78-0-110	M104 (17)	Green														
20								15	78-0-110	M104 (18)	Green														
21	S&M	78-0-83	Bomb,T1,Yellow,250-LB	M91	13.9	242	78-2-401	16	78-0-99	M103 (3)	Yellow	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
22								15	78-0-110	M104 (19)	Yellow														
23								15	78-0-110	M104 (20)	Yellow														
24								15	78-0-110	M104 (21)	Yellow														
25	S	78-0-83	Bomb,T1,Red,250-LB	M98	32.2	256	78-2-401	31	78-0-99	M103 (1)	Red	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
26								10	78-0-99	M105 (4)	Red														
27								10	78-0-99	M105 (5)	Red														
28								10	78-0-99	M105 (6)	Red														
29	S	78-0-83	Bomb,T1,Green,250-LB	M98	35.9	265	78-2-401	31	78-0-99	M103 (2)	Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
30								10	78-0-99	M105 (7)	Green														
31								10	78-0-99	M105 (8)	Green														
32								10	78-0-99	M105 (9)	Green														
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

PYROTECHNICS - TARGET IDENTIFICATION BOMBS

LINE NO.	STATUS	COMPLETE ROUND DRAWING NO.	NOMENCLATURE	DESIG-NATION	ILLUM-INANT WEIGHT LB	WEIGHT LOADED AND FUZED LB	LOADING ASSEMBLY		CANDLE ASSEMBLY			EXPELLING CHARGE			CASE DRAWING NO.	FUZE			FIR ASSEMBLY		ARMING WIRES		PACKING		
							DRAWING NO.	NO. OF CANDLES	DRAWING NO.	DESIG-NATION	COLOR	DRAWING NO.	KIND	WEIGHT GR		DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	DESIG-NATION	DRAWING NO.	DESIG-NATION	BOMB BODY DWG NO.	FIN ASSEMBLY DWG NO.	ARMING WIRE DWG NO.
1	S	78-0-83	Bomb,T1,Yellow,250-LB	M98	28.8	255	78-2-401	31	78-0-99	M103 (3)	Yellow	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
2								10	78-0-99	M105 (10)	Yellow														
3								10	78-0-99	M105 (11)	Yellow														
4								10	78-0-99	M105 (12)	Yellow														
5	S&M	78-0-83	Bomb,T1,Red-Green,250-LB	M100	70.1	265	78-2-401	61	78-0-111	M107 (22)	Red-Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
6	S&M	78-0-83	Bomb,T1,Yellow-Green,250-LB	M100	66.1	265	78-2-401	61	78-0-111	M107 (23)	Yellow-Green	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
7	S&M	78-0-83	Bomb,T1,Red-Yellow,250-LB	M100	58.9	258	78-2-401	61	78-0-111	M107 (24)	Red-Yellow	78-2-403	BP	1750	78-2-384	73-8-328	MT	M146A1 ^b	78-2-388	M107A1	82-3-234	AN-M6A2	76-39-16	20-4-485	76-1-1309
8																									
9	S ^a	82-0-121	Bomb,T1,Smoke,Red,100-LB	M84A1	72.0	103	82-14-53 ^a					73-8-331	Tetryl	7.6	82-3-409	73-8-330	MT	M147A1 ^c	82-3-410		82-3-234	M3	20-4-504		
10																									
11																									
12																									
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

S - Issue
 M - Manufacture
 BP - Black Powder
 GR - Grains
 MT - Mechanical Time
 T1 - Target Identification

a - Loaded with 72-LB Red-Iron Oxide (Hematite).
 b - Fuze, Bomb, Nose MT, AN-M144, DWG 72-8-332 or Fuze, Bomb, Nose, MT, M155A1, Standard.Fuze, MT, M155 and AN-M146, Limited Standard.
 c - Fuze, MT, M147A1 Standard. Fuze, MT, AN-M147, Limited Standard.
 d - M84A1 no longer in stock. M84 on hand.

LOADING ASSEMBLY FOR T1 BOMBS				
TYPE	CANDLES	BURNING TIME MINUTES	CANDLEPOWER	DELAY TIME MINUTES
M103(1)	Candle,Non Delay,Red	3.	25,000	
M103(2)	Candle,Non Delay,Green	3.	5,000	
M103(3)	Candle,Non Delay,Yellow	3.	12,000	
M105(4)	Candle,Exploding,Red	1.	25,000	
M105(5)	Candle,Exploding,Red	1 1/2	25,000	
M105(6)	Candle,Exploding,Red	2	25,000	
M105(7)	Candle,Exploding,Green	1	5,000	
M105(8)	Candle,Exploding,Green	1 1/2	5,000	
M105(9)	Candle,Exploding,Green	2	5,000	
M105(10)	Candle,Exploding,Yellow	1	12,000	
M105(11)	Candle,Exploding,Yellow	1 1/2	12,000	
M105(12)	Candle,Exploding,Yellow	2	12,000	
M105(13)	Candle,Delay,Red	1 1/2	20,000	2 3/4

LOADING ASSEMBLY FOR T1 BOMBS				
TYPE	CANDLES	BURNING TIME MINUTES	CANDLEPOWER	DELAY TIME MINUTES
M104(14)	Candle,Delay,Red	1 1/2	20,000	4
M104(15)	Candle,Delay,Red	1 1/2	20,000	5 1/4
M104(16)	Candle,Delay,Green	1 1/2	5,000	2 3/4
M104(17)	Candle,Delay,Green	1 1/2	5,000	4
M104(18)	Candle,Delay,Green	1 1/2	5,000	5 1/4
M104(19)	Candle,Delay,Yellow	1 1/2	12,000	2 3/4
M104(20)	Candle,Delay,Yellow	1 1/2	12,000	4
M104(21)	Candle,Delay,Yellow	1 1/2	12,000	5 1/4
M107(22)	Candle,Combination,Red-Green	3	Red-25,000 Green-5,000	
M107(23)	Candle,Combination,Yellow-Green	3	Yellow-12,000 Green- 5,000	
M107(24)	Candle,Combination,Red-Yellow	3	Red-25,000 Yellow-12,000	

