

NAVSEA OP 1415

(SECOND REVISION)

ROCKET ASSEMBLIES
COMPLETE ROUNDS AND COMPONENTS
DATA



For official use only

DECLASSIFIED PER NAVORDINST 5511.27 ORD-065 30 NOVEMBER 1971

Published by direction of Commander, Naval Sea Systems Command

11 MAY 1955



DEPARTMENT OF THE NAVY
BUREAU OF ORDNANCE
WASHINGTON 25, D. C.

11 MAY 1955

ORDNANCE PAMPHLET 1415 (SECOND REVISION)

ROCKET ASSEMBLIES; COMPLETE ROUNDS AND COMPONENTS
DATA

1. Ordnance Pamphlet 1415 (Second Revision) summarizes data for complete rounds and components of rocket ammunition. It is intended for use by personnel concerned with assembly, handling, and firing of rocket ammunition.
2. This publication supersedes OP 1415 (First Revision), which should be destroyed.
3. It is not intended that this publication be carried in aircraft for use therein.

F. S. WITHINGTON

PAUL D. STROOP
Rear Admiral, U. S. Navy
Deputy Chief,
Bureau of Ordnance

ADOLF
MEBIUS

CONTENTS

<i>Chapter</i>		<i>Page</i>
1	INTRODUCTION.....	1
	Description.....	1
	Assignment of Mark and Mod Designations.....	2
2	CURRENT ROUNDS.....	4
	2"25 Rockets.....	5
	2"5 Rockets.....	9
	2"75 Rockets.....	11
	3"0 Rockets.....	29
	5"0 Rockets.....	33
	7"2 Rockets.....	65
	11"75 Rockets.....	67
3	ROCKET ASSEMBLIES AND COMPONENTS.....	71
	Complete Rounds (2"25-2"75).....	72-73
	Rocket Drift Signal (3"0).....	74-75
	Rocket Targets (3"25).....	74-75
	Complete Rounds (3"5 through 12"75).....	76-88
	Rocket Motors.....	88-99
	Rocket Heads.....	99-113
	Rocket Fuzes.....	114-119
	Rocket Igniters.....	120-121
	Propellant Grains.....	122-125
	Electric Connectors.....	126-127
	Rocket Head Explosives.....	128
	Auxiliary Boosters.....	129
	Rocket Containers (Complete Rounds).....	130-133
	Rocket Motor Containers.....	134-137
	Rocket Head Containers.....	138-141
	Rocket Fuze Containers.....	142-143
	Rocket Tools.....	145
4	SAFETY PRECAUTIONS.....	148

Chapter 1

INTRODUCTION

A rocket assembly is a complete round of rocket ammunition, with all its components, ready for service use. The two main categories of rockets are those fired from surface craft and those fired from aircraft. In each category, three methods of stabilization are the basis of a further breakdown—spin stabilization (SS), folding fin stabilization (FF), and fixed fin stabilization. The latter requires no designation.

A rocket head is physically and functionally similar to a gun-fired projectile. Different types of heads and fuzes used in complete rounds of rocket ammunition provide descriptive designations according to their tactical purpose or their outstanding characteristics. Details of these identifying designations are included in this chapter.

This publication presents all currently available data for rocket assemblies and components. Performance characteristics and data are illustrated and summarized for each current service round. Detailed data for all rockets and for their components are presented in tabular form. Imperative safety precautions are included in the book for the information of personnel who supervise handling or who handle these weapons.

Descriptions

Rocket Components.

HEAD. The rocket head contains the explosive, pyrotechnic, chemical charge or filler, and detonating fuze or fuzes.

FUZE. The fuze is the mechanism that detonates or fires the explosive or other filler in the rocket head. Fuzes are positioned in the nose and/or base of the rocket head, and, in some cases, are supplemented by auxiliary fuzes or boosters.

MOTOR. The rocket motor is the propulsion unit of the rocket; consisting of the motor tube, ignition system, propellant, nozzles, grid, and closure assemblies.

FIN ASSEMBLY. The fin assembly, when used, is attached to the aft end of the motor tube.

It stabilizes non-rotating or slow-rotating rockets in flight.

CABLE. The cable is the electric conductor between the rocket motor and the electric plug.

PLUG. The plug is the end connection on the cable, which fits into the electric receptacle on the launcher or plane.

ELECTRIC CONNECTOR. This connector is the complete electric connection between the rocket motor and the launcher, including the cable and plug.

IGNITER. The igniter is the device that ignites or fires the propellant in the rocket motor. It consists of an electric squib or squibs, and an igniter charge, contained in a case. The electric current passes from the receptacle in the launcher or plane, through the electric connector to the igniter and causes the squib bridge to generate sufficient heat to ignite the initiator charge. This then ignites the igniter charge which, in turn, ignites the propellant grain.

PROPELLANT GRAIN. The propellant grain is solid ballistite, extruded into various cross-sectional shapes to provide for a predetermined burning area and time. This controlled burning permits uniform gas pressure within the motor tube.

Rocket Stabilization. Rockets are stabilized in flight by either of two methods, Spin or Fin; or, in some cases, by a combination of both methods. Spin-stabilization is achieved when the nozzles are canted so that escaping gases cause spin or rotation of the round. Fin-stabilization is provided by attaching fixed or folding fins, or a fin assembly, to the aft end of the motor tube. The folding-fin arrangement permits the firing of finned rockets from tubular-type launchers. In some rounds, a slow spin is added to a finned rocket to provide reduced dispersion.

Types of Rocket Heads.

GENERAL PURPOSE (GP). General purpose rocket heads have relatively thin walls and contain a high percentage of explosive charge by

weight about (30 percent). These heads have a large blast effect and good penetration against light armor. A nose detonating fuze and a base fuze usually are required for the GP heads. The nose fuze may be set on SAFE when only base fuze action is desired.

HIGH EXPLOSIVE (HE). The high explosive rocket head is similar to the GP head and carries a similar explosive charge. It uses a nose detonating fuze only and has no provision for a base fuze.

VARIABLE TIME (VT). The VT rocket head is similar to the GP head, except that it is equipped with a VT fuze.

ARMOR PIERCING (AP). The armor piercing rocket head is designed for maximum penetration. It contains a relatively small explosive charge (less than 10 percent by weight), and the blast and fragmentation effect is small. A base detonating fuze is used when the AP head contains an explosive charge. Smaller caliber AP head designs are of solid metal for greater penetrative effect, and have no explosive charge, filler, or fuze.

SHAPED CHARGE (HEAT). The shaped charge rocket head is relatively thin-walled and contains a high percentage of explosive by weight. The shaped charge concentrates the explosion within a confined space and produces the Munroe effect. The result is deep penetration into armor or concrete, so the HEAT head is most effective against tanks and armored installations where explosive material inside the target might be ignited. The HEAT head also produces good blast and fragmentation for use as an anti-personnel weapon.

FRAGMENTATION (FRAG). The fragmentation head has a wall of special construction. It is laminated, and wire bound, or so arranged that explosion of the head produces fragments of predetermined size, shape, and weight. The amount of explosive is similar to that used in the GP or HE heads. The FRAG head may require either a nose or a base fuze, or both.

PRACTICE (PRAC). The practice head is intended for use with live service motors for training purposes or for testing fuzes and motors. It may be an inert-loaded service head or a head manufactured for a specific purpose. In size, shape, and weight, it approximates the loaded service head, and is used in

conjunction with a live service motor to simulate the service round. The PRAC heads also may be assembled with inert motors for use as dummy rounds during training and drill. A subcaliber practice head also is used; assembled with a correspondingly smaller motor, it constitutes a complete subcaliber round to approximate the ballistics of the service round it simulates.

SMOKE—SMOKE (WP) or (FS). The SMOKE head is used to deliver chemical materials which are intended primarily to produce smoke. This smoke is used as a screen or to mark the location of a target.

INCENDIARY (INCEND). The incendiary head is used as a vehicle for delivering chemical materials which primarily are intended to produce fire.

FLARE (FLARE). The FLARE head contains pyrotechnic material and a parachute which are released at a predetermined point while the rocket is in flight. It is used to illuminate a specified area for locating an enemy target.

WINDOW (W). The window head contains a quantity of small metal foil strips or rods which are scattered at a predetermined location or time interval. Its purpose is to simulate or obscure signals from friendly ships, confuse electronic tracking devices, and jam enemy radar signals.

CHEMICAL (CHEM). The chemical head is used as a vehicle for delivering toxic agents to a target area, to cause enemy personnel casualties. These heads are thin walled and incorporate a nose fuze and a burster charge.

Assignment of Mark and Mod Designations

Rocket Heads. Designations of loaded rocket heads consist of the following terms, combined in sequence as indicated here:

1. Caliber (the nominal outside diameter of the rocket head).
2. Rocket Head.
3. Mark and mod of the inert metal parts of the head.
4. Parenthetical descriptive term of the Type of loaded head (such as GP, VT).

No mark or mod number different from that assigned to the rocket head metal parts shall be assigned to a loaded rocket head. In all in-

stances, the loaded rocket head shall be identified by the mark and mod number of the metal parts, plus the descriptive term or its abbreviation. For example, a head may be loaded with any one of several different type loads, and the only difference in the designation of each is in the descriptive term assigned to it. The 5.0 Rocket Head Mk 6 Mod 1 (Inert Metal Parts), when explosive-loaded and assembled with Nose Fuze Mk 149 and Base Fuze Mk 164, is designated 5.0 Rocket Head Mk 6 Mod 1 (GP). When this same head is inert-loaded, it is designated 5.0 Rocket Head Mk 6 Mod 1 (PRAC).

Rocket Motors. Loaded rocket motors are designated by combining descriptive terms in the following sequence:

1. Caliber (the nominal outside diameter of the motor tube).
2. Rocket Motor.
3. Mark and mod number of the loaded motor.
4. Parenthetical descriptive term, if required.

Each caliber of motor shall be assigned its own series of mark numbers. The first mod of each new mark number is Mod 0. Usually, the loaded motor has the same mark number as that assigned to the inert metal parts, and the first mod number assigned to the loaded motor is the same mod number as that assigned to the metal parts. The basis for assignment of new mark and mod numbers to loaded motors is as follows:

NEW MARK NUMBER. A new mark number is assigned to the loaded motor when there is a:

1. New mark number assigned to motor metal parts.
2. Change in igniter, grain, electric connector, or other loading components that make it noninterchangeable, either physically or functionally, in all required installations.

NEW MOD NUMBER. A new mod number is assigned to the loaded motor when there is a:

1. New mod number assigned to the motor metal parts. (The same mod number is assigned to the loaded motor as is assigned to the motor metal parts.)
2. Change in either mark or mod number of igniter, propellant grain, electric connector, or other loading components which does not affect

the physical or functional interchangeability of the motor. In this case, the mod number assigned to the loaded motor is never the same as that assigned to motor metal parts.

Complete Rounds. A complete round is a rocket, assembled with all its components, ready for service use. Designations for complete rounds are determined by combining descriptive terms in the following sequence:

1. Caliber (the nominal outside diameter of the rocket head).
2. Rocket.
3. Mark and mod number of the complete round.
4. Parenthetical phrase describing: the type of craft from which launched, such as Aircraft, Surface; the type of head, such as GP, and PRAC; the type of stabilization, such as SS, and FF.

Mark and mod designations are assigned to the complete rounds of each caliber rocket. Within a caliber, the same mark number is assigned to rounds which meet all of the following conditions.

1. Dimensionally equivalent or interchangeable, so that each fits on the same launcher installation (including electric connector).
2. Essentially equivalent in exterior ballistics.
3. Fitted with a head of the same mark number, and with the same type of load (GP, PRAC, SMOKE).

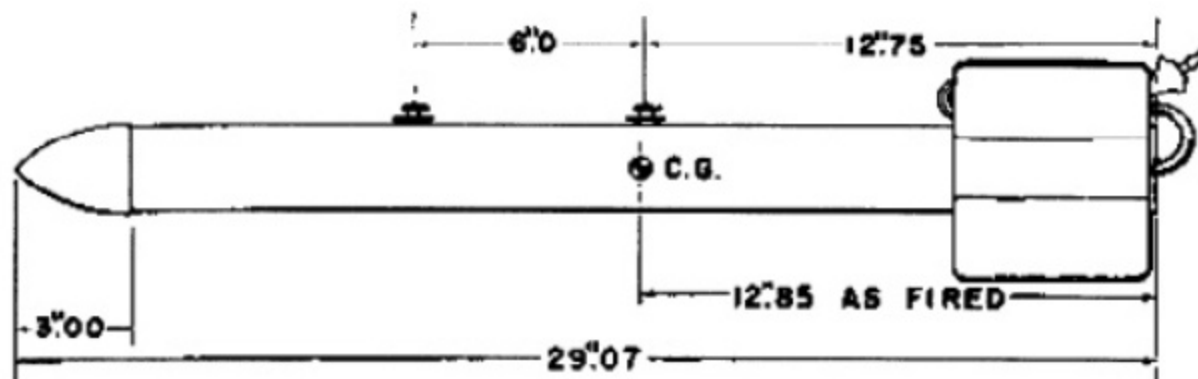
Different mod numbers are assigned to the complete round within a mark series when one or more of the following conditions exist:

1. Different types of fuzing are used (nose only, base only, or nose and base).
2. Different fuze delays are used.
3. The dimensions are similar enough to permit interchangeability on launcher installations, but dissimilar enough to require different stowage and/or handling equipment.
4. The same basic type loaded head with different fillings (WP and FS SMOKE fillings). (This does not apply to entirely different loads such as GP or PRAC loads for the same mark and mod head, which requires a new complete round number.)

Mark and mod designations are not assigned to assemblies containing components identified by experimental designations.

Chapter 2
CURRENT ROUNDS

2.25" ROCKET MK 4 MOD 0 (AIRCRAFT, PRAC, SUBCALIBER)



PURPOSE Forward-fired from aircraft, for practice firing against surface targets. This round simulates trajectories of rockets assembled with 5.0 motors Mk 10 and Mods (HYAR).

PERFORMANCE -- W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	3.2 SEC
BURNT VELOCITY	1110 F/S
BURNING TIME . . . . .	.54 SEC
THRUST (AV)	710 LBS
WT (AS FIRED)	12.47 LBS
WT (BURNT)	10.47 LBS

REFERENCES

ORDNANCE PAMPHLETS

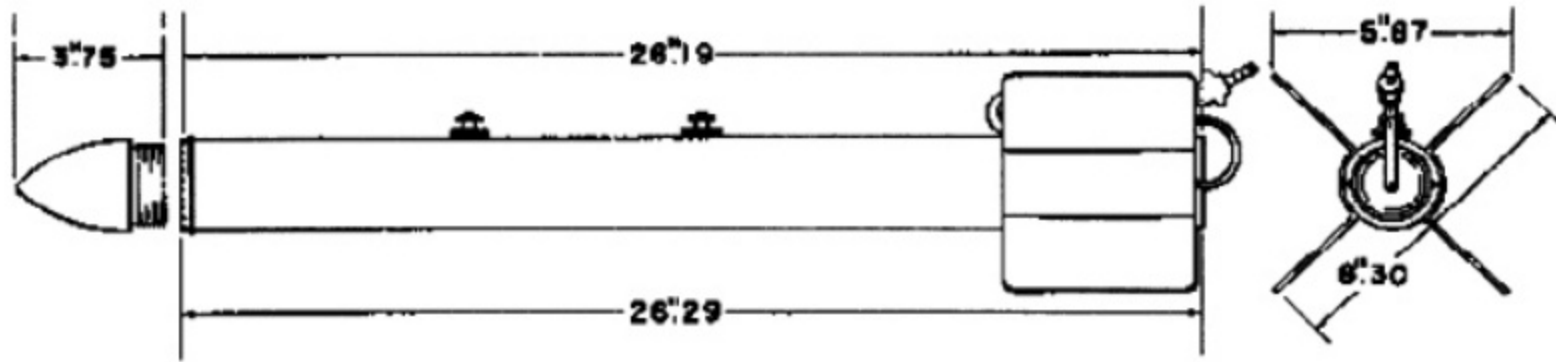
ROCKETS -- OP 1187
 ADAPTER LAUNCHER -- OP 1304, OP 1855, (MK 6), AERO 1A
 LAUNCHERS -- OP 1304, OP 1855, (MK 5, MK 9), AERO 14A
 TRAJECTORY TABLES -- OP 1829

BUORD DRAWINGS (OUTLINE DWG ---)

COMPLETE ROUND		HEAD			MOTOR	
MK & MOD	4-0	3-0	3-2	3-3	15-0	15-2
LOADED						
LIST OF DWGS	----	----	----	----	----	----
GEN ARRGT	----	424977	439208	439490	----	----
EMPTY						
LIST OF DWGS	----	----	----	----	165528	255947
INERT PARTS	----	424977	439208	439490	563171	982553
CONTAINER	*2-0					

*FOR SERVICE ISSUE

2.25 ROCKET MK 4 MOD 0 (Cont'd)



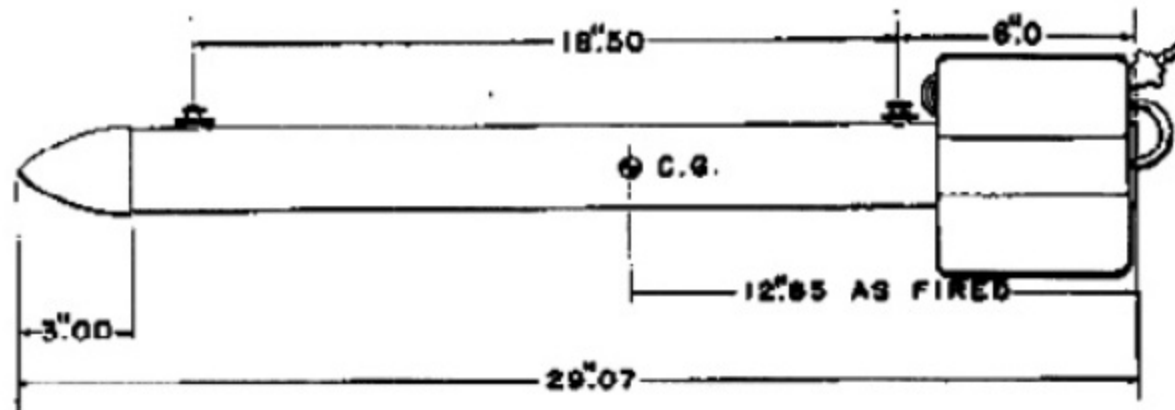
HEAD

AMM LOT PREFIX, NONE	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (SOLID)	3-0	424977			
	3-2	439208	1.60	1.60	1.60
	3-3	439490			

MOTOR

AMM LOT PREFIX, RMBF	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP CAP	---	424968-4	---	0.03	0.03
MOTOR (EMPTY)	15-0	563171	8.60	8.60	8.60
	15-2	928553			
ELECTRICAL CONNECT	12-2	1211706	.19	.19	---
GRID	---	446723	0.18	0.18	0.18
PROPELLANT GRAIN	16-1	424948	1.80	1.80	---
IGNITER	112-0	424986-1			
	112-1	457607	0.08	0.08	---
	112-2	457774			
FRONT CLOSURE CAP	---	424980	0.02	0.02	---
TOTAL WEIGHTS	---	---	10.87	10.90	8.81

2.25 ROCKET MK 6 MOD 0 (AIRCRAFT, PRAC, SUBCALIBER)



PURPOSE Forward-fired from aircraft, for practice firing against surface targets. This round simulates trajectories of rockets assembled with 5.0 motors Mk 10 and Mods (HVAR).