GRENADES - HAND AND RIFLE

LINE NO.	STATUS	NOMENCLATURE	DESIGNATION	COMPLETE ASSEMBLY DWG NO.	METAL PARTS DWG NO.	WEIGHT LOADED AND FUZZED OZ	CHARGE			FUZE, FUZE AND STABILIZER ASSY, AND BURSTER		PACKING					REMARKS
							DWG NO.	KIND	WT OZ			FUZE DWG NO.	GRENADE				
										DWG NO.	DESIGNATION		INNER PACK DWG NO.	OUTER PACK DWG NO.	PACKING & MARKING DWG NO.	SHIPPED	
1																	
2	S ^m	Grenade,Hand,Fragmentation	Mk 2	82-0-143	82-1-15	22.4	82-0-143	TNT	1.75	82-1-87	M204A1	76-1-1348	76-1-1154	76-1-1266	20-4-613	Fuzed	
3	S&M	Grenade,Hand,Fragmentation	M26	82-0-190	82-1-107	15.2	82-1-106	COMP B	5.5 ^a	82-1-87	M204A1	76-1-1348	76-1-1464	76-1-1465	20-4-613	Fuzed	
4																	
5	S	Grenade,Hand,Offensive	Mk 3A1	82-0-70	82-1-22	14.3	75-14-346	TNT	6.99	82-1-87	M206A1	76-16-563	76-16-562	76-16-564	20-4-613	Unfuzed	20 Grenades and 20 Fuzes packed in box. Wrench needed.
6	S&M	Grenade,Hand,Offensive	Mk 3A2	82-0-86	82-1-80	13.6	75-14-389	TNT	6.83	82-1-87	M206A1	76-16-563	76-16-562	76-16-564	20-4-613	Unfuzed	20 Grenades and 20 Fuzes packed in box. Wrench needed.
7																	
8	S&M	Grenade,Hand,Training	Mk 1A1		82-1-7	21.0								76-16-248	20-4-613	Complete	
9																	
10	S	Grenade,Hand,Practice	M21	82-0-1	82-1-92	20.5	82-1-48	BP	.09	82-1-46	M10A3	76-1-1348	76-1-1154	76-1-1266	20-4-613	Fuzed	
11	S ^m	Grenade,Hand,Practice	M21	82-0-144	82-1-92	20.5	82-1-48	BP	.09	82-1-87	M205A1	76-1-1348	76-1-1154	76-1-1266	20-4-613	Fuzed	
12	S&M	Grenade,Hand,Practice	M30	82-0-191	82-1-110	14.8	82-1-48	BP	.09	82-1-87	M205A1	76-1-1348	76-1-1464	76-1-1465	20-4-613	Fuzed	
13	S ^m	Grenade,Hand,Practice	Mk 2	82-0-1	82-1-15	20.5	82-1-48	BP	.09	82-1-46	M10A3 ^h	76-1-1348	76-1-1154	76-1-1266	20-4-613	Fuzed	
14	S ^m	Grenade,Hand,Practice	Mk 2A1	82-0-1	82-1-15	20.5	82-1-48	BP	.09	82-1-46	M10A3	76-1-1348	76-1-1154	76-1-1266	20-4-613	Fuzed	
15																	
16																	
17	S ^k	Grenade,Rifle,HEAT	M31	82-0-195	82-2-52	24.96	82-2-50	COMP B	9.92	82-2-54	M211		76-1-1551	76-1-1552	20-4-613	Fuzed	2 Cartridges,CAL-30,M3,packed with each Grenade in Metal Container.
18	S&M	Grenade,Rifle,AT,Practice	M11A3 ⁿ	82-0-73	82-1-79	20.4		Empty		82-1-79				76-1-1378	20-4-613	Complete	Cartridges issued separately.
19																	
20																	
21	S&M	Grenade,Rifle,Smoke,Colored ^d	M22A2	82-0-117	82-2-44	20.2	75-14-448	Colored ^d	6.4	82-2-41			76-1-1349	76-1-1350	20-4-613	Fuzed	bc
22	S&M	Grenade,Rifle,Smoke,Colored,Streamer ^d	M23A1	82-0-139	82-2-44	17.7	75-14-526	Colored ^d	6.4	82-2-47			76-1-1351	76-1-1352	20-4-613	Fuzed	bc
23	S&M	Grenade,Rifle,Illuminating	M27	82-0-204	82-1-111	24.	82-1-112	ILLUM COMP	8.	82-2-241		76-1-1401	76-1-1402	76-1-1400	20-4-613	Fuzed	bc Candlepower 80,000; Burning time 55 SEC.
24																	
25	S&M	Adapter,Grenade,Projection	M1A2 ^e		82-1-81					82-1-77			76-1-1030	76-1-511	20-4-369	Complete	bc
26	S&M	Adapter,Grenade,Projection,Chemical	M2A1 ^p	82-1-84	82-1-85					82-1-85			76-1-1336	76-1-1337		Complete	bc
27	S&M	Suspension Device,Tree,for Smoke Grenades	M18 ^f	82-1-103										76-1-990	20-4-563	Complete	bc Adapter,Grenade,Projection,Chemical,M2A1,packed in box.
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

S - Issue
M - Manufacture
AT - Anti-Tank
BP - Black Powder
COMP B - Composition B
HEAT - High-Explosive,Anti-Tank
ILLUM COMP - Illuminant Composition
TNT - Trinitrotoluene
WP - White Phosphorus

a - Weight does not include Booster pellet, 156 grains Tetryl.
b - Cartridge, Rifle Grenade, CAL 30, M3, packed in M13 metal can.
Cartridge, Carbine Grenade, CAL 30, M6, packed in M13 metal can.
Cartridge, Auxiliary Grenade, M7, packed in M13 metal can.
c - Cartridges and Clip, Launcher, Positioning, DWG 82-1-86 packed with complete assembly.
d - Red, Yellow, or Green; Violet is Limited Standard.
e - M1 and M1A1 are Limited Standard.
f - To be used with Grenade, Hand, Smoke, AN-M8, M16, and M18. These Grenades are manufactured by Chemical Warfare Service.
h - Fuze, Grenade, M10A2, also used.
k - Substitute Standard.
m - Limited Standard.
n - Grenade, Rifle, AT, Practice, M11A4 is Limited Standard.
p - Adapter, Grenade, Projection, Chemical, M2 also available for issue.

Issued 1 April 1954

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SECTION 2
CHEMICAL HAND GRENADES
COMPLETE ROUND CHART

LINE NO.	STOCK NO.	COMPLETE ROUND NOMENCLATURE	SPEC. NO.	ASSEMBLY & BILL OF MATERIAL DRAWING NOS.	BODY			FILLING				FUZE, BURSTER, OR IGNITER				AVERAGE TOTAL WEIGHT AS USED (POUNDS)	IDENTIFYING COLOR MARKINGS	PACKING					STANDARDIZATION
					TYPE AND KIND	SPEC. NO.	DRAWING NO.	MATERIAL	FILLING SPEC. OR DIRECTIVE	WEIGHT IN POUNDS	PER-CENT VOID	TYPE OR KIND	SPEC. NO.	DRAWING NO.	DELAY TIME IN SECONDS			UNIT CONTAINER DRWG. NO.	SHIPPING CONTAINER DRWG. NO. (1)	UNITS PER SHIPPING CONTAINER	SHIPPING WEIGHT (POUNDS)	SHIPPING DISPLACEMENT (CU. FT.)	
1	342303	GRENADE, HAND, IRRITANT, (CN-DM), M6.	196-111-26	B13-22-2 B13-22-3	TIN PLATE SMOOTH CYLINDRICAL	196-111-26	B13-22-3	CHLORACETOPHENONE, DIPHENYLAMINE—CHLORARSINE, EC POWDER	SPEC. 196-111-26	0.64	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2 TO 3	1.06	1 RED BAND	B13-9-20	B13-9-16	25	52	1.60	STANDARD
2	332110	GRENADE, HAND, TEAR, (CN), M7.	196-111-18	B13-21-2 B13-21-3	TIN PLATE SMOOTH CYLINDRICAL	196-111-18	B13-21-3	EC POWDER CHLORACETOPHENONE, SMOKELESS POWDER	SPEC. 196-111-18	0.64	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2 TO 3	1.06	1 RED BAND	B13-9-20	B13-9-16	25	52	1.60	STANDARD
3	252210	GRENADE, INCENDIARY, AN-M14.	196-131-78	B13-17-2 C13-17-3	TIN PLATE SMOOTH CYLINDRICAL	196-131-78	B13-17-3	THERMATE	SPEC. 196-131-78	1.65	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	2.0	1 PURPLE BAND	B13-9-20	B13-9-84	16	50	1.04	STANDARD
4	212120	GRENADE, HAND, SMOKE (WP), M15.	196-111-56	B13-19-17 B13-19-18	STEEL BODY BURSTING TYPE	196-111-57	B13-20-45	WHITE PHOSPHORUS	SPEC. 196-111-56	0.95	4.6	DETONATING M6A3 (6)	AXS-694	ORD	4½	1.93	1 YELLOW BAND	B13-9-20	B13-9-84	16	50	1.04	STANDARD
5	212415	GRENADE, SMOKE, WHITE, (HC), AN-M8.	96-111-69	C13-19-31 C13-19-32	TIN PLATE SMOOTH CYLINDRICAL	96-111-69	C13-19-32	(TYPE "C") HC SMOKE MIXTURE	SPEC. 96-111-69	1.2	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2 TO 3	1.6 "C"	1 YELLOW BAND	B13-9-20	B13-9-84	16	43 "C"	1.04	STANDARD
6	222415	GRENADE, SMOKE, RED, AN-M3.	96-111-46	C13-19-2 C13-19-3	STEEL CYLINDRICAL	96-111-46	C13-19-3	RED SMOKE MIXTURE	SPEC. 96-111-46	0.66	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.3	1 YELLOW BAND (2)	B13-9-53	C13-9-58	16	50	1.43	STANDARD
7	222210	GRENADE, SMOKE, COLORED, M16 (GREEN).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	GREEN SMOKE MIXTURE	SPEC. 196-111-61	0.63	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.12	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	51	1.60	LTD. STD.
8	222410	GRENADE, SMOKE, COLORED, M16 (RED).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	RED SMOKE MIXTURE	SPEC. 196-111-61	0.66	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.12	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	51	1.60	LTD. STD.
9	222510	GRENADE, SMOKE, COLORED, M16 (VIOLET).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	VIOLET SMOKE MIXTURE	SPEC. 196-111-61	0.68	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.12	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	51	1.60	LTD. STD.
10	222610	GRENADE, SMOKE, COLORED, M16 (YELLOW).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	YELLOW SMOKE MIXTURE	SPEC. 196-111-61	0.68	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.12	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	51	1.60	LTD. STD.
11	222110	GRENADE, SMOKE, COLORED, M16 (BLUE).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	BLUE SMOKE MIXTURE	196-111-61	0.55	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.05	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	50	1.60	LTD. STD.
12	222310	GRENADE, SMOKE, COLORED, M16 (ORANGE).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	ORANGE SMOKE MIXTURE	196-111-61	0.64	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.12	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	51	1.60	LTD. STD.
13	222710	GRENADE, SMOKE, COLORED, M16 (BLACK).	196-111-61	C13-19-26 C13-19-27	TIN PLATE SMOOTH CYLINDRICAL	196-111-61	C13-19-27	BLACK SMOKE MIXTURE	196-111-61	0.72	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	LTD. STD.
14	222320	GRENADE, SMOKE, COLORED, M18 (ORANGE).	196-111-92	C13-19-36 C13-19-37	TIN PLATE SMOOTH CYLINDRICAL	196-111-92	C13-19-37	ORANGE SMOKE MIXTURE	196-111-92	0.72	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	STANDARD
15	222220	GRENADE, SMOKE, COLORED, M18 (GREEN).	196-111-92	C13-19-36 C13-19-37	TIN PLATE SMOOTH CYLINDRICAL	196-111-92	C13-19-37	GREEN SMOKE MIXTURE	SPEC. 196-111-92	0.73	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	STANDARD
16	222420	GRENADE, SMOKE, COLORED, M18 (RED).	196-111-92	C13-19-36 C13-19-37	TIN PLATE SMOOTH CYLINDRICAL	196-111-92	C13-19-37	RED SMOKE MIXTURE	SPEC. 196-111-92	0.73	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	STANDARD
17	222520	GRENADE, SMOKE, COLORED, M18 (VIOLET).	196-111-92	C13-19-36 C13-19-37	TIN PLATE SMOOTH CYLINDRICAL	196-111-92	C13-19-37	VIOLET SMOKE MIXTURE	SPEC. 196-111-92	0.72	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	STANDARD
18	222620	GRENADE, SMOKE, COLORED, M18 (YELLOW).	196-111-92	C13-19-36 C13-19-37	TIN PLATE SMOOTH CYLINDRICAL	196-111-92	C13-19-37	YELLOW SMOKE MIXTURE	SPEC. 196-111-92	0.73	.....	IGNITING M201 (3)(5)	196-111-83	C13-10-3	2	1.2	1 YELLOW BAND (2)	B13-9-20	B13-9-16	25	52	1.60	STANDARD
19	33211	GRENADE, HAND, RIOT (CN), M25.	196-111-110	C13-25-3 B13-25-2	PLASTIC SPHERICAL	196-111-110	B13-25-12	CN MIXTURE (7)	SPEC. 196-111-110	0.206	.....	BURSTING	196-111-110	C13-25-3	2 TO 3	0.47	1 RED BAND ON CONTAINER—NO MARKING ON GRENADE	B13-9-90	C13-9-89	50	52	1.8	STANDARD
COLUMN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

(1) TYPE AND KIND OF SHIPPING CONTAINER DEPENDS ON LATEST REVISIONS OF SPECIFICATIONS. ALL ARE WATERPROOF AND CORRESPOND TO MAXIMUM ALLOWABLE PACKING WEIGHTS.

(2) COLORED SMOKE GRENADE TIPS ARE PAINTED THE COLOR OF SMOKE CONTAINED.
(3) SOME MAY BE ON HAND WITH M200A1 FUZE.
(4) COLOR NOT MANUFACTURED BUT MAY BE ON HAND.

(5) STANDARD NOMENCLATURE: FUZE, IGNITING GRENADE, M201.
(6) STANDARD NOMENCLATURE: FUZE, DETONATING, M6A3.
(7) CONTAINS 8% MAGNESIUM OXIDE AND IS MICRO PULVERIZED.