PERFORMANCE — W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	3.2 SEC
BURNT VELOCITY	1110 F/S
BURNING TIME . . . . .	.54 SEC
THRUST (AV)	710 LBS
WT (AS FIRED)	12.46 LBS
WT (BURNT)	10.46 LBS

REFERENCES

ORDNANCE PAMPHLETS

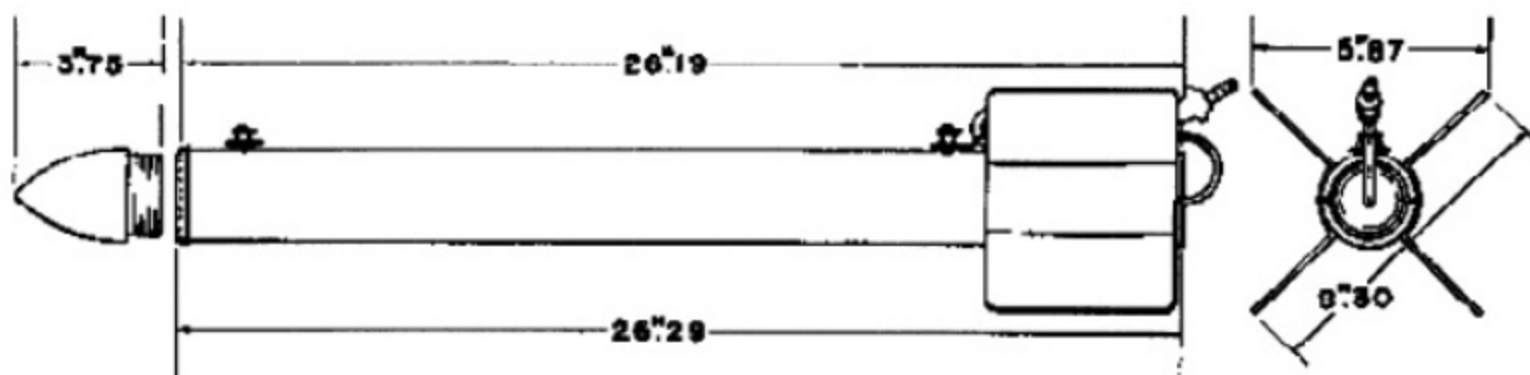
ROCKETS — OP 1187
 ADAPTER (LAUNCHER) — OP 1304, OP 1855, (MK 6), AERO 1A
 LAUNCHERS — OP 1304, OP 1855, (MK 5, MK 9), AERO 14A
 TRAJECTORY TABLES — OP 1829

BUORD DRAWINGS (OUTLINE DWG — — —)

COMPLETE ROUND	HEAD			MOTOR				
	MK & MOD	6-0	3-0	3-2	3-3	16-4	16-5	16-6
LOADED								
LIST OF DWGS	---	---	---	---	---	---	---	---
GEN ARRGT	---	424977	439208	439490	---	---	---	---
EMPTY						(11-1)	(11-0)	(11-2)
LIST OF DWGS	---	---	---	---	---	133171	133160	288504
INERT PARTS	---	424977	439208	439490	467017	424967	982422	---
CONTAINER	* 2-0							

*FOR SERVICE ISSUE

2.25 ROCKET MK 6 MOD 0 (Cont'd)



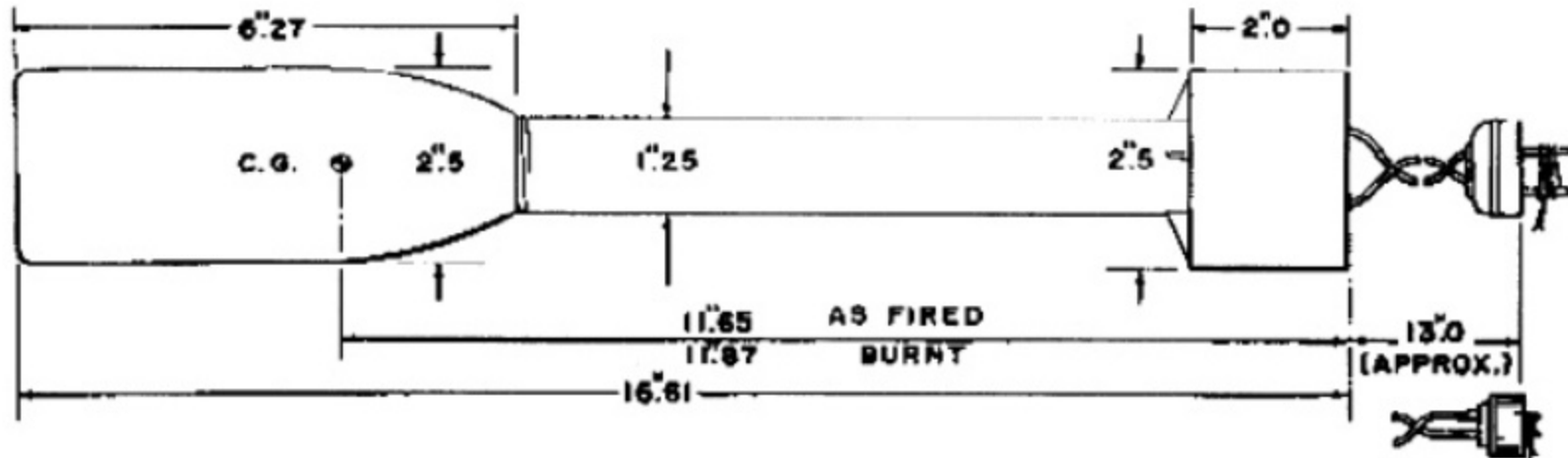
HEAD

AMM LOT PREFIX, NONE	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (SOLID)	3-0	424977			
	3-2	439208	1.60	1.60	1.60
	3-3	439490			

MOTOR

AMM LOT PREFIX, RMBF	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP CAP	---	424968-4	---	0.03	0.03
MOTOR (EMPTY)	11-0	424967			
	11-1	467017	8.60	8.60	8.60
	11-2	982422			
ELECTRICAL CONNECT	10-4	433642	.18	.18	---
GRID	---	446723	0.18	0.18	0.18
PROPELLANT GRAIN	16-1	424989	1.80	1.80	---
IGNITER	112-0	424986-1			
	112-1	457607	0.08	0.08	---
	112-2	457774			
FRONT CLOSURE CAP	---	424980	.02	.02	---
TOTAL WEIGHTS	---	---	10.86	10.89	8.81

2.5 ROCKET MK 1 MOD 2 (SURFACE, PRAC, SUBCALIBER, ASW) MINNIE MOUSE



PURPOSE Forward-fired from surface craft, for practice firing against submarines. This subcaliber round simulates trajectories of the 7.2 rocket (ASW).

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (49° ELEVATION)	286 YDS
TIME OF FLIGHT	7.6 SEC
BURNT VELOCITY	175 F/S
BURNING TIME	.16 SEC
THRUST (AV)	270 LBS
WT (AS FIRED)	8.74 LBS
WT (BURNT)	8.48 LBS

REFERENCES

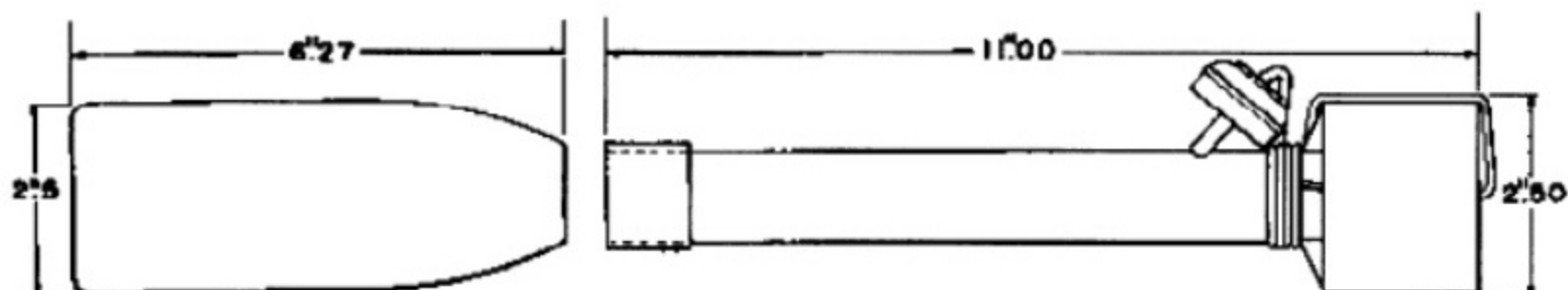
ORDNANCE PAMPHLETS

ROCKETS - OP 1002
 LAUNCHER ADAPTER - OP 1002, OP 1855, (2.5 ROCKET LAUNCHER MK 4)
 LAUNCHERS - OP 1002, OP 1855, (7.2 ROCKET LAUNCHERS MK 20 & MK 22)
 RANGE TABLES - OP 1437

BUORD DRAWINGS (OUTLINE DWG 389044)

COMPLETE ROUND	HEAD		MOTOR
	1-2	1-3	
MK & MOD	1-2	1-3	1-0
LOADED			
LIST OF DWGS	91326	SOLID	108800
GEN ARRGT	330232	---	388837
EMPTY			
LIST OF DWGS	---	108807	108800
INERT PARTS	---	329402-7	329403
CONTAINER	329948	393668	394219

2.5 ROCKET MK 1 MOD 2 (Cont'd)



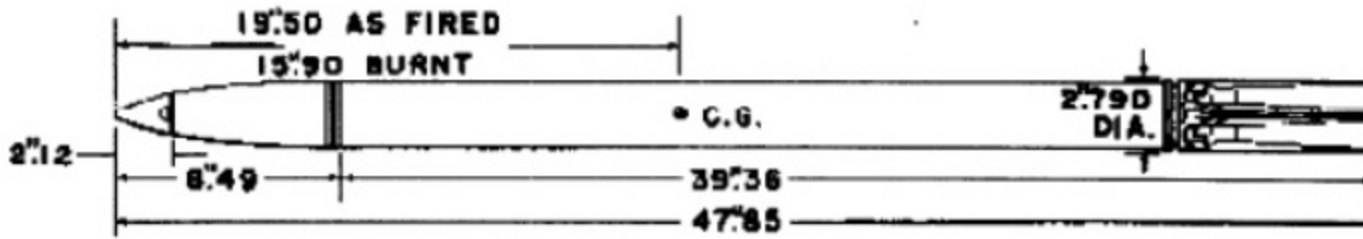
HEAD

AMM LOT PREFIX, NONE	MK 1-2	MK 1-3	WEIGHTS		
	DWG	DWG	AS FIRED	LOADED	INERT PARTS
HEAD (SOLID)	329402-7	329402-8	7.19	7.19	7.19

MOTOR

AMM LOT PREFIX, RMAA	MK 1-0 DWG	WEIGHTS		
		AS FIRED	LOADED	INERT PARTS
MOTOR (EMPTY)	329403	1.27	1.27	1.27
SHORT CIRCUIT WIRE	388831-6			
CONNECTORS	388831-1	.05	.05	---
NOZZLE CLOSURE DISK	388828-7			
DESSICANT BAG	388829-1			
PROPELLENT	MK 4-0 375029-4	.21	.21	---
GRAIN	MK 4-1 375029-41			
IGNITER	MK 105 329404	.02	.02	---
FRONT CLOSURE DISK	388828-1	---	---	---
TOTAL WEIGHTS	---	1.55	1.55	1.27

2.75 ROCKET MK 2 MOD 0 (AIRCRAFT, HE, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against enemy bomber type aircraft.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.99 LBS
WT (BURNT)	12.06 LBS

REFERENCES

ORDNANCE PAMPHLETS

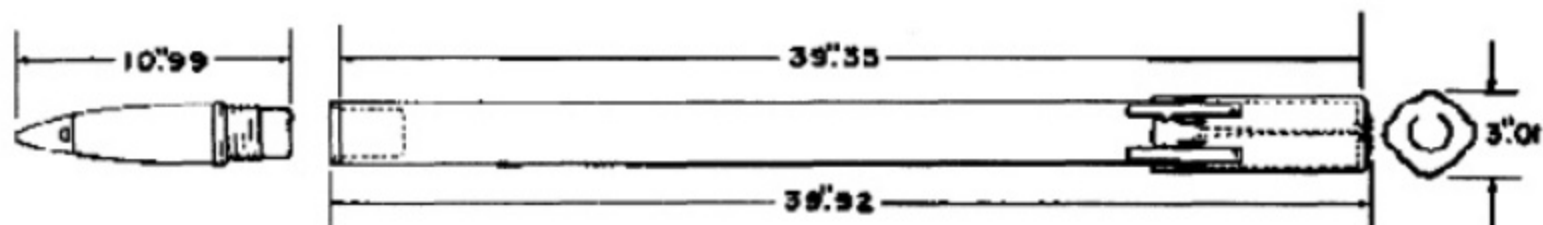
- ROCKETS - OP 1793
- FUZES - OP 1017
- LAUNCHERS - OP 1855, AERO 6
- TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		NOSE FUZE		HEAD				MOTOR	
MK & MOD	2-0	176-0	176-1	1-1	1-3	1-4	1-5	1-3	1-4
LOADED									
LIST OF DWGS	---	174741	268456	174702	---	---	---	174925	174994
GEN ARRGT	---	656269	657739	656227	656227	656227	656227	656139	656688
EMPTY								(1-1)	(1-4)
LIST OF DWGS	---	---	---	174701	174806	255945	255946	174668	174963
INERT PARTS	---	---	---	656195	656047	563186	982414	655949	656626
CONTAINER	1-0	*		12-0				AERO 6A	

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 2 MOD 0 (Cont'd)



HEAD

AMM LOT PREFIX, RHHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062	---	---	.36
	---	394560-18	---	---	
	---	394560-27	---	---	
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	176-0	656269	.75	.75	---
	176-1	657739			
HEAD (EMPTY)	1-1	660853	4.30	4.30	4.30
	1-3	656329			
	1-4	563187			
	1-5	982415			
CAVITY LINER	---	456925	.02	.02	.02
FILLER, HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

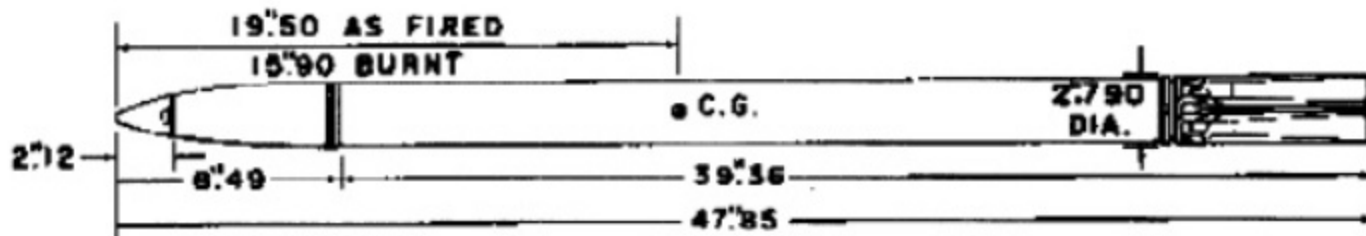
MOTOR

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1)	655950	1.96	1.96	1.96
	(1-4)	656625			
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	31-1	457426	6.60	6.60	---
SPACER	---	457230	.03	.03	---
IGNITER	125-2	457207	.05	.05	---
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861	---	---	---
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS *	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.52	12.82	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.

**SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 2 MOD 1 (AIRCRAFT, HE, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all ground targets except armored types.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.99 LBS
WT (BURNT)	12.06 LBS

REFERENCES

ORDNANCE PAMPHLETS

- ROCKETS - OP 1793
- FUZES - OP 1017
- LAUNCHERS - OP 1855, AERO 6
- TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG ---)

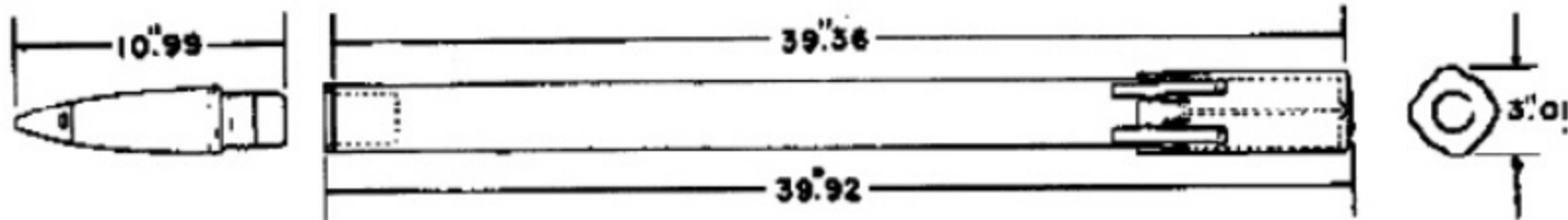
COMPLETE ROUND	NOSE FUZE				HEAD				MOTOR	
	2-1	178-0	178-1	178-2	1-1	1-3	1-4	1-5	1-3	1-4
LOADED										
LIST OF DWGS	---	174861	174812	268460	174702	---	---	---	174925	174994
GEN ARRGT	---	657178	656065	657735	656227	656227	656227	656227	656139	656688
EMPTY									(1-1)	(1-4)
LIST OF DWGS	---	---	---	---	174701	174806	255945	255946	174668	174963
INERT PARTS	---	---	---	---	656195	656047	563186	982414	655949	656676
CONTAINER	1-0	*			12-0				AERO 6A	

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 2 MOD 1 (Cont'd)



2.75 ROCKET MK 2 MOD 1 (Cont'd)



HEAD

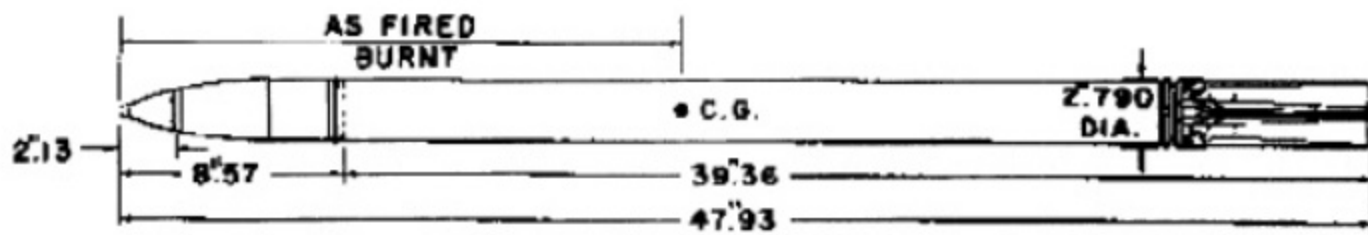
AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062	---	---	---
	---	394560-18	---	---	.36
	---	394560-27	---	---	---
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	178-0	657178	.75	.75	---
	178-1	656065			
	178-2	657735			
HEAD (EMPTY)	1-1	660853	4.30	4.30	4.30
	1-3	656329			
	1-4	563187			
	1-5	982415			
CAVITY LINER	---	456925	.02	.02	.02
FILLER, HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

MOTOR

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1)	655950	1.96	1.96	1.96
	(1-4)	656625			
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	31-1	457426	6.60	6.60	---
SPACER	---	457230	.03	.03	---
IGNITER	125-2	457207	.05	.05	---
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861	---	---	---
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS *	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.52	12.82	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.
 **SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 3 MOD 0 (AIRCRAFT , HEAT , FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all but the heaviest types of armored ground targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	18.12 LBS
WT (BURNT)	12.19 LBS

REFERENCES

ORDNANCE PAMPHLETS

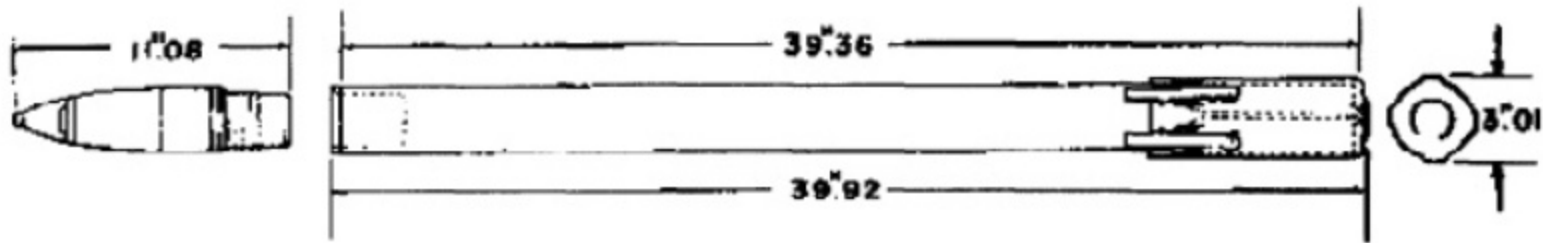
- ROCKETS - OP 1793
- FUZES - OP 1017
- LAUNCHERS - OP 1855, AERO 6
- TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		NOSE FUZE	HEAD	MOTOR	
MK & MOD	3-0	181-0	5-0	1-3	1-4
LOADED					
LIST OF DWGS	- - -	291708	256096	174925	174994
GEN ARRGT	- - -	1378092	1350663	656139	656688
EMPTY				(1-1)	(1-4)
LIST OF DWGS	- - -	- - -	288503	174668	174963
INERT PARTS	- - -	- - -	1350650	655949	656626
CONTAINER	1-0	*	12-0	AERO 6A	

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 3 MOD 0 (Cont'd)



HEAD

AMM LOT PREFIX, RHHC	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE FUZE	181-0	1378092	.82	.82	---
HEAD (EMPTY)	5-0	1350560	4.86	4.86	4.86
FILLER (COMP B)	---	---	.89	.89	---
BOOSTER PELLET	---	1123945			
BOOSTER PAD	---	1123946	.03	.03	---
FILLER PAD	---	1123947			
TOTAL WEIGHTS	---	---	6.60	6.60	4.86

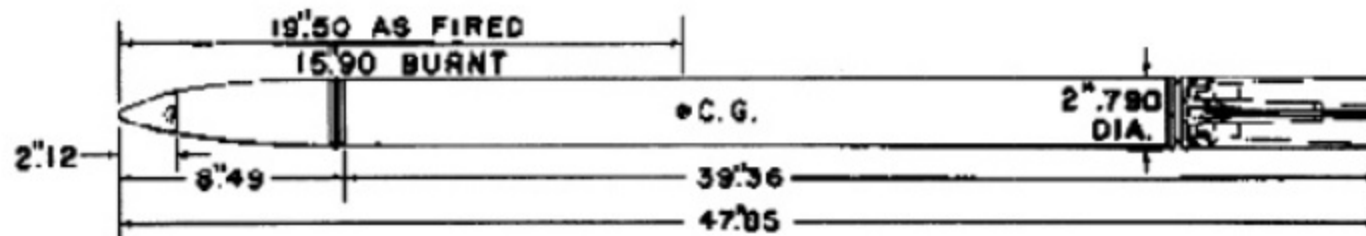
MOTOR

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	1123860	---	.59	.59**
MOTOR (EMPTY)	(1-1) (1-4)	655950 656625	1.96	1.96	1.96
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	31-1	457426	6.60	6.60	---
SPACER	---	457230	.03	.03	---
IGNITER	125-2	457207	.05	.05	---
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861			
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS	*	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.52	12.85	5.93

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.

**SHIPPED SEPARATELY IN O-RING AND LOCKWIRE CONTAINER.

2.75 ROCKET MK 4 MOD 0 (AIRCRAFT, HE, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against enemy bomber type aircraft.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.79 LBS
WT (BURNT)	12.06 LBS

REFERENCES

ORDNANCE PAMPHLETS

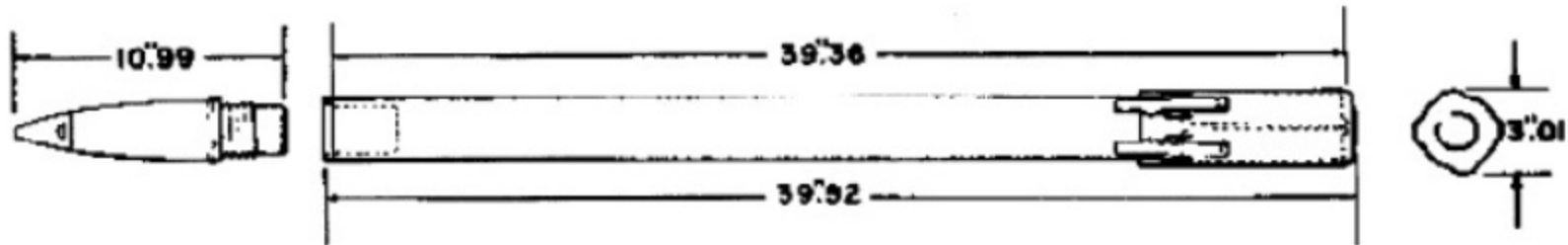
ROCKETS - OP 1793
FUZES - OP 1017
LAUNCHERS - OP 1855, AERO 6
TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG ---)

COMPLETE ROUND	NOSE FUZE		HEAD				MOTOR					
	MK & MOD	4-0	176-0	176-1	1-1	1-3	1-4	1-5	2-0	2-1	2-2	2-3
LOADED												
LIST OF DWGS	---	174741	268456	174702	---	---	---	---	175025	175013	175014	175024
GEN ARRGT	---	656269	657739	656227	656227	656227	656227	656708	656696	656705	656707	656707
EMPTY									(1-1)	(1-1)	(1-4)	(1-4)
LIST OF DWGS	---	---	---	174701	174806	255945	255946	174668	174668	174963	174963	174963
INERT PARTS	---	---	---	656195	656047	563186	982414	655949	655949	656626	656626	656626
CONTAINER	1-0		*	12-0				AERO 6A				

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 4 MOD 0 (Cont'd)



HEAD

AMM LOT PREFIX, RHHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062 394560-18 394560-27	---	---	.36
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	176-0 176-1	656269 657739	.75	.75	---
HEAD (EMPTY)	1-3*	656329	4.30	4.30	4.30
CAVITY LINER	---	456925	.02	.02	.02
FILLER HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

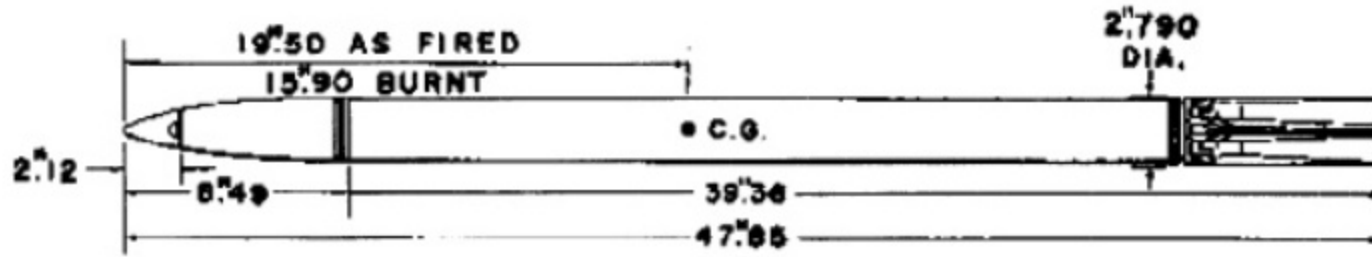
*MK 1 MOD 1, DWG 660853; MK 1 MOD 4, DWG 563187; MK 1 MOD 5, DWG 982415 ALSO APPLY.

MOTOR

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1) (1-4)	655950 656625	1.96	1.96	1.96
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	43-0 43-1	656697 656706	6.40	6.40	---
SPACER	---	457230	.03	.03	---
IGNITER	125-2 125-4	457207 457888	.05	.05	---
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861	---	---	---
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS *	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.32	12.62	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.
 **SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 4 MOD 1 (AIRCRAFT, HE, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all ground targets except armored types.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST(AV)	720 LBS
WT (AS FIRED)	17.79 LBS
WT (BURNT)	12.06 LBS

REFERENCES

ORDNANCE PAMPHLETS

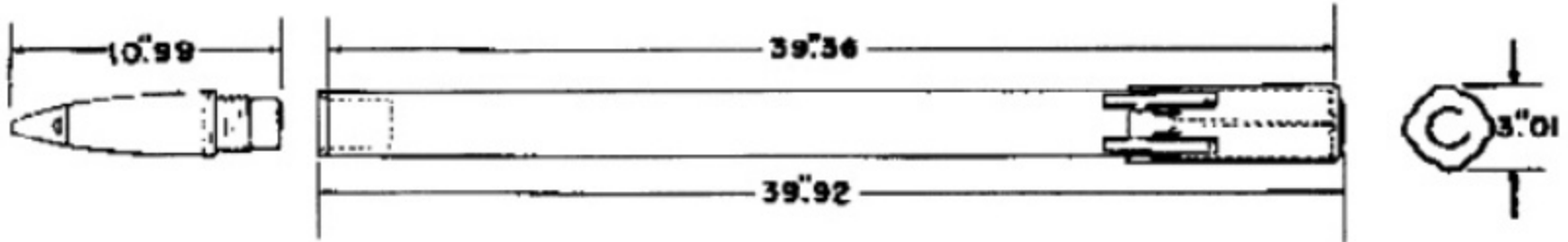
- ROCKETS - OP 1793
- FUZES - OP 1017
- LAUNCHERS - OP 1855, AERO 6
- TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND	NOSE FUZE			HEAD				MOTOR					
	MK & MOD	4-1	178-0	178-1	178-2	1-1	1-3	1-4	1-5	2-0	2-1	2-2	2-3
LOADED													
LIST OF DWGS	---	174861	174812	268460	174702	---	---	---	---	175025	175013	175014	175024
GEN ARRGT	---	657178	656065	657735	656227	---	---	---	---	656708	656696	656705	656707
EMPTY										(1-1)	(1-1)	(1-4)	(1-4)
LIST OF DWGS	---	---	---	---	174701	174806	255945	255946	174668	174668	174963	174963	
INERT PARTS	---	---	---	---	656195	656047	563186	982414	655949	655949	656624	656626	
CONTAINER	1-0	*			12-0				AERO 6A				

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 4 MOD 1 (Cont'd)



HEAD

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062	---	---	---
	---	394560-18	---	---	.36
	---	394560-27	---	---	---
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	178-0	657178	.75	.75	---
	178-1	656065			
	178-2	657735			
HEAD (EMPTY)	1-3 *	656329	4.30	4.30	4.30
CAVITY LINER	---	456925	.02	.02	.02
FILLER HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

*MK 1 MOD 1, DWG 660853; MK 1 MOD 4, DWG 563187; MK 1 MOD 5, DWG 982415 ARE APPLICABLE.

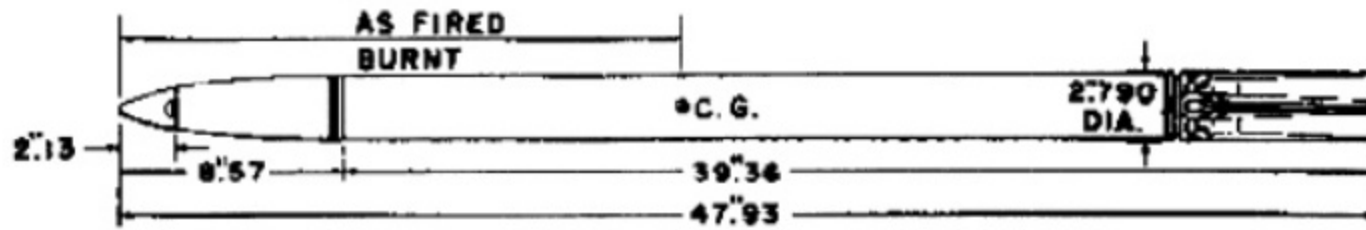
MOTOR

AMM LOT PREFIX, RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1)	655950	---	1.96	---
	(1-4)	656625			
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	43-0	656697	6.40	6.40	---
	43-1	656706			
SPACER	---	457230	.03	.03	---
IGNITER	125-2	457207	.05	.05	---
	125-4	457888			
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861			
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.32	12.62	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.

**SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 5 MOD 0 (AIRCRAFT, HEAT, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all but the heaviest types of armored ground targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.92 LBS
WT (BURNT)	12.19 LBS

REFERENCES

ORDNANCE PAMPHLETS

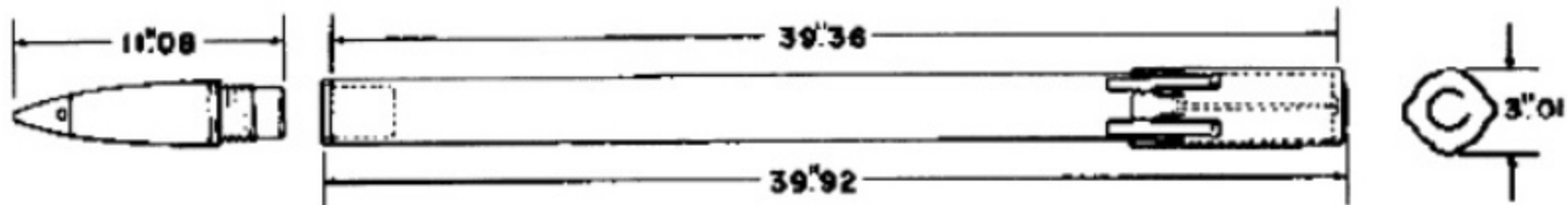
ROCKETS - OP 1793
FUZES - OP 1017
LAUNCHERS - OP 1855, AERO 6
TRAJECTORY TABLE - OP 1998

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND	FUZE	HEAD	MOTOR				
			2-0	2-1	2-2	2-3	
MK & MOD	5-0	181-0	5-0	2-0	2-1	2-2	2-3
LOADED							
LIST OF DWGS	- - -	291708	256096	175025	175013	175014	175024
GEN ARRGT	- - -	1378092	1350663	656708	656696	656705	656707
EMPTY				(1-1)	(1-1)	(1-4)	(1-4)
LIST OF DWGS	- - -	- - -	288503	174668	174668	174963	174963
INERT PARTS	- - -	- - -	1350650	655949	655949	656626	656626
CONTAINER	1-0	*	12-0	AERO 6A			

*FUZE ASSEMBLED TO HEAD

2.75 ROCKET MK 5 MOD 0 (Cont'd)



HEAD

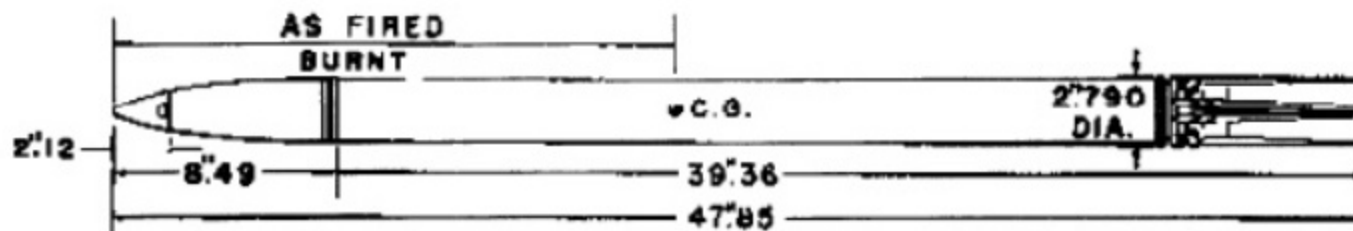
AMM LOT PREFIX,RMHC	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE FUZE	181-0	1378092	.82	.82	---
HEAD (EMPTY)	5-0	1350560	4.86	4.86	4.86
FILLER (COMP B)	---	---	.89	.89	---
BOOSTER PELLET	---	1123945			
BOOSTER PAD	---	1123946	.03	.03	---
FILLER PAD	---	1123947			
TOTAL WEIGHTS	---	---	6.60	6.60	4.86

MOTOR

AMM LOT PREFIX,RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1) (1-4)	655950 655625	1.96	1.96	1.96
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	656901		.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING		650935	.01	.01	---
PROPELLANT GRAIN	43-0 43-1	656697 656706	6.40	6.40	---
SPACER	---	457230	.03	.03	---
IGNITER	125-2 125-4	457207 457888	.05	.05	---
ROD ASSY	---	651570	.18	.18	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861			
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.32	12.62	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.
 **SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 6 MOD 0 (AIRCRAFT, HE, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against enemy bomber type aircraft.

PERFORMANCE — W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80° F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.92 LBS
WT (BURNT)	12.19 LBS

REFERENCES

ORDNANCE PAMPHLETS

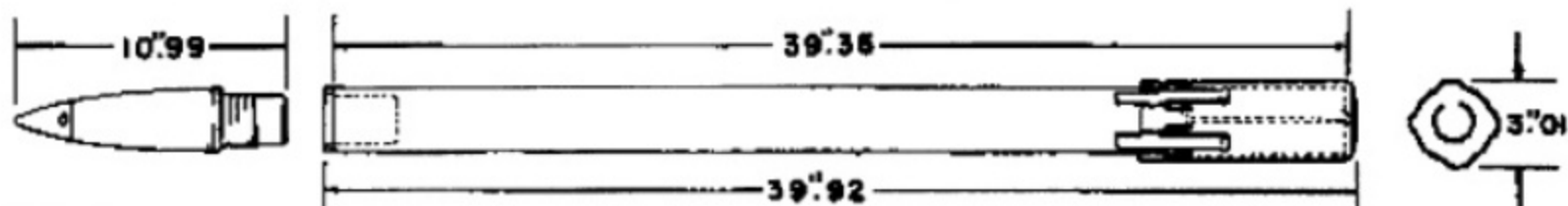
ROCKETS — OP 1793
FUZES — OP 1017
LAUNCHERS — OP 1855, AERO 6
TRAJECTORY TABLE — OP 1998

BUORD DRAWINGS (OUTLINE DWG — — —)

COMPLETE ROUND		NOSE FUZE		HEAD				MOTOR			
MK & MOD	6-0	176-0	176-1	1-1	1-3	1-4	1-5	3-0	3-1	3-2	3-3
LOADED											
LIST OF DWGS	---	174741	268456	174702	---	---	---	268493	268494	268495	268496
GEN ARRGT	---	656269	657739	656227	656227	656227	656227	656841	656842	656843	656844
EMPTY								(1-1)	(1-4)	(1-1)	(1-4)
LIST OF DWGS	---	---	---	174701	174806	255945	255946	174668	174963	174668	174963
INERT PARTS	---	---	---	656195	656047	563186	982414	655949	656626	655949	656626
CONTAINER	1-0	*		12-0				AERO 6A			

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 6 MOD 0 (Cont'd)



HEAD

AMM LOT
PREFIX, RHHA

	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062	---	---	.36
	---	394560-18	---	---	
	---	394560-27	---	---	
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	176-0	656269	.75	.75	---
	176-1	657739			
HEAD (EMPTY)	1-3*	656329*	4.30		
CAVITY LINER	---	465925	.02		
FILLER HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

*MK 1 MOD 1, DWG 660853; MK 1 MOD 4, DWG 563187; MK 1 MOD 5, DWG 982415 ALSO APPLY.

MOTOR

AMM LOT
PREFIX, RMHA

	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1)	655950	1.96		
	(1-4)	656625			
NOZZLES & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	43-0	656697	6.40	6.40	---
	43-1	656706			
SPACER	---	457230	.03	.03	---
IGNITER	125-4	457888	.05	.05	---
ROD ASSY	---	457987	.23	.23	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861	.03	.03	---
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC. ITEMS	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.40	12.70	5.90

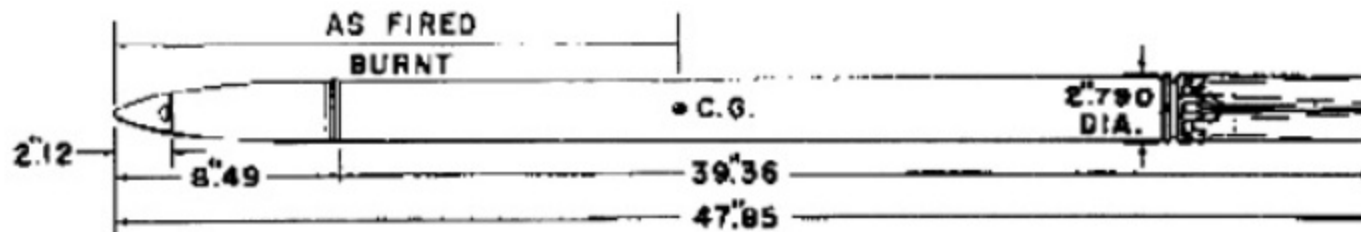
*INCLUDES CHARGE SUPPORT, SPACER, ELECTRICAL TAPE & CONNECTORS.

**SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 6 MOD 1

(AIRCRAFT, HE, FF)

MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all ground targets except armored types.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80 °F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.92 LBS
WT (BURNT)	12.19 LBS

REFERENCES

ORDNANCE PAMPHLETS

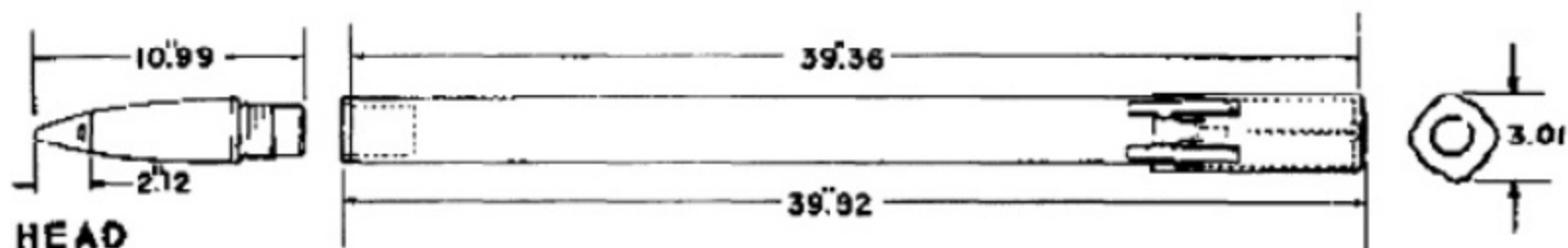
- ROCKETS - OP 1793
- FUZES - OP 1017
- LAUNCHERS - OP 1855, AERO 6
- TRAJECTORY TABLE - OP 1998

BUORD DRAWINGS (OUTLINE DWG ---)

COMPLETE ROUND		NOSE FUZE			HEAD				MOTOR			
MK & MOD	6-1	178-0	178-1	178-2	1-1	1-3	1-4	1-5	3-0	3-1	3-2	3-3
LOADED												
LIST OF DWGS	---	174861	174812	268460	174702	---	---	---	268493	268494	268495	268496
GEN ARRGT	---	657178	656065	657735	656227	656227	656227	656227	655841	656842	656843	656844
EMPTY									(1-1)	(1-4)	(1-1)	(1-4)
LIST OF DWGS	---	---	---	---	174701	174806	255945	255946	174668	174963	174668	174963
INERT PARTS	---	---	---	---	656195	656047	563106	982414	655949	656626	655949	656626
CONTAINER	7-0	*			12-0				AERO 6A			

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 6 MOD 1 (Cont'd)



HEAD

AMM LOT PREFIX,RHHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	651062	---	---	---
	---	394560-18	---	---	.36
	---	394560-27	---	---	---
NOSE GASKET	---	651231	---	---	---
NOSE FUZE	178-0	657178	---	---	---
	178-1	656065	.75	.75	---
	178-2	657735	---	---	---
HEAD (EMPTY)	1-3*	656329	4.30	4.30	4.30
CAVITY LINER	---	456925	.02	.02	.02
FILLER HBX-1	---	---	1.40	1.40	---
TOTAL WEIGHTS	---	---	6.47	6.47	4.68

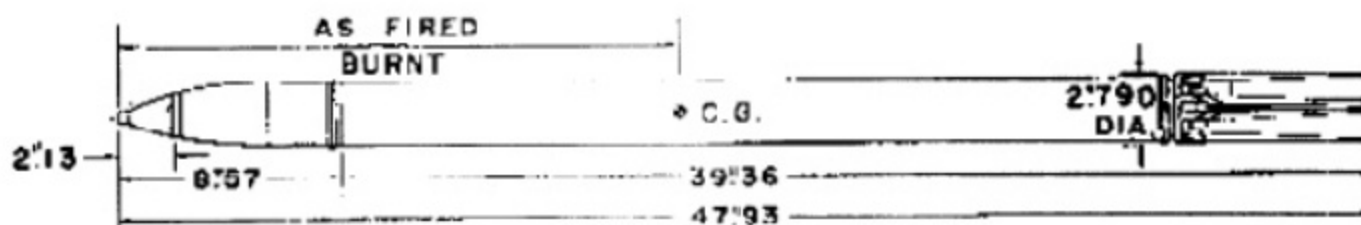
*MK 1 MOD 1, DWG 660853; MK 1 MOD 4, DWG 563187; MK 1 MOD 5, DWG 982415 ALSO APPLY.

MOTOR

AMM LOT PREFIX,RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	650921	---	.56	.56**
MOTOR (EMPTY)	(1-1)	655950	1.96	1.96	1.96
	(1-4)	656625	---	---	---
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	456901	---	.74	.74**
LOCKWIRES, (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	43-0	656697	6.40	6.40	---
	43-1	656706	---	---	---
SPACER	---	457230	.03	.03	---
IGNITER	125-4	457888	.05	.05	---
ROD ASSY	---	457987	.23	.23	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861			
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS *	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.40	12.70	5.90

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE & CONNECTORS.
 **SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

2.75 ROCKET MK 7 MOD 0 (AIRCRAFT HEAT, FF) MIGHTY MOUSE



PURPOSE Forward-fired from aircraft, for attack against all but the heaviest types of armored ground targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 80 °F

TIME TO 1000 YDS	2.2 SEC
BURNT VELOCITY	2300 F/S
BURNING TIME	1.69 SEC
THRUST (AV)	720 LBS
WT (AS FIRED)	17.92 LBS
WT (BURNT)	12.19 LBS

REFERENCES

ORDNANCE PAMPHLETS

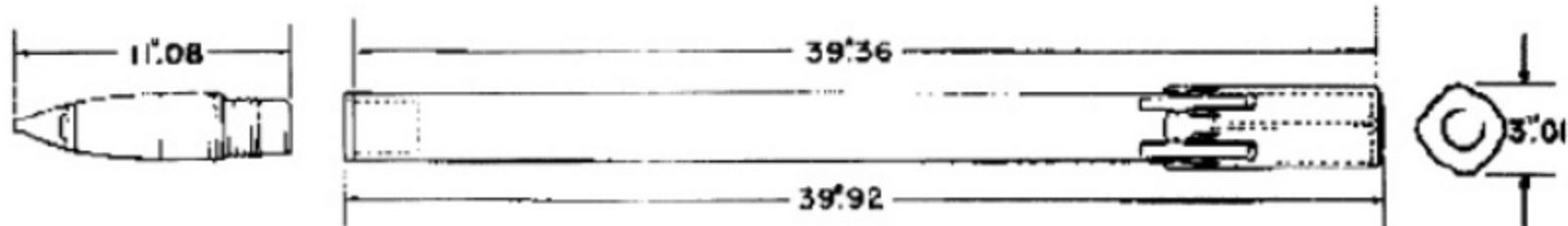
ROCKETS -OP 1793
FUZES -OP 1017
LAUNCHERS -OP 1855, AERO 6
TRAJECTORY TABLES - OP 1998

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		NOSE FUZE	HEAD	MOTOR			
MK & MOD	7-0	181-0	5-0	3-0	3-1	3-2	3-3
LOADED							
LIST OF DWGS	- - -	291708	256096	268493	268494	268495	268496
GEN ARRGT	- - -	1378092	1350663	656841	656842	656843	656844
EMPTY							
LIST OF DWGS	- - -	- - -	288503	(1-1)	(1-4)	(1-1)	(1-4)
INERT PARTS	- - -	- - -	1350650	655949	656626	655949	656626
CONTAINER	1-0	.	12-0	AERO 6A			

*FUZE ASSEMBLED TO HEAD.