SECTION 3
SMOKE POTS AND IRRITANT GAS CANDLES
COMPLETE ROUND CHART

LINE NO.	STOCK NO.	ASSEMBLY			CONTAINER, BODY (1)		FILLING			IGNITION METHOD		TOTAL WEIGHT COMPLETE POT (POUNDS)	CONTAINER OVER-ALL DIMENSIONS (INCHES)	CONTAINER COLOR MARKINGS	PACKING						STANDARDIZATION	REMARKS
		COMPLETE ROUND NOMENCLATURE	SPECIFICATION NO.	BILL OF MATERIAL AND ASSEMBLY DRWG. NOS.	SPECIFICATION NO.	DRAWING NO.	TYPE	SPECIFICATION NO. (2)	WEIGHT (POUNDS)	TYPE					TYPE	DRAWING NO.	UNITS PER CONTAINER	MARKING DIAGRAM DRWG. NO.	SHIPPING WEIGHT (POUNDS)	DIS-PLACEMENT (CU. FT.)		
1	215403	POT, SMOKE, MINIATURE, M1.	196-111-42	C36-1-6 B36-1-7	196-111-42	E36-2-28	HC—TYPE C	196-111-42	1.6	MATCHHEAD AND SCRATCHER BLOCK (5)		2.12	5.5 x 3.5 x 1.5	HC—SMOKE 1 YELLOW BAND	WOOD BOX	B36-3-15 B36-3-16	25	B36-3-17	65 APPROX.	1.86	STANDARD	
2	215409	POT, SMOKE, HC, M1.	196-111-27	C36-1-1	196-111-27	B36-2-1	HC—TYPE C HC—TYPE E	196-111-72 196-111-88	10.25 13.87	MATCHHEAD AND SCRATCHER BLOCK		12.0 15.0	9 x 5.4 DIAM.	HC—SMOKE 1 YELLOW BAND	WOOD BOX	B36-3-1 B36-3-29	3 3	B36-3-2 B36-3-2	45 "C" 50 "E"	0.88	SUBSTITUTE STANDARD	
3	215419	POT, SMOKE, HC, M1A1.	196-111-98	B36-T-28 C36-1-29	196-111-103	C36-2-108	HC—TYPE C HC—TYPE E	196-111-98 196-111-99	10.25 13.87	MATCHHEAD AND SCRATCHER BLOCK		12.0 15.0	8.5 x 5.4 DIAM.	HC—SMOKE 1 YELLOW BAND	FIBER CARTON WOOD BOX	A36-3-41 C36-3-38	1 3	B36-3-40	40 "C" 50 "E"	0.86	STANDARD	
4	215427	POT, SMOKE, FLOATING, HC, M4.	196-111-58	C36-1-10 C36-1-11	196-111-58	B36-2-41	HC SLOW BURNING HC FAST BURNING	196-111-58 196-111-58	26.0 1.0	FULL-WIRE IGNITER		38.0	12.3 x 12.7 DIAM.	HC—SMOKE 1 YELLOW BAND	WOOD BOX	B36-3-24	2	E36-3-25	90	3.6	LIMITED STANDARD	
5	215430	POT, SMOKE, FLOATING, HC, M4A1.	196-111-89	C36-1-14 C36-1-15	196-111-89	B36-2-66	HC SLOW BURNING HC FAST BURNING	196-111-89 196-111-89	25.0 2.0	BOUCHON FUZE & IGNITER TUBE (6)		38.0	13.8 x 12.8 DIAM.	HC—SMOKE 1 YELLOW BAND	WOOD BOX	B36-3-27	1	E36-3-28	45	1.9	SUBSTITUTE STANDARD	
6	215434	POT, SMOKE, FLOATING, HC, M4A2.	196-111-96	C36-1-25 C36-1-26	196-111-96	B36-2-103	HC SLOW BURNING HC FAST BURNING	196-111-96 196-111-96	25.0 2.0	BOUCHON FUZE & IGNITER TUBE (6)		38.0	12.4 x 12 DIAM.	HC—SMOKE 1 YELLOW BAND	WOOD BOX (7)	B36-3-36	1	B36-3-37	48	1.9	STANDARD	
7	215438	POT, SMOKE, 30-POUND, HC, M5.	196-111-105	B36-1-17 C36-1-18	196-111-104	C36-2-121	HC SLOW BURNING HC FAST BURNING	196-111-105 196-111-105	27.0 1.0	MATCHHEAD & SCRATCHER BLOCK OR MATCH-HEAD & ELECTRIC SQUIB		33.0	9.5 x 8.6 DIAM.	HC—SMOKE 1 YELLOW BAND	WOOD BOX	B36-3-30	1	B36-3-31	45	0.95	STANDARD	TYPE "E" FILLING—SPEC. NC NOT BEING PROCURED—EX
8	337110	POT, TEAR GAS, (CN), M1.	96-111-33	C36-6-2 C36-6-3	196-111-33	B36-6-3	CN (3)	196-111-33	1.2	MATCHHEAD AND SCRATCHER BLOCK (5)		1.5	5.1 x 3.4 DIAM.	CN—GAS 1 RED BAND	WOOD BOX	B26-3-4 B36-3-6	24	B36-3-5	50	1.0	STANDARD	
9	345215	CANDLE, GAS, IRRITANT, DM, M2.	196-111-39	B11-6-8 B11-6-9	96-111-37 96-111-38	B11-6-10 B11-6-12	DM (4) FUEL	96-111-38 96-111-37	2.0 4.0	MATCHHEAD PLUS SCRATCHER WIRE OR MATCHHEAD PLUS ELECTRIC SQUIB		9.25	6.1 x 8.5 DIAM.	DM—GAS 1 RED BAND	FIBER CARTON WOOD BOX	C11-7-13 C11-7-14	1 3	C11-7-13 B11-7-10	40	1.79	STANDARD	
COLUMN NO.	1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20	21

(1) STEEL OR TIN PLATE.
(2) FORMULA FOR FILLING MATERIAL INCLUDED IN FILLING SPECIFICATIONS.

(3) CN—CHLORACETOPHENONE.
(4) DM—DIPHENYLAMINECHLORARSINE (ADAMSITE).

(5) ALTERNATE METHOD OF IGNITION—ELECTRIC SQUIB—TYPE B—CWS DRAWING NO. E22-48-1.

(6) STANDARD NOMENCLATURE: FUZE, IGNITING GRENADE.
(7) SOME M4A2 POTS MAY BE PACKED IN STEEL DRUM CONTAINERS.

MINES, ANTI-TANK & ANTI-PERSONNEL

LINE NO.	STATUS	NOMENCLATURE	DESIG-NATION	COMPLETE ASSEMBLY DRAWING NO.	METAL PARTS DRAWING NO.	WEIGHT LOADED AND FUZED LB	CHARGE			FUZE ASSEMBLY		PACKING		REMARKS
							DRAWING NO.	KIND	WEIGHT LB	DRAWING NO.	DESIG-NATION	FUZE DRAWING NO.	MINE DRAWING NO.	
1	S&M	Mine,Anti-Tank,HE,Heavy	M6A2	82-0-129	82-15-22	20.0	75-14-437	TNT	12.0	73-9-55	M603	76-1-1173	76-1-1486	Shipped two mines per box; two activators and two fuzes each in metal containers.
2	S&M	Mine,Anti-Tank,HE,Light	M7A2	82-0-114	82-15-30	4.5	75-14-444	Tetrytol	3.6	73-9-55	M603	76-1-1173	76-1-1425	Shipped 12 mines per box,12 fuzes each in metal CNTR.
3	S	Mine,Anti-Tank,Non-Metalic,Practice	M9	82-0-113	83-15-27	15.0	82-15-27	Inert	5.4	73-9-26	M12	76-1-555	76-1-532	Shipped four mines per box,fuzes shipped separate.
4	S&M	Mine,Anti-Tank,Light,Practice	M10A1	82-0-156	82-15-40	4.63	75-14-502	Inert	3.5	P-82651	M604	76-1-1173	76-1-1179	Shipped twelve mines per box,fuzes shipped separate.
5	S&M	Mine,Anti-Tank,Heavy,Practice	M12	82-0-136	82-15-44	20.2	82-0-136	Inert ^d	12.0	P-82651	M604	76-1-1173	76-1-1520	Shipped two mines per box,fuze and activator shipped separate.
6	S&M	Mine,Anti-Tank,HE,Heavy	M15	82-0-189	82-15-58	31.46	75-14-653	COMP B	22.75	73-9-55	M603 ^e	76-1-1173	76-1-1174	Shipped one mine per box,one activator and one fuze each in metal container.
7														
8														
9														
10	S	Mine,Anti-Personnel	M2A3B1	82-0-94	82-15-14	7.16	75-14-364	TNT	.34	73-9-13	M6A1	76-1-601	76-1-1224	Shipped six cartons per box, one mine and one fuze per carton.
11	S ^a	Mine,Anti-Personnel,HE	M2A4 ^{cf}	82-0-99	82-15-19	5.30	75-14-364	TNT	.34	73-9-13	M6A1	76-1-601	76-1-1224	Shipped six cartons per box, one mine and one fuze per carton.
12	S ^a	Mine,Anti-Personnel	M3	82-0-79	82-15-9		75-14-365	TNT	.90	73-9-13	M7A1	76-1-460	76-1-459	Shipped six mines per box,6 fuzes in cartons.
13	S ^a	Mine,Anti-Personnel	M3B1	82-0-101	82-15-21	10.3	75-14-419	TNT	.90	73-9-13	M7A1	76-1-460	76-1-459	Shipped six mines per box,6 fuzes in cartons.
14	S&M	Mine,Anti-Personnel	M8	82-0-112	82-15-39	3.63	82-15-26	BP	.024	73-9-25	M10A1		76-7-719	Shipped two mines and 2 fuzes per box; Spotting charge and fuze assembled to mine in the field.
15	S&M	Mine,Anti-Personnel,NM	M14	82-15-55	82-15-52	.20	75-14-652	Tetryl	.063	82-15-52 ^b	None	None	76-1-1415	Shipped 90 mines per box in carton,90 detonators and 9 wrenches per box.
16	S&M	Mine,Anti-Personnel	M16	82-0-194		8.25	75-14-660	TNT	1.15	73-9-75	M605	76-1-1166	76-1-728	Shipped four mines per box,4 fuzes per box in CNTR.
17														
18														
19														
20														
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14

S - Issue
M - Manufacture
BP - Black Powder
NM - Non-metallic
TNT - Trinitrotoluene

a - Limited Standard.
b - Mine uses M46 Detonator Assembly,DWG 73-9-72.
c - Alternative: Mine,Anti-Personnel M2A4B2,DWG 82-0-116,Limited Standard.
d - Sand to be added in the field.
e - Mine uses Booster,M120,DWG 73-9-56.
f - Some Mines on hand designated M2A1,M2A2,DWG 82-0-71 and M2A3 DWG 82-0-99 dated Oct. 14, 1943.

S - Issue
M - Manufacture
AA - Anti-aircraft
AT - Anti-tank
BD - Base Detonating
COMP B - Composition B
HEAT - High Explosive Anti-tank
PI - Point Initiating
PROP P - Propellant Powder
TNT - Trinitrotoluene
WP - White Phosphorus

a - Launcher, Rocket, 2.36 inch, M18, & Projectors, Target Rocket, M1 & M1A1 are Limited Standard.
b - Rocket, M6A3C, same as M6A3, except Detonator Cover removed.
Rocket, M6A3D, same as M6A3C, except Propellant Powder used in T1E1.
Rocket, M6A3F, same as M6A3D, except Propellant Powder used is M7, and Plastic Nozzle Closure was added.
c - Detonator, M18, DWG 73-2-185.
d - Uses Burster Assembly, DWG 82-5-46.
e - Uses Flare Assembly, DWG 82-5-68.
f - Four Rockets to Aluminum Box, MK 1, MOD 0; some Rockets packed eight to Wooden Box, MK 3, MOD 0, DWG 423052; some Rockets packed four to Steel Box, MK 2, MOD 0, DWG 439192.
h - Navy Drawing.
k - Head, Rocket, HEAT, 2.75 Inch, M1, to be interchangeable with the HE head on the Navy 2.75 Inch, FFAR Rocket, MK 1 series.
m - M24A1 Metal Container, DWG 76-1-1182 may be used only when specifically authorized.
n - Uses Burster Charge, M19, DWG 73-1-197.
p - Limited Standard.

ROCKETS - 2.25 TO 3.5 INCH

LINE NO.	STATUS	PROJECTOR OR LAUNCHER	ROCKET									FUZE			PROPELLING CHARGE				IGNITER		PACKING	
			COMPLETE ASSEMBLY DWG NO.	DESIG- NATION	KIND	TYPE	DWG NO.	CHARGE			WEIGHT LOADED AND FUZED LB	DWG NO.	TYPE	DESIG- NATION	DWG NO.	KIND	TYPE	WEIGHT LB	DWG NO.	DESIG- NATION	INNER PACK DWG NO.	OUTER PACK DWG NO.
								DRAWING NO.	KIND	WT LB												
1	S&M	Aircraft	424973 ^h	MK 1 MOD 0	2.25	Practice Aircraft	424974 ^h				12.00				424989 ^h	.197 Stick	MK 16 MOD 1	1.75	424986 ^h	MK 112		439757 ^{hf}
2	S	M18 & M9A1	82-6-3 ^b	M6A3	2.36	HEAT	82-5-21	82-16-6	50-50 Pentolite 10-90 Pentolite	.47 .013	3.38		c		82-5-22	3/8 Stick	PROP P	.13	74-7-5	M12	76-1-1139	76-1-754
3																						
4	S	M18 & M9A1	82-6-3	M6A5	2.36	HEAT	82-5-21	82-16-6	50-50 Pentolite Cast TNT	.47 .026	3.45	73-10-29	BD	M401	82-5-22	3/8 Stick	M7	.13	74-7-5	M12	76-1-1139	76-1-754
5	S	M18 & M9A1	82-6-3	M6A6	2.36	HEAT	82-5-21	82-16-6	COMP B, Grade I	.50	3.45	73-10-29	BD	M401	82-5-22	3/8 Stick	M7	.135	74-7-5	M12	76-1-1139	76-1-754
6	S	M18 & M9A1	82-6-4	M7A3	2.36	Practice, AT	82-5-28				3.39				82-16-9	3/8 Stick	PROP P	.13	82-16-9		76-1-1139	76-1-754
7	S	M18 & M9A1	82-6-4	M7A4	2.36	Practice, AT	82-5-21	82-6-4	Inert	.50	3.39				82-16-9	3/8 Stick	PROP P	.13	74-7-5	M12	76-1-1139	76-1-754
8	S	M18 & M9A1	82-6-4	M7A5	2.36	Practice, AT	82-5-21	82-6-4	Inert	.50	3.39				82-16-9	3/8 Stick	T1E1	.13	74-7-5	M12	76-1-1139	76-1-754
9	S	M18 & M9A1	82-6-4	M7A6	2.36	Practice, AT	82-5-21	82-6-16	Inert	.50	3.45				82-16-9	3/8 Stick	M7	.13	74-7-5	M12	76-1-1139	76-1-754
10																						
11	S	M18 & M9A1	82-6-8	M10	2.36	Smoke, WP	82-5-47	82-16-15	WP	.89	3.4		d		82-16-14	3/8 Stick	PROP P	.13	74-7-5	M12	76-1-1140	76-1-1258
12	S	M18 & M9A1	82-6-8	M10A1	2.36	Smoke, WP	82-5-47	82-16-15	WP	.89	3.4		d		82-16-14	3/8 Stick	T1E1	.13	74-7-5	M12	76-1-1140	76-1-1258
13	S	M18 & M9A1	82-6-8	M10A2	2.36	Smoke, WP	82-5-47	82-16-15	WP	.89	3.4		d		82-16-14	3/8 Stick	M7	.13	74-7-5	M12	76-1-1140	76-1-1258
14	S	M18 & M9A1	82-6-8	M10A3	2.36	Smoke, WP	82-5-47	82-16-15	WP	.89	3.5	73-10-29	BD	M401	82-16-14	3/8 Stick	M7	.13	74-7-5	M12	76-1-1140	76-1-1258
15																						
16	S&M	Aircraft	82-6-28	M1 ^k	2.75	HEAT	82-5-167	82-16-40	COMP B	.89	6.47	73-10-39	FI	M406							76-1-1473	76-1-1474
17	S P	M1	82-6-2	M2	3.25	Target, AA	82-5-11				33.13				82-16-4	7/8 Stick	M13	3.2	82-16-5		76-1-1186	76-16-323
18	S P	M1A1	82-6-2	M2A2	3.25	Target, AA	82-5-11		e		32.34				82-16-4	7/8 Stick	M13	3.2	82-16-5	M22	76-1-1186	76-16-323
19																						
20	S P	M20A1	82-6-22	M28	3.5	HEAT	82-5-131	82-16-36	COMP B, Grade I ^p	1.93	8.9	73-10-35	BD	M404	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1182	76-1-1183
21	S P	M20A1	82-6-22	M28A1	3.5	HEAT	82-5-131	82-16-36	COMP B, Grade I	1.93	8.9	73-10-35	BD	M404	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1182	76-1-1183
22	S&M	M20A1	82-6-22	M28A2	3.5	HEAT	82-5-131	82-16-36	COMP B, Grade Y	1.88	9.00	73-10-35	BD	M404A1	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1609	76-1-1183
23																						
24																						
25	S	M20A1	82-6-23	M29A1	3.5	Practice	82-5-145				8.9	72-5-16	Dummy	M405	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1182	76-1-1183
26	S&M	M20A1	82-6-23	M29A2	3.5	Practice	82-5-145				8.96	72-5-16	Dummy	M405	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1069	76-1-1183
27																						
28	S&M	M20A1	82-6-26 ⁿ	M30	3.5	Smoke, WP	82-5-166	82-16-39	WP	2.23	8.98	73-10-35	BD	M404A1	82-16-35	3/8 Stick	M7	.36	82-5-132	M20	76-1-1069 ^m	76-1-1183
29																						
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