2.75 ROCKET MK 7 MOD 0 (Cont'd)



HEAD

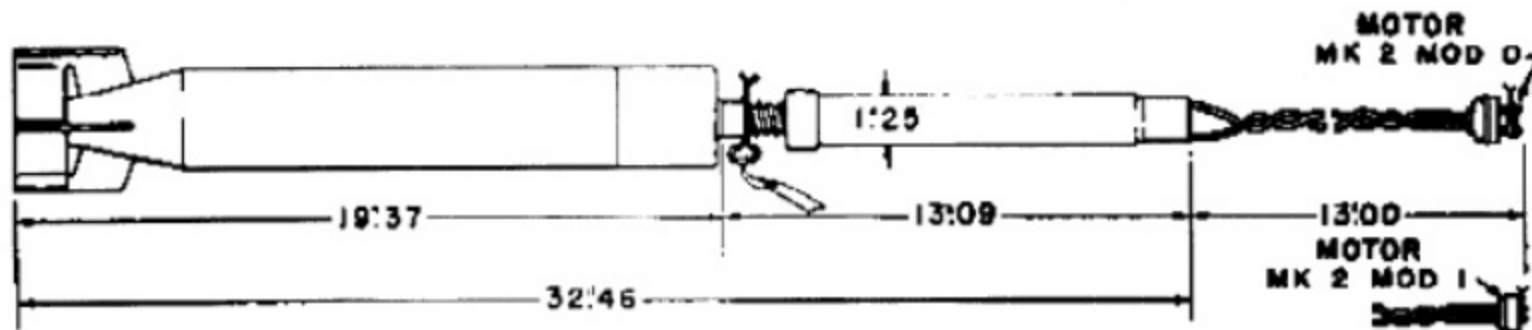
AMM LOT PREFIX.RHHC	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE FUZE	181-0	1378092	.82	.82	
HEAD (EMPTY)	5-0	1350560	4.86	4.86	4.86
FILLER (COMP B)	---	---	.89	.89	---
BOOSTER PELLET	---	1123945	.03	.03	---
BOOSTER PAD	---	1123946			
FILLER PAD	---	1123947			
TOTAL WEIGHTS	---	---	6.60	6.60	4.86

MOTOR

AMM LOT PREFIX.RMHA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD SHIP SUPPORT	---	1123860	---	.59	.59**
MOTOR (EMPTY)	(1-1) (1-4)	655950 656625	1.96	1.96	1.96
NOZZLE & FIN ASSY	---	655951	1.88	1.88	1.88**
FIN PROTECTOR	---	656901	---	.74	.74**
LOCKWIRES (2)	---	457822	.04	.04	.04**
O-RINGS (2)	---	1127114	.01	.01	.01**
SEAL RING	---	650935	.01	.01	---
PROPELLANT GRAIN	43-0 43-1	656697 656706	6.40	6.40	---
SPACER	---	457230	.03	.03	---
IGNITER	125-4	457888	.05	.05	---
ROD ASSY	---	457987	.23	.23	---
SUPPORT RING	---	457860	.03	.03	---
SUPPORT DISK	---	457861			
HEAD CLOSURE	---	456913	.71	.71	.71**
MISC ITEMS *	---	---	.02	.02	---
TOTAL WEIGHTS	---	---	11.40	12.70	5.93

*INCLUDES CHARGE SUPPORT SPACER, ELECTRICAL TAPE, & CONNECTORS.
 **SHIPPED SEPARATELY IN O-RING & LOCKWIRE CONTAINER.

3" ROCKET MK 15 MODS 0, 1 (AIRCRAFT, NIGHT, DRIFT SIGNAL ROCKET, RETRO-300 F/S)



PURPOSE Retro-fired at 300 F/S from aircraft, resulting in a vertical drop from the firing point onto the target. The flare ignites 10 to 20 seconds after firing and burns for 10 to 15 minutes.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

BURNT VELOCITY.	300 F/S
BURNING TIME	.16 SEC
THRUST (AV)	270 LBS
WT (AS FIRED).	4.80 LBS
WT (BURNT)	4.54 LBS
MOTOR SEPARATES FROM HEAD AT END OF BURNING	

REFERENCES

ORDNANCE PAMPHLETS

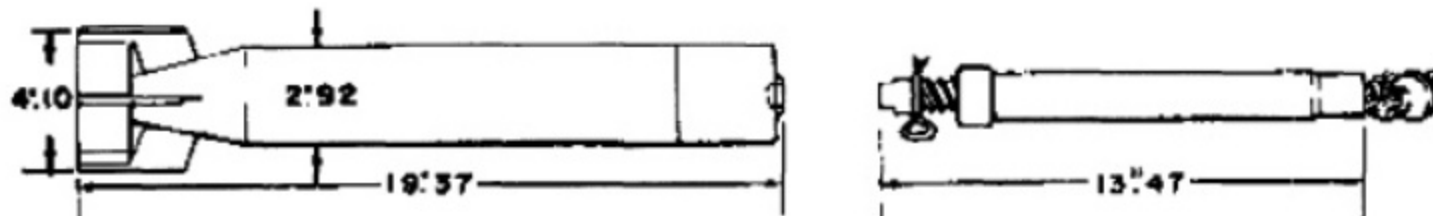
ROCKETS - OH1 AY20-43 ASSEMBLING INSTRUCTIONS
LAUNCHERS - OP 1855, AIRCRAFT ROCKET LAUNCHER MK 2

BUORD DRAWINGS (OUTLINE DWG 389039)

COMPLETE	ROUND	HEAD	MOTOR
MK & MOD	15-0, 1	5-4	2-0, 1
LOADED			
LIST OF DWGS	108811	102937	---
GEN ARRGT	375030	375030	375026
EMPTY			
LIST OF DWGS	---	---	108664
INERT PARTS	---	---	375027
CONTAINER	---	---	2-0 2-1

MK 15-0 (WITH MOTORS MK 2 MOD 0) HAS HOUSEHOLD-TYPE ELECT-CONNECTOR.
MK 15-1 (WITH MOTORS MK 2 MOD 1) HAS AN-TYPE ELECT-CONNECTOR.

3.0 ROCKET MK 15 MODS 0, 1 (Cont'd)



HEAD

AMM LOT
PREFIX, NONE

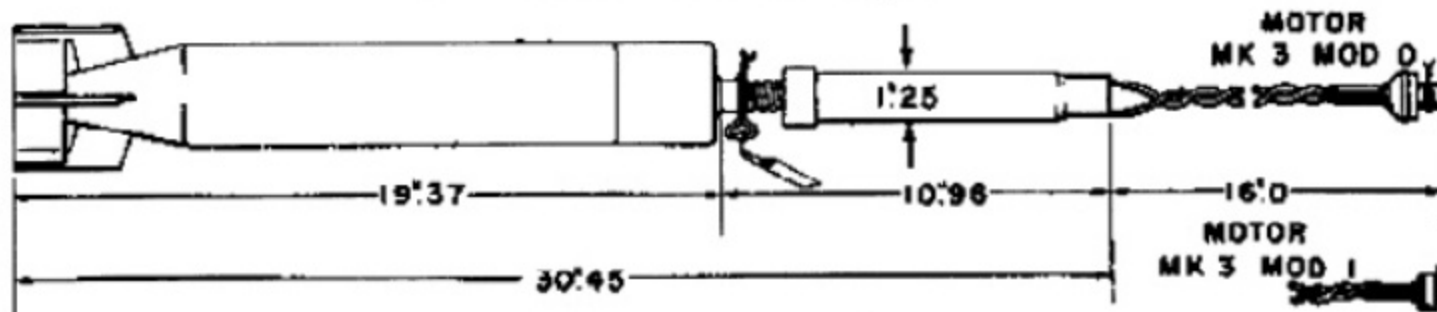
	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	344552-2	---	---	---
SEALING DISC	---	344552-3	---	---	---
HEAD MK 5 MOD 4	---	344551	3.00	---	---
TOTAL WEIGHTS	---	---	3.00	---	---

MOTOR

AMM LOT
PREFIX, RMAB, RMAE

	(RMAB)	(RMAE)	WEIGHTS		
	MK 2-0 DWG	MK 2-1 DWG	AS FIRED	LOADED	INERT PARTS
CAP & SPRING DETAILS	375028	375028	---	---	---
MOTOR (EMPTY)	375027	375027	---	---	---
ELECTRICAL CONN	388831-1	388831-2	---	---	---
REAR CLOSURE	388828-7	388828-7	---	---	---
DESSICANT BAG	388829-1	388829-1	---	---	---
GRID DETAILS	388826-1	388826-1	---	---	---
IGNITER MK 105 MOD 0, 1	329404	329404	(.02)	(.02)	---
FRONT CLOSURE	288828-1	288828-1	---	---	---
GRAIN MK 4 MOD 1	375029	375029	(.21)	(.21)	---
TOTAL WEIGHTS	---	---	---	---	---

3" ROCKET MK 16 MODS 0, 1 AIRCRAFT, NIGHT, DRIFT SIGNAL ROCKET, RETRO-200 F/S



PURPOSE Retro-fired at 200 F/S from aircraft, resulting in a vertical drop from the firing point onto the target. The flare ignites 10 to 20 seconds after firing and burns for 10 to 15 minutes.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

BURNT VELOCITY	200 F/S
BURNING TIME	.15 SEC
THRUST (AV)	200 LBS
WT (AS FIRED)	4.55 LBS
WT (BURNT)	4.35 LBS
MOTOR SEPARATES FROM HEAD AT END OF BURNING	

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OHI AV 20-43 ASSEMBLING INSTRUCTIONS
LAUNCHERS - OP 1855, AIRCRAFT ROCKET LAUNCHER MK 2

BUORD DRAWINGS (OUTLINE DWG 389041)

	COMPLETE ROUND	HEAD	MOTOR
MK & MOD	16-0, 1*	5-4	3-0, 1
LOADED			
LIST OF DWGS	108812	102937	---
GEN ARRGT	389040	375040	388832
EMPTY			
LIST OF DWGS	---	---	---
INERT PARTS	---	---	388833
CONTAINER	---	---	3-0, 1

*MK 16-0 (WITH MOTOR MK 16 MOD 0) HAS HOUSEHOLD-TYPE ELLLY. CONNECTOR,
MK 16-1 (WITH MOTOR MK 16 MOD 1) HAS AN-TYPE ELECT. CONNECTOR.

3.0 ROCKET MK 16 MODS 0, 1 (Cont'd)



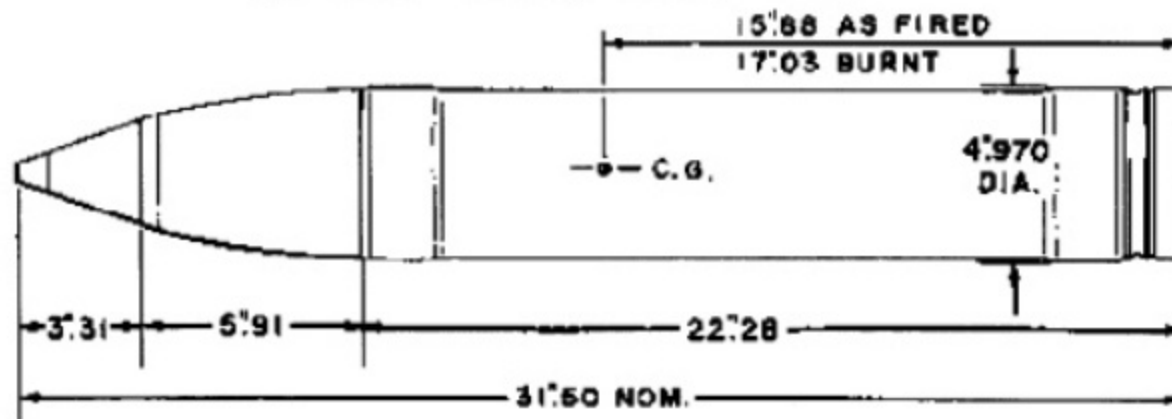
HEAD

AMM LOT PREFIX, NONE	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	344552-2	---	---	---
SEALING DISK	---	344552-3	---	---	---
HEAD	5-4	375040	3.00	---	---
TOTAL WEIGHTS	---	---	3.00	---	---

MOTOR

AMM LOT PREFIX, RMAC, RMAG	(RMAC)	(RMAG)	WEIGHTS		
	MK 3-0 DWG	MK 3-1 DWG	AS FIRED	LOADED	INERT PARTS
CAP & SPRING DETAILS	375028	375028	---	---	---
MOTOR (EMPTY)	388833	388833	---	---	---
ELECTRICAL CONN	388831-1	388831-2	---	---	---
REAR CLOSURE	388828-7	388828-7	---	---	---
DESSICANT BAG	388829-1	388829-1	---	---	---
GRID DETAILS	388826-1	388826-1	---	---	---
IGNITER MK 705 MOD 0	329404	329404	(.02)	(.02)	---
FRONT CLOSURE	288828-1	288828-1	---	---	---
GRAIN MK 5 MOD 1	375029-5	375029-5	(.19)	(.19)	---
TOTAL WEIGHTS	---	---	---	---	---

5" ROCKET MK 7 MOD 2 (SURFACE, HE, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic launchers, against small surface targets, shore installations, and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	10050 YDS
BURNT VELOCITY	1387 F/S
BURNING TIME	1.07 SEC
THRUST (AV)	2080 LBS
WT (AS FIRED)	49.61 LBS
WT (BURNT)	39.07 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1017

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855 (LAUNCHERS GENERAL)

RANGE TABLE OP 2031

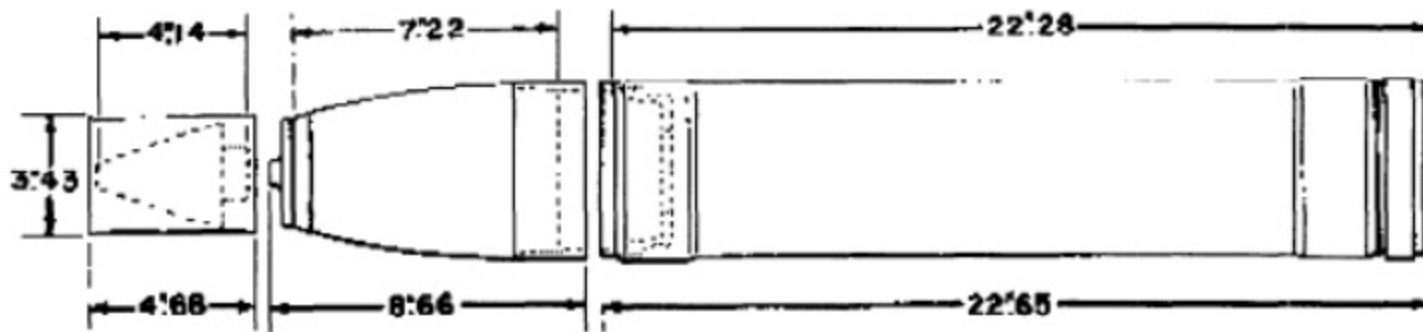
BUORD DRAWINGS (OUTLINE DWG 467114)

COMPLETE	ROUND	NOSE FUZE	ADF	HEAD			* MOTOR	
MK & MOD	7-2	100-2	44-2	7-1	7-2	7-3	3-1	3-4
LOADED								
LIST OF DWGS	---	165472	165193	165261	165261	165261	166301	174608
GEN ARRGT	467113	562303	440406	561528	561528	561528	467046	655916
EMPTY								
LIST OF DWGS	---	---	---	166340	166341	166382	186300	174607
INERT PARTS	---	---	---	462617	462619	467178	467047	655915
CONTAINER	** 10-0	17-0	18-0	13-0			19-0	

*5" ROCKET MOTORS MK 3 MODS 0 AND 2 (NOT INDICATED) ARE APPLICABLE.