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ROCKETS - 4.5 TO 7.2 INCH

LINE NO.	STATUS	PROJECTOR OR LAUNCHER	ROCKET									FUZE			PROPELLING CHARGE				IGNITER		PACKING	
			COMPLETE ASSEMBLY DRAWING NO.	DESIG-NATION	KIND	TYPE	DRAWING NO.	CHARGE			WEIGHT LOADED AND FUZED LB	DRAWING NO.	TYPE	DESIG-NATION	DRAWING NO.	KIND	TYPE	WEIGHT LB	DRAWING NO.	DESIG-NATION	INNER PACK DRAWING NO.	OUTER PACK DRAWING NO.
								DRAWING NO.	KIND	WEIGHT LB												
1	S	T106E1 ^e	82-6-9	M16	4.5	HE	82-5-48	82-16-12	TNT	5.1	42.50	73-2-251	PD	M81A1 ^{bg}	82-16-16	7/8 Stick	M13	4.75	82-5-51	M18	76-1-1141	76-1-1242
2	S	T106E1 ^e	82-6-9	M16A1 ^k	4.5	HE	82-5-48	82-16-21	COMP B ^f	3.7 ^d	40.11 ^d	73-2-251	PD	M81A1 ^{bg}	82-16-16	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	76-1-1141	76-1-1242
3	S&M	T106E1 ^e	82-6-9	M16A2 ^k	4.5	HE	82-5-48	82-16-21	COMP B ^f	3.7 ^d	40.11 ^d	73-2-251	PD	M81A1 ^{bg}	82-16-16	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	76-1-1141	76-1-1242
4																						
5																						
6	S	T106E1 ^e	82-6-9	M17	4.5	PRAC	82-5-48	82-16-12	Inert	5.1	42.50	72-5-11	Dummy	M73	82-16-16	7/8 Stick	M13	4.75	82-5-51	M18	76-1-1141	76-1-1242
7	S	T106E1 ^e	82-6-9	M17A1 ^k	4.5	PRAC	82-5-48	82-16-21	Inert	3.7	40.11	72-5-11	Dummy	M73	82-16-16	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	76-1-1141	76-1-1242
8	S&M	T106E1 ^e	82-6-9	M17A2 ^k	4.5	PRAC	82-5-48	82-16-21	Inert	3.7	40.11	72-5-11	Dummy	M73	82-16-16	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	76-1-1141	76-1-1242
9																						
10																						
11	S&M	M12A1 or M12A2	82-6-7	M20	4.5	HE	82-5-48	82-16-21	COMP B ^f	3.7	40.11	73-2-251	PD	M81A1 ^g	82-16-13	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	a	a
12	S&M	M12A1 or M12A2	82-6-7	M21	4.5	PRAC	82-5-48	82-16-21	Inert	3.7	40.11	72-5-11	Dummy	M73	82-16-13	7/8 Stick	M13	4.81	82-5-51	M18A1 ^h	a	a
13																						
14																						
15	S	T106E1 ^e	82-17-1	M24	4.5	Drill	82-5-49	82-16-21	Inert	5.1	42.50	72-5-11	Dummy	M73	82-17-1	Inert		4.75			76-1-1141	76-1-1242
16																						
17	S&M	Aircraft ^o	Navy 467089	MK 26 Mod 0	5.0	HVAR	Navy 439901	Navy 561527	TNT	7.50	134.0	393783 561460	Nose	MK 149 ^m Mod 0	Navy 467007	Crueliform	MK 18 Mod 0	23.90	Navy 451268	MK 114 Mod 0		
18																						
19																						
20	S&M	M24	82-6-14	M25	7.2	Gas	82-5-69	82-16-22	CG	20.6	51.8	Navy 423842	PD	MK 147 Mod 1	82-16-23	2.57		5.25	Navy 422166	MK 9		PC-17
21	S&M	M24	82-6-19	M27	7.2	Gas	82-5-107	82-16-32	CK	18.6	51.8	Navy 423842	PD	MK 147 Mod 1	82-16-23	2.57		5.25	Navy 422166	MK 9		PC-17
22																						
23																						
24																						
25																						
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

S - Issue
M - Manufacture
CG - Phosgene
CK - Cyanogen Chloride
HE - High Explosive
HVAR - High Velocity Aircraft Rocket
PD - Point Detonating
PRAC - Practice
TNT - Trinitrotoluene

a - Rocket shipped in Launcher, one launcher and one Rocket per box.
b - Fuze, VT, Mk02 approved for use with deep cavitized M16 Rockets.
c - M34 modification kit, basic drawing 82-5-140, is used with this Rocket with Army Planes. Packing Box for M34 Kit, DWG 76-1-1184.
d - With supplementary charge; weight of supplementary charge-.263 LB.
e - Some T66 series Launchers are in service.
f - Some rockets on hand loaded with TNT.
g - M81 Fuzes may be found.
h - Some rockets have igniters designated M18.
k - M16A1 and M17A1 are renovated rounds. M16A2 and M17A2 are new manufacture.
m - Also uses MK 164 Mod 0, Base Fuze.

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JATOS

LINE NO.	STATUS	APPLICATION	JATO							PROPELLING CHARGE				IGNITER		PACKING	
			COMPLETE ASSEMBLY DWG NO.	DESIG-NATION	METAL PARTS ASSEMBLY DWG NO.	LOADING ASSEMBLY DWG NO.	BURNING TIME SEC	THRUST LB	WEIGHT LOADED LB	DRAWING NUMBER	TYPE	DESIG-NATION	WEIGHT LB	DRAWING NUMBER	DESIG-NATION	IGNITER DRAWING NUMBER	JATO DRAWING NUMBER
1	S a	Launch O.Q14 Target Plane from A7 Catapult	82-6-24	M2		82-6-24	0.7	2500	24.	82-6-24	MRP, Extruded Solid Tubular		1.16	82-5-144	M21	76-1-1221	76-1-1187
2																	
3	S&M	Launch O.14 Target Plane from A7 Catapult	82-6-24	M3		82-6-24	0.7	2650	27.1	82-6-24	Extruded Solid Tubular	M16	1.31	82-5-144	M21	76-1-1221	76-1-1357
4																	
5																	
6																	
7	S&M	Assist Aircraft on take off	82-6-25	M8	82-5-147	82-16-37	14.0	1000	158.	82-5-154	Cast OGK	M301	70.0	82-5-156	M31	76-1-1470	76-1-1472
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

S - Issue
M - Manufacture

a - Limited Standard.

CARTRIDGE ACTUATED DEVICES - CATAPULTS

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	DESIGNATION	METAL PARTS DWG NO.	WT LOADED LB	CARTRIDGE					PACKING				
							DRAWING NO.	DESIGNATION	PROPELLING CHARGE			CARTRIDGE		COMPLETE ASSEMBLY		
									KIND	TYPE	WEIGHT GRAINS	INNER PACK DWG NO.	OUTER PACK DWG NO.	INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S ^a	Catapult W/CTG, Aircraft Personnel	75-1-279	M1A1	D-7694277	8.24	75-1-277	M28A1	PROP P	M6	1304		76-1-1213	76-1-1209	76-1-1210	
2																
3	S&M	Catapult W/CTG, Aircraft Personnel Training	D-7141955	M2	D-7141955		75-1-288	M30A1	PROP P	M6	1188		76-1-1213	76-1-1209	76-1-1210	
4																
5	S&M	Catapult W/CTG, Aircraft Personnel	FF-6752	M3	CLX-71-1		FF-6950	M36	PROP P	M8		76-1-1433	76-1-1432	76-1-1535	76-1-1536	
6																
7	S&M	Catapult W/CTG, Aircraft Personnel	FF-6759	M4	CLX-74-1		FF-7505	M37	PROP P	M8		76-1-1438	76-1-1439	76-1-1529	76-1-1534	
8																
9	S&M	Catapult W/CTG, Aircraft Personnel	FF-6768	M5	CLX-70-1		75-1-277	M28A1	PROP P	M6	1304		76-1-1213	76-1-1523	76-1-1524	
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
CTG - Cartridge
PROP P - Propellant Powder

a - Limited Standard.

CARTRIDGE ACTUATED DEVICES - REMOVERS

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	DESIG-NATION	METAL PARTS DWG NO.	WT LOADED LB	CARTRIDGE					PACKING				
							DRAWING NO.	DESIG-NATION	PROPELLING CHARGE			CARTRIDGE		COMPLETE ASSEMBLY		
									KIND	TYPE	WEIGHT GRAINS	INNER PACK DWG NO.	OUTER PACK DWG NO.	INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S&M	Remover W/CTG, Aircraft Canopy	75-1-282	M1A1 ^b	D-7694278	2.51	75-1-280	M29A2	PROP P	M2	121.9		76-1-1214	76-1-1212	76-1-1211	
2																
3	S ^c	Remover W/CTG, Aircraft Canopy	75-1-289	M2A1 ^b	D-7140829		75-1-290	M31A1	PROP P	M2	332		76-1-1296	76-1-1294	76-1-1295	
4																
5	S&M	Remover W/CTG, Aircraft Canopy	FF-6771	M3	BLX-53-1		75-1-290	M3A1	PROP P	M2	332		76-1-1296	76-1-1572	76-1-1573	
6																
7	S&M	Extractor	FF-6863	M1										76-1-1622	76-1-1623	
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
CTG - Cartridge
PROP P - Propellant Powder

a - When M1A1 Remover is assembled with M3 Initiator and M1 Extractor assigned nomenclature is Remover with Cartridge, Aircraft Canopy M1A2-OCM 34218.
b - Removers,W/CTG, Aircraft Canopy, M1 and M2 are Limited Standard.
c - Limited Standard.

CARTRIDGE ACTUATED DEVICES - INITIATORS

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	DESIG-NATION	METAL PARTS DWG NO.	WT LOADED LB	CARTRIDGE					PACKING				
							DWG NO.	DESIG-NATION	PROPELLING CHARGE			CARTRIDGE		COMPLETE ASSEMBLY		
									KIND	TYPE	WEIGHT GRAINS	INNER PACK DWG NO.	OUTER PACK DWG NO.	INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S&M	Initiator W/CTG	FF-6845	M3	FF-6846		FF-7481	M38	PROP P	M2		76-1-1441	76-1-1440	76-1-1496	76-1-1595	
2																
3	S&M	Delay-Initiator W/CTG, Lap Belt Release	FF-6850	M4	FF-6851		FF-7483	M46	PROP P	M2				76-1-1637	76-1-1638	
4																
5	S&M	Initiator W/CTG	FF-6854	M5	FF-6855		FF-7481	M38	PROP P	M2		76-1-1441	76-1-1440	76-1-1640	76-1-1641	
6																
7	a	Delay-Initiator W/CTG	FF-6859	M6	FF-6860		FF-7483	M46	PROP P	M2				76-1-1639	76-1-1642	
8																
9																
10																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
CTG - Cartridge
PROP P - Propellant Powder

a - OCM action in process to standardize as
Delay-Initiator with Cartridge, Thruster, M6.

CARTRIDGE ACTUATED DEVICES - THRUSTERS

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	DESIG-NATION	METAL PARTS DWG NO.	WT LOADED LB	CARTRIDGE					PACKING				
							DWG NO.	DESIG-NATION	PROPELLING CHARGE			CARTRIDGE		COMPLETE ASSEMBLY		
									KIND	TYPE	WEIGHT GRAINS	INNER PACK DWG NO.	OUTER PACK DWG NO.	INNER PACK DWG NO.	OUTER PACK DWG NO.	SHIPPED
1	S&M	Thruster W/CTG	FF-7345	M1	FF-7347		FF-7363	M2	PROP P	M2				P-85968	P-85967	
2																
3	a	Thruster W/CTG	FF-7347	M2	FE-34901		FF-7365	M3	PROP P	T8				P-86010	P-86009	
4																
5	a	Thruster W/CTG	FF-6798	M3	FC-6668		FF-7367	M44	PROP P	B8				76-1-1648	76-1-1647	
6																
7	a	Thruster W/CTG	FF-6949	M5	FB-33429		FF-7481	M38	PROP P	M2		76-1-1441	76-1-1440	76-1-1644	76-1-1645	
8																
9																
10																
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

S - Issue
M - Manufacture
CTG - Cartridge
PROP P - Propellant Powder

a - Being standardized

S - Issue
M - Manufacture
CTG - Cartridge
PROP P - Propellant Powder

a - Being standardized

S - Issue
M - Manufacture
CHG - Charge
COMP C-3 - Composition C-3
COMP C-4 - Composition C-4
PENT - Pentaerythrite Tetranitrate
TNT - Trinitrotoluene

a - Block, Demolition, M5 (COMP C-3 loaded) Substitute Standard.
b - Weight is for 10 Tube Sections, 10 connecting Sections and 1 Nose Sleeve.
Each Tube Section weighs 13-LB.
c - Alternative Charge: - Pentolite.
d - Weight is that of 8 blocks in Haversack.
e - End Charges, .41-LB each - Total .82-LB Grade I, TNT.
f - Limited Standard.
g - Packing Chest for the M23 Tripod, DWG D7265478.
h - Total charge weight for 128 Explosive Cartridge Assemblies.
k - Limited Standard, for training purposes only.
m - Case, Carrying, M85, DWG 76-1-1218.
n - Engineer Corps Drawings.
o - Packing Box for Explosive Cartridge, one Cartridge per box.
p - Uses Adapter, Priming, M1A4. Adapter, Priming, Explosive, M1A3,
Limited Standard.
q - DWG B6938-1 for 100-FT spool, DWG B 7129-1 for 500 and 1000-FT spools.
r - Weight is for 1000 feet of detonating cord.
s - DWG 76-1-1541, packing carton for 6, 100-FT reels. DWG 76-1-1542,
packing box for 4 cartons.
t - Some Charges, Shaped, M2 and M2A1, Engineer Corps DWG D-3803-1 and 2 are on hand.