**FOR SERVICE ISSUE

5.0 ROCKET MK 7 MOD 2 (Cont'd)



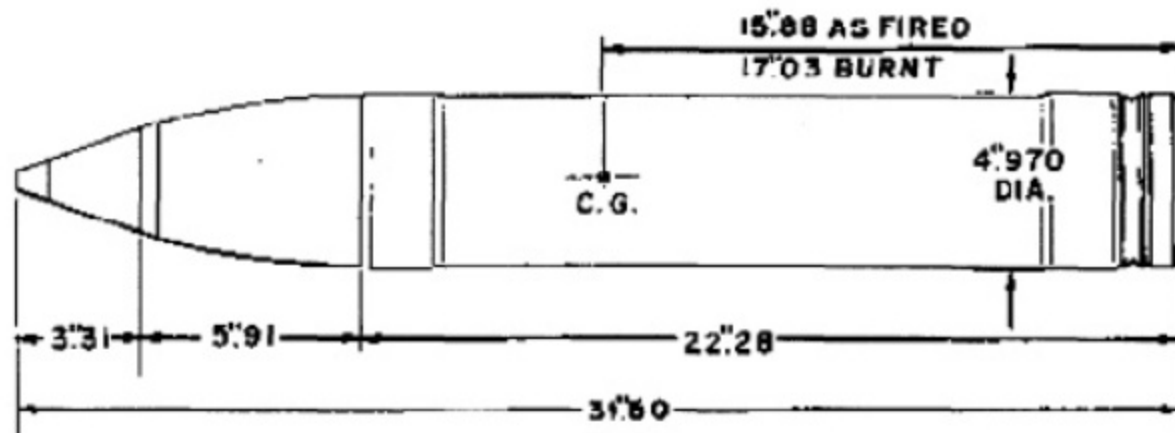
HEAD

AMM LOT PREFIX,RHCO	MK & MOD	DRAWING			WEIGHTS		
		7-1	7-2	7-3	AS FIRED	LOAD	INERT
SHIPPING PLUG	---	434040	434040	434040	---	1.16	1.16
GASKET	---	483515	483515	483515	---	---	---
NOSE FUZE	100-2	562303	562303	562303	1.60	---	---
AUX DETONATOR	44-2	440406	440406	440406	.50	.50	---
NOSE ADAPTER	---	451344	451344	454637	1.57	1.57	1.57
HEAD (EMPTY)	---	467123	467124	467178	12.50	12.50	12.50
FILLER (TNT)	---	---	---	---	2.85	2.85	---
GAS CHECK	---	140960	---	140960	---	---	---
THREAD PROT	---	434529	434529	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	---	---	19.02	19.83	16.48

MOTOR

AMM LOT PREFIX,RMDB	DRAWING		WEIGHTS		
	MK 3-1	MK 3-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457383 451342	457383 451342	---	---	---
MOTOR (EMPTY)	467047	655915	19.78	19.78	19.78
SHORT CIRCUIT BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT MK 21-0	467048	467048	10.32	10.32	---
GRAIN MK 21-2	655895	655895			
IGNITER MK 117-0	451310	451310	0.12	0.12	---
117-1	556522	556522			
117-2	556722	656722			
FELT DISK	483514	483514	0.01	0.01	---
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	30.59	32.90	22.03

5"0 ROCKET MK 7 MOD 3 (SURFACE, HE, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic rocket launchers, against shore installations and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	10050 YDS.
BURNT VELOCITY	1387 F/S
BURNING TIME	1.07 SEC
THRUST (AV)	2080 LBS
WT (AS FIRED)	49.46 LBS
WT (BURNT)	38.92 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1212

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855, (LAUNCHERS GENERAL)

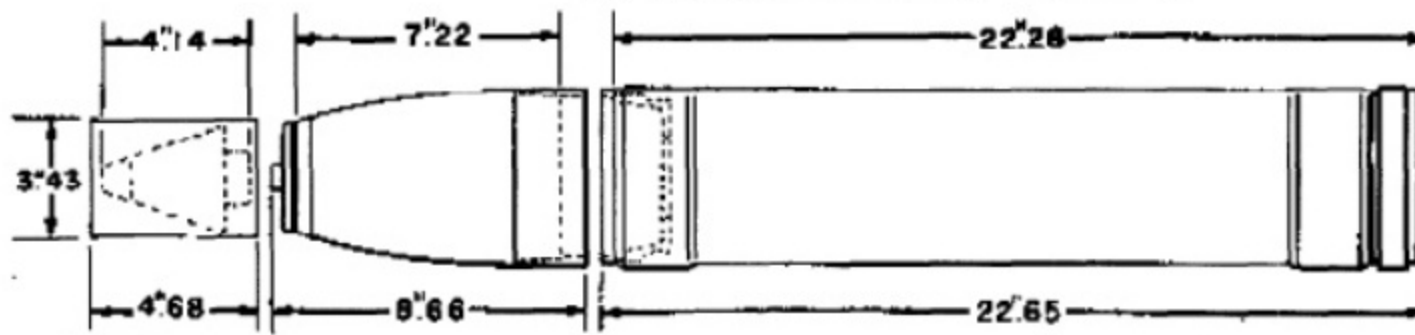
RANGE TABLE OP 2031

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE MK & MOD	ROUND	NOSE FUZE	ADF	HEAD			* MOTOR	
				7-1	7-2	7-3	3-1	3-4
LOADED								
LIST OF DWGS	---	109112	165193	165261	165261	165261	166301	174608
GEN ARRGT	---	422325	440406	561528	561528	561528	467046	655916
EMPTY								
LIST OF DWGS	---	---	---	166340	166341	166382	186300	174607
INERT PARTS	---	---	---	462617	462619	467178	467047	655915
CONTAINER	** 10-0	---	18-0	13-0			19-0	

*5"0 ROCKET MOTORS MK 3 MODS 0 AND 2 (NOT INDICATED) ARE APPLICABLE.
**FOR SERVICE ISSUE

5.0 ROCKET MK 7 MOD 3 (Cont'd)



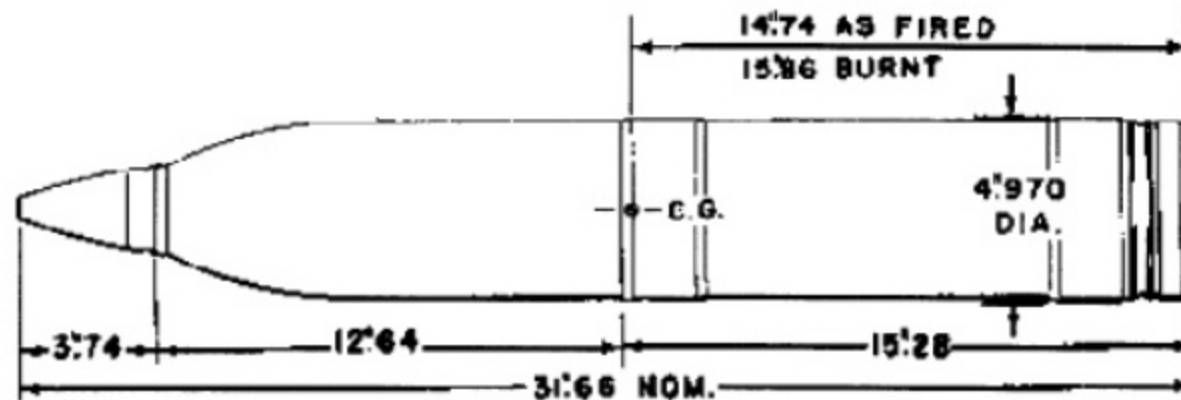
HEAD

AMM LOT PREFIX, RHCO	MK & MOD	DRAWING			WEIGHTS		
		7-1	7-2	7-3	AS FIRED	LOAD	INERT
SHIPPING PLUG	---	434040	434040	434040	---	1.16	1.16
GASKET	---	483515	483515	483515	---	---	---
NOSE FUZE	29-3	422325	422325	422325	1.45	---	---
AUX DETONATOR	44-2	440406	440406	440406	.50	.50	---
NOSE ADAPTER	---	451344	451344	454637	1.57	1.57	1.57
HEAD (EMPTY)	---	467123	467124	467178	12.50	12.50	12.50
FILLER (TNT)	---	---	---	---	2.85	2.85	---
GAS CHECK	---	140960	---	140960	---	---	---
THREAD PROT	---	434529	434529	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	---	---	18.87	19.83	16.48

MOTOR

AMM LOT PREFIX, RMDB	DRAWING		WEIGHTS		
	MK 3-1	MK 3-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457383 451342	457383 451342	---	2.25	2.25
MOTOR (EMPTY)	467047	655915	19.78	19.78	19.78
SHORT CIRCUIT BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT MK 21-0	467048	467048	10.32	10.32	---
GRAIN MK 21-2	655895	655895			
IGNITER MK	117-0	451310	0.12	0.12	---
	117-1	556522			
	117-2	656722			
FELT DISK	483514	483514	0.01	0.01	---
FELT WASHER	446794	446794	0.09	0.09	---
	483513	483513			
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	30.59	32.90	22.03

5" ROCKET MK 10 MOD 1 (SURFACE, VT, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic rocket launchers, against personnel, light armament, and equipment.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	4620	YDS
BURNT VELOCITY	778	F/S
BURNING TIME	1.06	SEC
THRUST (AV)	1145	LBS
WT (AS FIRED)	50.41	LBS
WT (BURNT)	44.42	LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260, NAVORD OHI A5-45

FUZES - OP 1480

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855 (LAUNCHERS GENERAL)

RANGE TABLE OP 1498

BUORD DRAWINGS (OUTLINE DWG - - -)

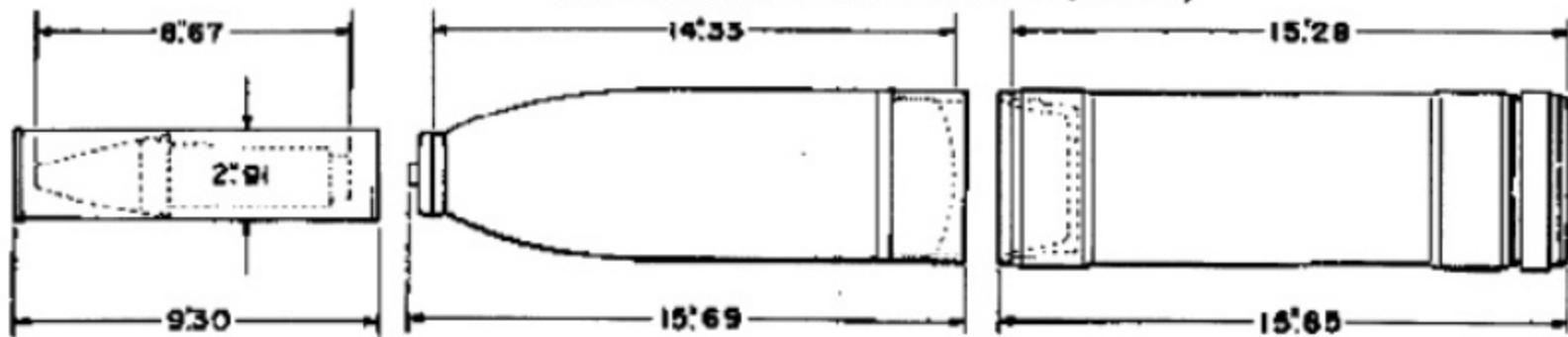
COMPLETE ROUND		NOSE FUZE		* HEAD	** MOTOR	
MK & MOD	10-1	173-4	174-0	10-9	4-1	4-4
LOADED						
LIST OF DWGS	----	177480	267111	166309	166305	174611
GEN ARRGT	----	584006	795175	467052	467049	655922
EMPTY						
LIST OF DWGS	----	----	----	166338	177304	174612
INERT PARTS	----	----	----	467103	467050	655923
CONTAINER	*** 10-0	91-0		23-0	23-0	

*5" ROCKET HEADS MK 10 MODS 0, 1, 6 AND 7 (NOT INDICATED) ARE APPLICABLE.

**5" ROCKET MOTORS MK 4 MODS 0 AND 2 (NOT INDICATED) ARE APPLICABLE.

*** FOR SERVICE ISSUE

5.0 ROCKET MK 10 MOD 1 (Cont'd)



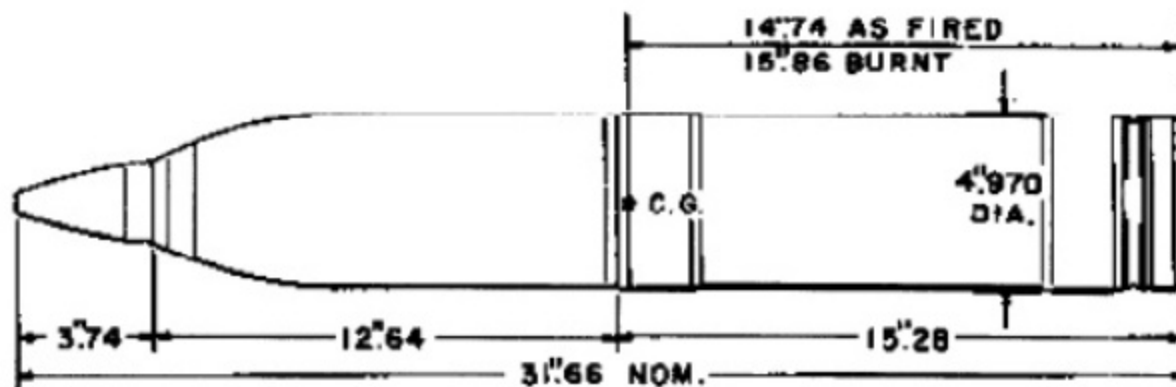
HEAD

AMM LOT PREFIX, RHCT	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	434039	---	---	.92
NOSE FUZE	173-4 174-0	584006 795175	2.44	2.44	---
NOSE ADAPTER	---	451314	Not Utilized		.76
HEAD (EMPTY)	---	467104	16.38	16.38	16.38
FILLER (TNT)	---	---	9.90	9.90	---
THREAD PROT	---	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	28.72	29.97	19.31

MOTOR

AMM. LOT PREFIX, RMDC	DRAWING		WEIGHTS			
	MK 4-1	MK 4-4	AS FIRED	LOADED	INERT PARTS	
THREAD PROTECTOR	457385 451340	457385 451340	---	2.76	2.76	
MOTOR (EMPTY)	467050	655923	15.42	15.42	15.42	
SHORT CIRCUIT BAND	454636	454636	---	0.06	---	
REAR CLOSURE	454632	454632	0.06	0.06	---	
CONNECTORS	483533	736576	---	---	---	
PROPELLANT GRAIN	MK 22-0 MK 22-1,2 MK 22-3	467051 655895 655896	467051 655895 655896	5.78	5.78	---
IGNITER MK	118-0 118-1 118-2	451329 556523 656719	451329 556523 656719	0.12	0.12	---
FELT DISK	483514	483514 446791	0.01	0.01	---	
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---	
FRONT CLOSURE	451303	451303	0.19	0.19	---	
FELT WASHER 1/4	483523	483523	0.01	0.01	---	
FELT WASHER 1/8	483524	483524	0.01	0.01	---	
TOTAL WEIGHTS	---	---	21.69	24.51	18.18	

5"0 ROCKET MK 10 MOD 2 (SURFACE, VT, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic rocket launchers, against personnel, light armament, and equipment.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	4620 YDS.
BURNT VELOCITY	778 F/S
BURNING TIME	1.06 SEC
THRUST (AV)	1145 LBS
WT (AS FIRED)	50.95 LBS
WT (BURNT)	44.96 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1480

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855, (LAUNCHERS GENERAL)

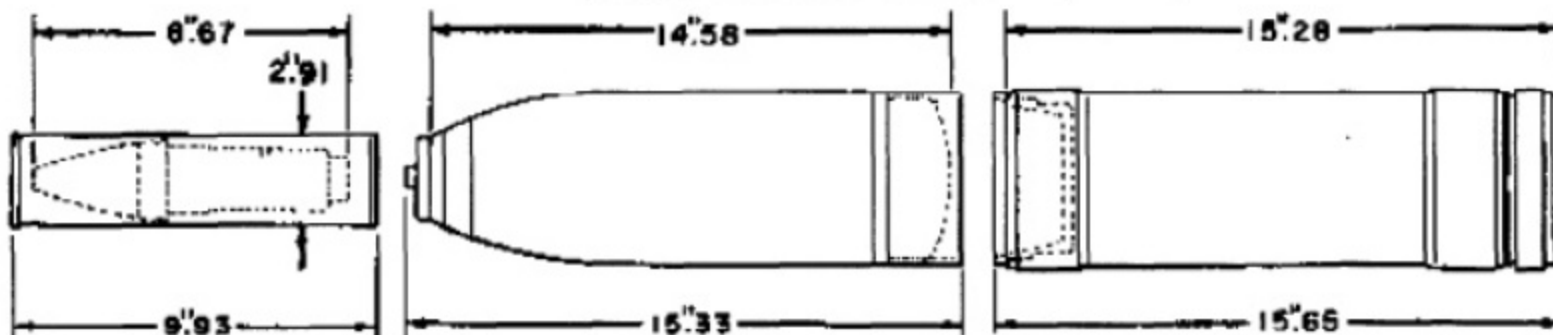
RANGE TABLES OP 1498

BUORD DRAWINGS (OUTLINE DWG 656332)

COMPLETE ROUND	NOSE FUZE		HEAD	MOTOR		
	MK & MOD	173-4		174-0	10-11	4-1	4-4
LOADED						
LIST OF DWGS	267526	177480	267111	267528	166305	174611
GEN ARRGT	656331	584006	795175	656333	467049	655922
EMPTY						
LIST OF DWGS	---	---	---	267529	166304	174612
INERT PARTS	---	---	---	656334	467050	655923
CONTAINER	*10-0	91-0		23-0	23-0	

*FOR SERVICE ISSUE

5.0 ROCKET MK 10 MOD 2 (Cont'd)



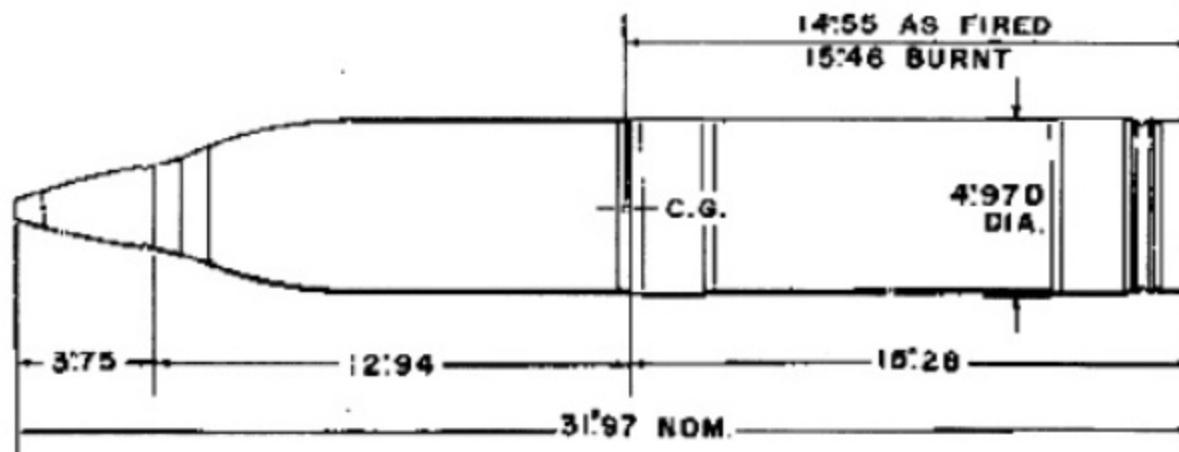
HEAD

AMM LOT PREFIX, RHCT	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	593022	---	1.04	1.04
GASKET	---	603075	---	---	---
NOSE FUZE	173-4 174-0	584006 795175	2.44	---	---
CAVITY LINER & NOSE ADAPTER	---	457206	1.05	1.05	1.05
HEAD (EMPTY)	---	656330	15.87	15.87	15.87
FILLER (TNT)	---	---	9.90	9.90	---
THREAD PROT	---	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	29.26	29.11	19.21