DEMOLITION MATERIAL

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DRAWING NO.	METAL PARTS ASSEMBLY DWG NO.	CHARGE			COMPLETE WEIGHT LB	FUZE		PACKING		REMARKS
					DRAWING NO.	KIND	WEIGHT LB		DRAWING NO.	DESIG-NATION	OUTER PACK DWG NO.	PACKING AND MARKING DWG NO.	
1	S&M	Block, Demolition Chain, M1	82-0-87		75-14-395	75/25 Tetrytol	2.50	21.82 ^d	75-14-395	Detonating Cord	76-1-1260	76-1-1260	
2	S	Block, Demolition, M2	82-0-93		75-14-410	75/25 Tetrytol	2.41	21.39 ^d			76-1-1260	76-1-1260	This item detonated by Corps of Engineers Blasting Cap.
3	S	Block, Demolition, M3				COMP C-3	2.25						No drawing. See Specification MIL-B-20397.
4	S&M	Block, Demolition, M5A1 ^a	82-13-9		82-13-9	COMP C-4	2.5	2.58			76-1-1457		
5	S&M	Block, TNT				TNT	1.0	1.0				Spec JAN-T-234	TNT Blocks are initiated by the following methods: Non-electric cap, Detonating Cord or electric Blasting cap.
6													
7													
8	S&M	Cable, Detonating, Mine Clearing, Anti-Personnel, M1	D-5654-1 ⁿ										
9													
10	S&M	Charge, Shaped, 15-LB, M2A3 ^t	82-0-120	82-12-1	82-13-1 ^c	COMP B & 50-50 Pentolite Booster	11.5	15.32	p		76-1-838		Detonated by Cap, Blasting, Electric, J2, Type II.
11	S&M	Charge, Shaped 40-LB	82-0-122	82-12-5	82-13-2 ^c	COMP B & 50-50 Pentolite Booster	29.0	48.68	p		76-16-430		Detonated by Cap, Blasting, Electric, J2, Type II.
12	S&M	Charge Propelling, M12, W/Primer, M44 for Rod, Earth, Blast Driven	71-9-237	71-13-4	71-9-238	Propellant, M2	270-gram				76-1-908		Primer, M44, DWG 74-2-71.
13	S&M	Charge, Springing, for Rod, Earth, Blast Driven	B-5994-1 ⁿ										
14	S ^k	Cord, Detonating, PENT	B 6938-1 ⁿ D 4014-1 ⁿ										See Specification 49-10A.
15	S&M	Cord, Detonating, Waterproof	B 6938-1 ^{nq} B 7129-1		JAN-F-387	PENT	6.4 ^t				76-1-1541 ^s		See Specification PA-PD-332.
16													
17	S&M	Demolition Kit, M37	82-0-158 ^m		83-13-9	COMP C-4	2.5	21.0 ^d			76-1-1516		Priming Assembly, Demolition, M15, DWG 82-0-177.
18													
19	S&M	Firing Device, Delay Type, M1	D 2871-1 ⁿ										
20	S&M	Firing Device, Pressure Type, M1A1	D 2856-1 ⁿ D 4096-1										
21	S ^f	Firing Device, Pull Friction Type, M2	D-4273-1 ⁿ										
22	S&M	Firing Device, Pull Release Type, M3	D-3979-1 ⁿ										
23	S ^f	Firing Device, Pressure Release Type, M5	D 4261-1 ⁿ										
24													
25	S&M	Rod, Earth, Blast Driven, M13	82-13-14		71-9-237	M12 Propelling CHG	270-gram				D7265224		This item uses the M23 Tripod, DWG 82-13-20. ^g
26													
27	S&M	Snake, Demolition, M3	P-84392		P-84399	TNT, Amatol	5.11 36.61	5.327 ^h			76-1-1624 ^o		
28													
29	S&M	Torpedo, Bangalore, M1A1	82-0-84	82-15-10	75-14-386	80-20 Amatol	7.6 ^e	144.9 ^b			76-1-485		1 Nose Sleeve and 10 Connecting Sleeves required, DWG 82-15-10.
30													
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13

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DEMOLITION MATERIAL (MISCELLANEOUS)

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	SPECIFICATION NO.	
1	S ^f	Adapter, Priming, Explosive, M1A3	82-0-169	PA-PD-132 ^a	
2	S&M	Adapter, Priming, M1A4	82-0-169		
3					
4	S&M	Cap, Blasting, Electric & Non-electric, NO. 6 & NO. 8		X-C-0051 ^b	
5	S&M	Cap, Blasting, Special, U.S. Army, Electric & Non-Electric	D-4046-1 ^c	49-20A	
6	S&M	Cap, Detonating, Electric, Waterproof(Fuze,Submarine Mine)		MIL-C-20448	
7					
8	S&M	Clip, Cord, Detonating, M1	82-0-166	MIL-C-373A	
9					
10	S&M	Detonator, Concussion Type, M1	D-4379-1 ^c	49-44	
11	S&M	Detonator, Delay, 15 SEC, M1	D-4367-1 ^c	JAN-D-409	
12	S&M	Detonator, Delay, 8 SEC, M2	D-5793-1 ^c	JAN-D-409	
13					
14	S&M	Dynamite		Being prepared	
15					
16	S&M	Explosive, Cratering, Ammonium Nitrate in 40-LB Container		49-21A	
17	S&M	Explosive, TNT, 8-LB Block	P-84857		
18					
19	S ^f	Fuse, Blasting, Time		JAN-F-360	
20	S&M	Fuse, Safety, M700		PA-PD-220 ^d	
21					
22	S ^f	Lighter, Fuse, Friction Type, M1	78-0-136	MIL-L-12597	
23	S&M	Lighter, Fuse, Weatherproof, M2	73-9-62	PA-PD- 321 ^e	
24					
25	S&M	Primer, Percussion Cap, M2	B-4760-1 ^c	49-25	
26					
27					
COLUMN NUMBER	1	2	3	4	

S - Issue
M - Manufacture
TNT - Trinitrotoluene

a - Pending revision of MIL-A-417 covering this item.
b - Federal Specification.
c - Engineer Corps Drawing Numbers.
d - Pending promulgation of a MIL specification covering this item.
e - Pending revision of Military Specification JAN-L-394 covering this item.
f - Limited Standard.

MISCELLANEOUS ITEMS

LINE NO.	STATUS	NOMENCLATURE	COMPLETE ASSEMBLY DWG NO.	PARTS ASSEMBLY DWG NO.	CHARGE			COMPLETE WEIGHT LB	PACKING		REMARKS
					DWG NO.	KIND	WEIGHT		INNER PACK DWG NO.	OUTER PACK DWG NO.	
1	S&M	Activator, M1	73-9-16		73-9-16	Tetryl	36 Grains		76-1-1027	76-1-1449	
2	S&M	Activator, Practice, M1	73-9-46		73-9-46	White Smoke COMP Photoflash Powder	20 Grains 2.34 Grains	.0329	76-1-1027	76-1-1449	
3											
4											
5	S	Charge, White Smoke Puff	71-13-3		71-13-3	Black Powder	2 Ounces		76-2-71	76-2-70	Used with Smoke Puff Discharger; DWG 39-3-36 and Percussion Cap. DWG A-8826
6											
7	S&M	Cutter, Cable, M1	82-0-126	82-12-8	82-13-3	55/45 Pentolite	29 Grams	4.9			Uses Detonator, Electric, M1, DWG 82-3-377
8											
9	S&M	Cutter, Reefing Line, M2 (2, 4, 6, 8, 10, Second Delay)	82-0-159		82-3-736	Black Powder	10 Grains	.4	76-1-1281	76-1-1282	Uses Primer, M42, DWG 74-2-66
10											
11											
12	S&M	Destructor, HE, Universal, M10	82-0-205		82-0-205	Tetryl	2105 Grains		76-1-1593	76-1-1594	Uses Blasting Cap
13											
14											
15	S&M	Simulator, Gunflash, M110	78-0-115	78-0-116	78-0-115	a	3.23 Ounces	.7	76-1-1161	76-1-1265	Uses Squib, Electric, S-72
16											
17											
18											
19											
20											
COLUMN NUMBER	1	2	3	4	5	6	7	8	9	10	11

S - Issue
M - Manufacture
COMP - Composition

a - Calcium Oxalate - .18 oz
Charge B Composition - .55 oz
Charge C Composition - 2.5 oz



MADE IN U.S.A.

THE

ELBE

LINE

TO DUPLICATE ORDER

NO

88771

ELBE FILE & BINDER CO. INC.

FALL RIVER, MASS.
NEW YORK, N.Y.