MOTOR

AMM. LOT PREFIX, RMDC	DRAWING		WEIGHTS		
	MK 4-1	MK 4-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457385 451340	457385 451340	---	2.76	2.76
MOTOR (EMPTY)	467050	655923	15.42	15.42	15.42
SHORT CIRCUIT BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT GRAIN MK	MK 22-0 MK 22-1,2 MK 22-3	467051 658895 655896	467051 658895 655896	5.78	5.78
IGNITER MK	118-0 118-1 118-2	451329 556523 656719	451329 556523 656719	0.12	0.12
FELT DISK	483514	483514 446791	0.01	0.01	---
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	21.69	24.51	18.18

5" ROCKET MK 10 MOD 3 (SURFACE, HE, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic launchers, against small surface targets, shore installations, and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	4620 YDS.
BURNT VELOCITY.	778 F/S
BURNING TIME	1.06 SEC
THRUST (AV)	1145 LBS
WT (AS FIRED).	49.94 LBS
WT (BURNT).	43.95 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1017

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855, (LAUNCHERS GENERAL)

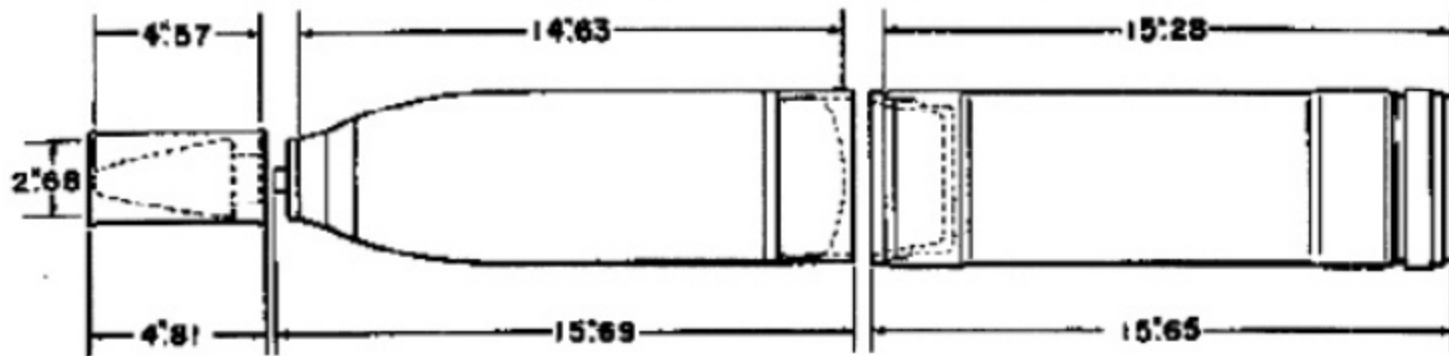
RANGE TABLES OP 1498

BUORD DRAWINGS (OUTLINE DWG 656338)

COMPLETE ROUND		NOSE FUZE P.D.		ADF	HEAD	MOTOR	
MK & MOD	10-3	30-3	30-4	44-2	10-12	4-1	4-4
LOADED							
LIST OF DWGS	267535	109113	165551	165193	267533	166305	174611
GEN ARRGT	656339	422326	562339	440406	656335	467049	655922
EMPTY							
LIST OF DWGS	---	---	---	---	267534	166304	174612
INERT PARTS	---	---	---	---	656336	467050	655923
CONTAINER	* 10-0	19-0		---	23-0	23-0	

*FOR SERVICE ISSUE

5:0 ROCKET MK 10 MOD 3 (Cont'd)



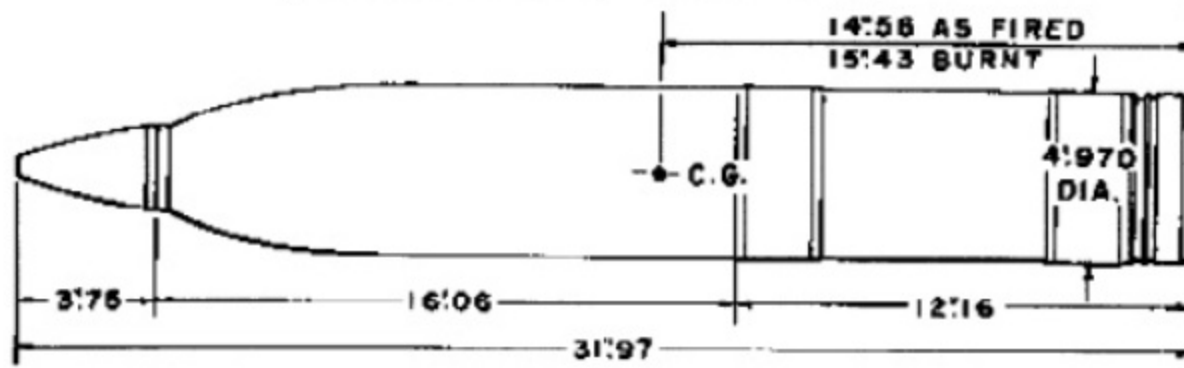
HEAD

AMM LOT PREFIX, RHCL	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	434039	---	.92	.92
GASKET	---	483488	---	---	---
NOSE FUZE	30-3 30-4	422326 562339	1.38	---	---
AUX DETONATOR	44-2	440406	0.50	0.50	---
NOSE ADAPTER	---	433698	1.10	1.10	1.10
HEAD (EMPTY)	---	656330	15.87	15.87	15.87
FILLER (TNT)	---	---	9.40	9.40	---
THREAD PROT	---	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	28.25	29.04	19.14

MOTOR

AMM LOT PREFIX, RMDC	DRAWING		WEIGHTS		
	MK 4-1	MK 4-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457385 451340	457385 451340	---	2.76	2.76
MOTOR (EMPTY)	467050	655923	15.42	15.42	15.42
SHORT CIRCUIT BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT GRAIN	22-0 MK 22-1,2 22-3	467051 655895 655896	467051 655895 655896	5.78	5.78
IGNITER	118-0 MK 118-1 118-2	451329 556523 656719	451329 556523 656719	0.12	0.12
FELT DISK	483514	483514 446791	0.01	0.01	---
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	21.69	24.51	18.18

5.0 ROCKET MK 13 MOD 0 (SURFACE, HE, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic rocket launchers, against shore installations, and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	2145 YDS.
BURNT VELOCITY	498 F/S
BURNING TIME	.97 SEC
THRUST (AV)	875 LBS
WT (AS FIRED)	51.86 LBS
WT (BURNT)	47.39 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1017

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),

OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),

OP 1304, OP 1855 (LAUNCHERS GENERAL)

RANGE TABLE OP 2029

BUORD DRAWINGS (OUTLINE DWG 467137)

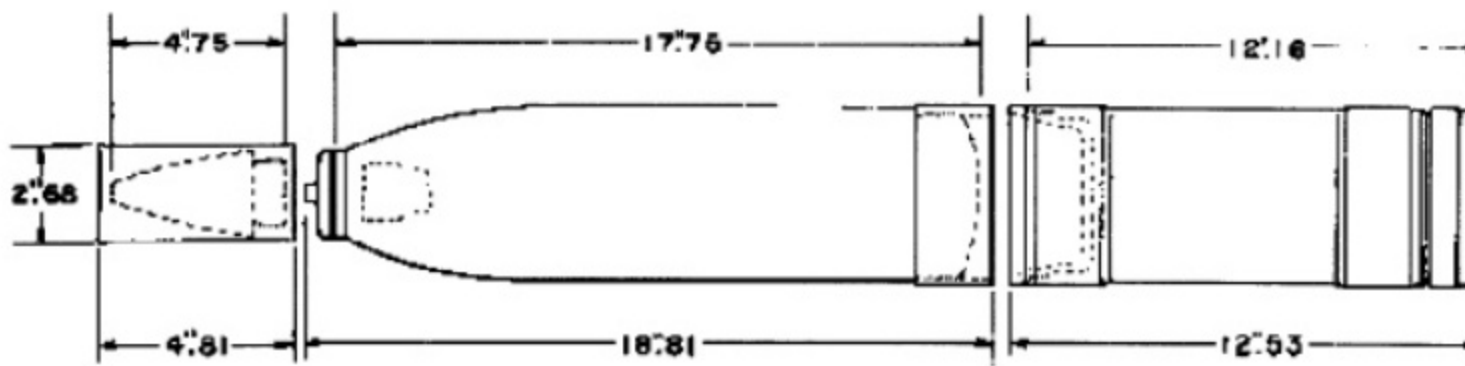
COMPLETE ROUND	NOSE FUZE		ADF	* HEAD		** MOTOR			
	MK & MOD	13-0		30-3	30-4	44-2	12-0	12-3	5-1	5-4
LOADED									
LIST OF DWGS	---	109113	165551	165193	165459	165462	166375	174613	
GEN ARRGT	467138	422326	562339	440406	561530	561530	467158	655924	
EMPTY									
LIST OF DWGS	---	---	---	---	166352	166358	166374	174614	
INERT PARTS	---	---	---	---	467125	467131	467157	655925	
CONTAINER	***10-0	19-0	---	---	20-0	---	21-0	---	

*5.0 ROCKET HEADS MK 12 MOD 1, 2, AND 4 ARE APPLICABLE.

**5.0 ROCKET MOTORS MK 5 MOD 0 (NOT INDICATED) ARE APPLICABLE.

*** FOR SERVICE ISSUE

5"Ø ROCKET MK 13 MOD 0 (Cont'd)



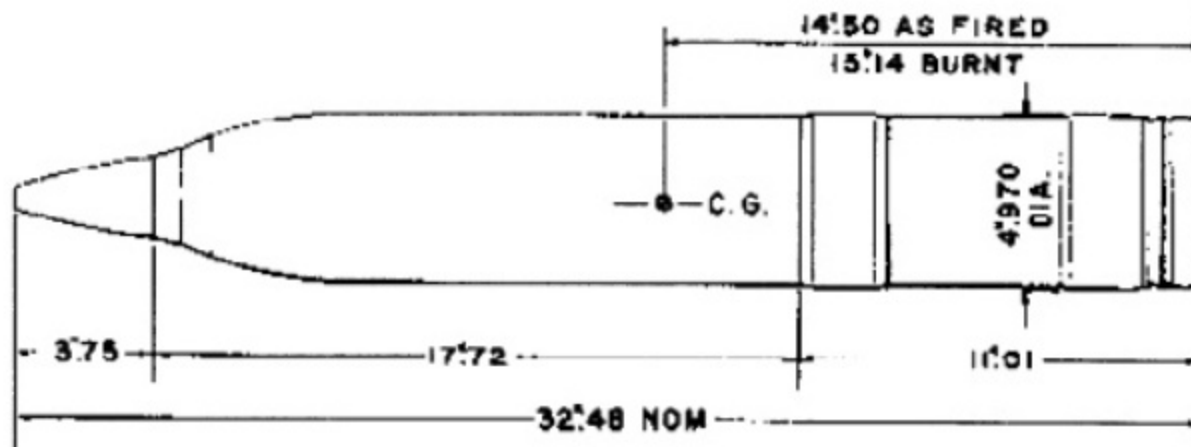
HEAD

AMM LOT PREFIX, RHCS	MK & MOD	DRAWING		WEIGHTS		
		12-0	12-3	AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	---	434039	483488	---	.92	.92
GASKET	---	483488	483488	---	---	---
NOSE FUZE	30-4	422326	422321	1.38	---	---
	30-4	562339	562339			
AUX DETONATOR	44-2	440406	440406	0.50	0.50	---
NOSE ADAPTER	---	451314	451314	0.76	0.76	0.76
HEAD (EMPTY)	---	467126	467132	19.56	19.56	19.56
EXPLOSIVE (TNT)	---	---	---	12.0	12.0	---
THREAD PROT	---	434529	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	---	34.20	34.99	22.49

MOTOR

AMM. LOT PREFIX, RMDD		DRAWING		WEIGHTS		
		MK 5-1	MK 5-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR		457385	457385	---	2.76	2.76
		451340	451340			
MOTOR (EMPTY)		467157	655925	13.14	13.14	13.14
SHORT CIRCUIT BAND		454636	454636		0.06	---
REAR CLOSURE		454632	454632	0.06	0.06	---
CONNECTORS		483533	736576	---	---	---
PROPELLANT GRAIN	MK 24-0	467153	467153	4.03	4.03	---
	MK 24-1	655897	655897			
	MK 24-2	---	---			
IGNITER	MK 120-0	462632	462632	0.12	0.12	---
	MK 120-1	556524	556524			
	MK 120-2	656720	656720			
FELT DISK		483514	483514	0.01	0.01	---
FELT WASHER		446794	446794	0.09	0.09	---
		483513	483513			
FRONT CLOSURE		451303	451303	0.19	0.19	---
FELT WASHER 1/4		483523	483523	0.01	0.01	---
FELT WASHER 1/8		483524	483524	0.01	0.01	---
TOTAL WEIGHTS		---	---	17.66	20.48	15.90

5" ROCKET MK 16 MOD 0 (SURFACE , HE , SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic rocket launchers, against shore installations and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	1480 YDS
BURNT VELOCITY	400 F/S
BURNING TIME	.93 SEC
THRUST	687 LBS
WT (AS FIRED)	54.30 LBS
WT (BURNT)	50.70 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1017

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855, (LAUNCHERS GENERAL)

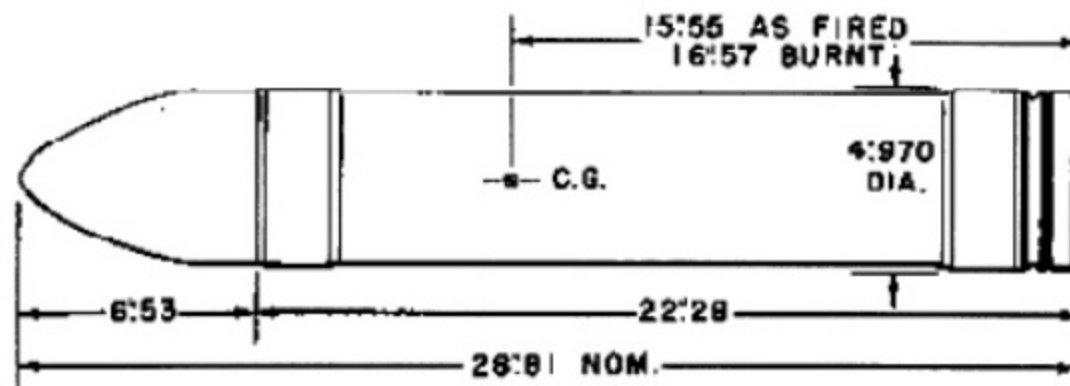
RANGE TABLE OP 1498

BUORD DRAWINGS (OUTLINE DWG 467156)

COMPLETE ROUND		FUZE		ADF	HEAD	MOTOR	
MK & MOD	16-0	30-3	30-4	52-2	13-0	6-1	6-4
LOADED							
LIST OF DWGS	---	109113	165551	165988	---	166377	174615
GEN ARRGT	456155	422326	562339	563653	---	467160	655926
EMPTY							
LIST OF DWGS	---	---	---	---	166358	166376	174616
INERT PARTS	---	---	---	---	467143	467159	655927
CONTAINER	* 10-0	19-0		---	24-0	25-0	

*FOR SERVICE ISSUE

5.0 ROCKET MK 24 MOD 0 (SURFACE, AP, SS)



PURPOSE Fired from Surface Craft, PT, LSMR, and IFS ships, from trainable and automatic launchers, against small surface targets, shore installations, and for bombardment or barrage purposes to cover landings.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	9180 YDS.
BURNT VELOCITY	1334 F/S
BURNING TIME	1.07 SEC
THRUST (AV)	2080 LBS
WT (AS FIRED)	50.59 LBS
WT (BURNT)	40.05 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

FUZES - OP 1212

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),
OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),
OP 1304, OP 1855 (LAUNCHERS GENERAL)

RANGE TABLES OP 2030

BUORD DRAWINGS (OUTLINE DWG 467067)

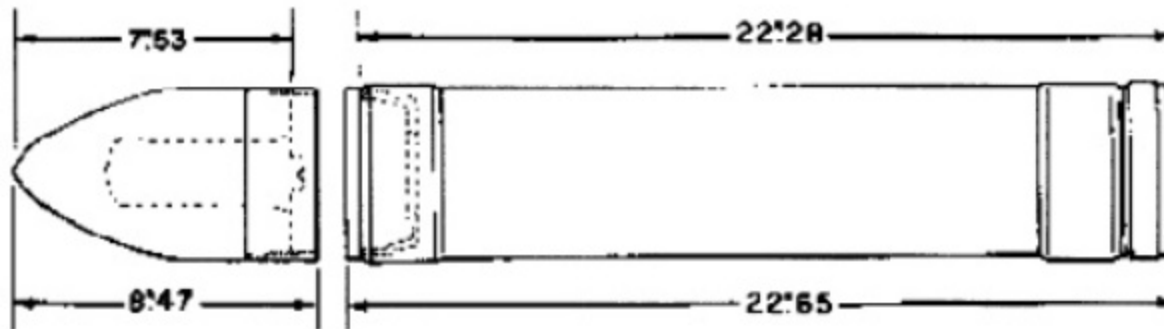
COMPLETE ROUND	-- BASE FUZE			HEAD		* MOTOR		
	MK & MOD	24-0	31-0	36-0	8-0	8-1	3-1	3-4
LOADED								
LIST OF DWGS	---	109344	109345	CIT	139686	166301	174608	
GEN ARRGT	467068	423486	423485	CIT	479492	467046	655916	
EMPTY								
LIST OF DWGS	---	---	---	CIT	---	186300	174607	
INERT PARTS	---	---	---	CIT	439591	467047	655915	
CONTAINER	*** 10-0	21-0		7-0		19-0		

*5.0 ROCKET MOTORS MK 3 MODS 0 AND 2 (NOT INDICATED) ARE APPLICABLE.

**BASE FUZE MK 31 MOD 2 (NOT INDICATED) IS APPLICABLE

***FOR SERVICE ISSUE

5.0 ROCKET MK 24 MOD D (Cont'd)



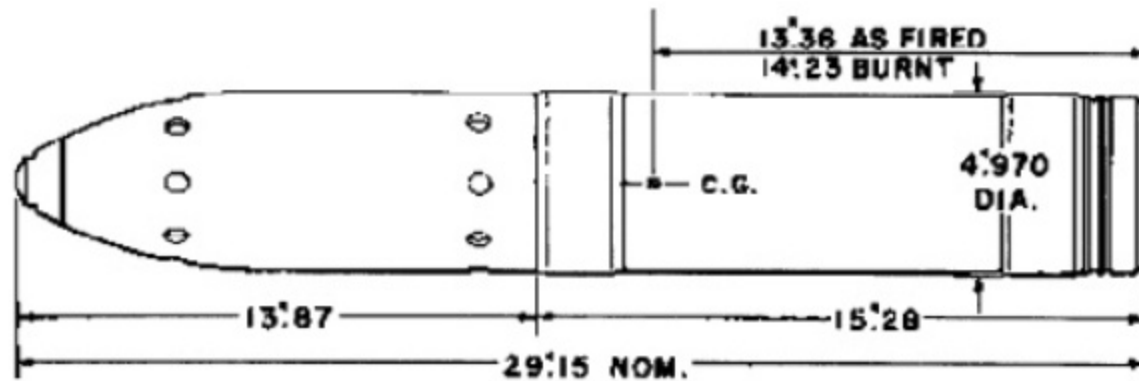
HEAD

AMM LOT PREFIX, RHCK	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (EMPTY)	---	439591-1	12.22	12.22	12.22
FILLER (EXP D)	---	---	1.70	1.70	---
BASE FUZE	31-0 36-0	423486 423485	1.58	1.58	---
BASE PLUG	---	439591-2	4.42	4.42	4.42
GASKET	---	439591-3	.05	.05	---
GAS CHECK	---	SK140960	.03	.03	---
THREAD PROT	---	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	20.00	21.25	17.89

MOTOR

AMM LOT PREFIX, RMDB	DRAWING		WEIGHTS		
	MK 3-1	MK 3-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457383 451342	457383 451342	---	2.25	2.25
MOTOR (EMPTY)	467047	655915	19.78	19.78	19.78
SHORT CIRCUIT BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT MK 21-0 GRAIN MK 21-2	467048 655895	467048 655895	10.32	10.32	---
IGNITER MK 117-1 117-2	451310 556522 656722	451310 556522 656722	0.12	0.12	---
FELT DISK	483514	483514	.01	.01	---
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	30.59	32.90	22.03

5"0 ROCKET MK 27 MOD 0 (SURFACE, SMOKE-TARGET, SS)



PURPOSE Surface-fired from applicable launchers. This rocket is used to stimulate fast moving aerial targets for gunnery practice; smoke trail assists in locating target rocket.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

RANGE (MAX)	4620 YDS.
BURNT VELOCITY	778 F/S
BURNING TIME	1.06 SEC
THRUST (AV)	1145 LBS
WT (AS FIRED)	43.69 LBS
WT (BURNT)	37.70 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1260

LAUNCHERS OP 1244 (MK 50 MOD 0, 1), OP 1246 (MK 51 MOD 0),

OP 1424 (MK 102 MOD 0), OP 2110 (MK 105 MOD 2),

OP 1304, OP 1855, (LAUNCHERS GENERAL)

RANGE TABLE OP 1498

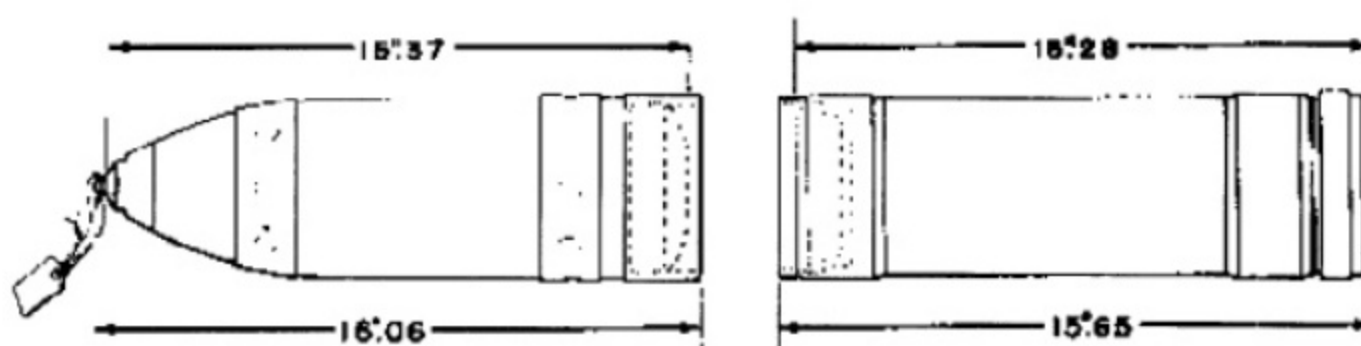
BUORD DRAWINGS (OUTLINE DWG 660861)

COMPLETE ROUND	HEAD		* MOTOR		
	MK & MOD	21-0	21-1	4-1	4-4
LOADED					
LIST OF DWGS	174495	174494	174517	166305	174611
GEN ARRGT	660860	660864	656290	467049	655922
EMPTY					
LIST OF DWGS	---	174493	174516	166304	174612
INERT PARTS	---	660862	656288	467050	655923
CONTAINER	** 10-0	23-0		23-0	

*5.0 ROCKET MOTORS MK 4 MODS 0 AND 2 (NOT INDICATED) ARE APPLICABLE.

**FOR SERVICE ISSUE

5.0 ROCKET MK 27 MOD 0 (Cont'd)



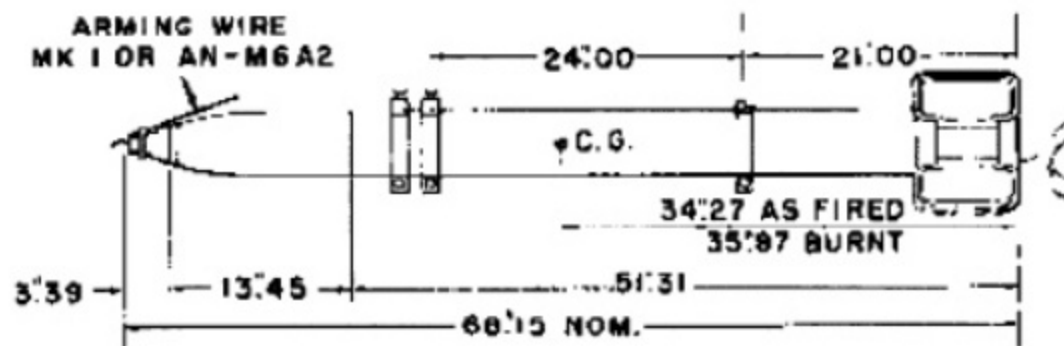
HEAD

AMM LOT PREFIX, RHKC	DRAWING		WEIGHTS		
	MK 21-0	MK 21-1	AS FIRED	LOADED	INERT PARTS
SHIPPING PLUG	638600	638600	---	.02	.02
NOSE PLUG	655859	655859	2.05	2.05	2.05
LOAD COMP ASSY (WITH GRENADE)	655868	655868	7.02	7.02	---
HEAD (EMPTY)	660863	656288	12.93	12.93	12.93
THREAD PROT	434529	434529	---	1.25	1.25
TOTAL WEIGHTS	---	---	22.00	23.27	16.25

MOTOR

AMM. LOT PREFIX, RMDC	DRAWING		WEIGHTS		
	MK 4-1	MK 4-4	AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	457385 451340	457385 451340	---	2.76	2.76
MOTOR (EMPTY)	467050	655923	15.42	15.42	15.42
SHORT CIR BAND	454636	454636	---	0.06	---
REAR CLOSURE	454632	454632	0.06	0.06	---
CONNECTORS	483533	736576	---	---	---
PROPELLANT GRAIN	22-0 MK 22-1,2 22-3	467051 655895 655896	5.78	5.78	---
IGNITER	118-0 MK 118-1 118-2	451329 556523 656719	0.12	0.12	---
FELT DISK	483514	483514 446791	0.01	0.01	---
FELT WASHER	446794 483513	446794 483513	0.09	0.09	---
FRONT CLOSURE	451303	451303	0.19	0.19	---
FELT WASHER 1/4	483523	483523	0.01	0.01	---
FELT WASHER 1/8	483524	483524	0.01	0.01	---
TOTAL WEIGHTS	---	---	21.69	24.51	18.18

5" ROCKET MK 28 MOD 4 (AIRCRAFT, GP, HVAR)



PURPOSE Forward-fired from aircraft, against surface targets such as shipping convoys, tanks, and gun emplacements.

PERFORMANCE — W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	138.49 LBS
WT (BURNT)	112.69 LBS

REFERENCES

ORDNANCE PAMPHLETS

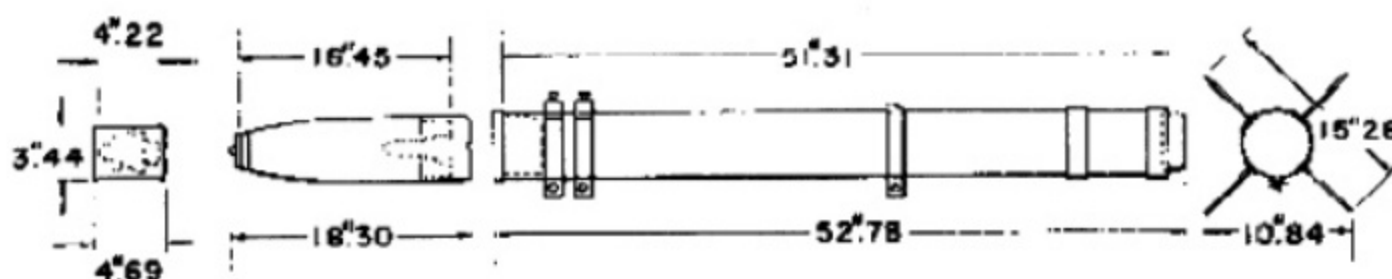
ROCKETS — OP 1239, NAVORD INST 8650.6
 FUZES — OP 1017
 LAUNCHERS — OP 1304, OP 1855 (MK 5, MK 9) AERO 14A
 TRAJECTORY TABLES OP 1829

BUORD DRAWINGS (OUTLINE DWG 655885)

COMPLETE ROUND		NOSE FUZE	BOOSTER	BASE FUZE	HEAD	MOTOR
MK & MOD	28-4	149-0,1	3-1	164-0	6-1	10-6
LOADED						
LIST OF DWGS	174575	109204	---	165239	165018	268439
GEN ARRGT	655884	393783	393666	561460	561527	656724
EMPTY						
LIST OF DWGS	---	---	---	---	139695	174599
INERT PARTS	---	---	---	---	479505	655913
CONTAINER	---	39-0	---	*	12-0	5-0,6-0
PALLET ADAPTER	---	---	---	---	11-1	8-0
PALLET UNIT LOAD	---	---	---	---	1341931	1391943

*SHIPPED ASSEMBLED TO BASE OF HEAD.

5:0 ROCKET MK 28 MOD 4 (Cont'd)



HEAD

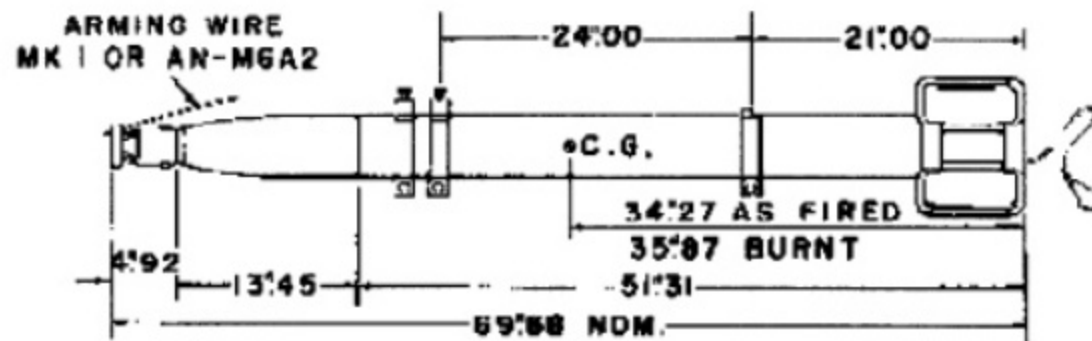
AMM LOT PREFIX,RHCJ	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	434040-1	---	1.00	1.00
SPACER	---	422505-9	---	---	---
NOSE FUZE	149-0,1	393783	2.75	---	---
AUX BOOSTER	3-1	393666	.10	.10	---
ADAPTER	---	---	---	---	1.66
ADAPTER ASSY	---	451266	1.72	1.72	---
HEAD (EMPTY)	---	479504	33.00	33.00	33.00
FILLER (TNT)	---	---	7.60	7.60	---
BASE FUZE	164-0	561460	3.45	3.45	---
BASE SHIP CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	48.62	50.55	39.34

MOTOR

AMM LOT PREFIX,RMDA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR (EMPTY)	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY	---	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451268 457778	.25	.25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED.

5" ROCKET MK 28 MOD 5 (AIRCRAFT , VT , HVAR)



PURPOSE Forward-fired from aircraft, against surface targets such as light armament, equipment, and personnel.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70°F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	138.91 LBS
WT (BURNT)	113.11 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1239, NAVORD INST 8650.6

FUZES - OP 1470

LAUNCHERS - OP 1304, OP 1855 (MK 5, MK 9) AERO 14A

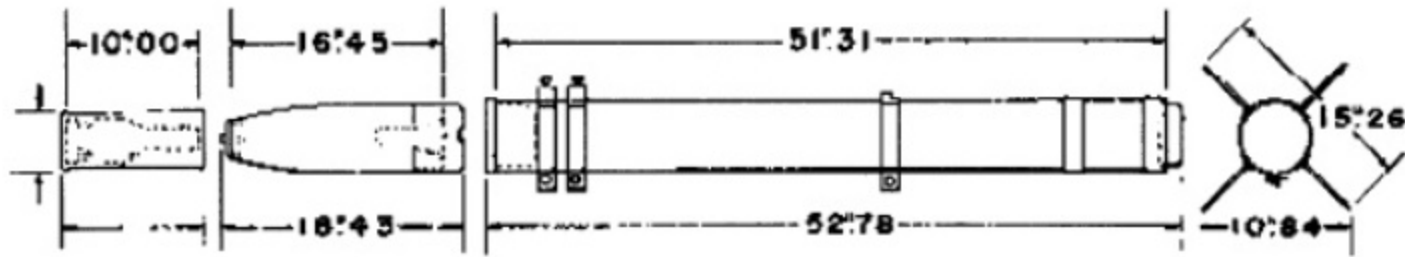
TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG ---)

COMPLETE ROUND		NOSE FUZE	BASE FUZE	HEAD	MOTOR
MK & MOD	28-5	172-2	164-0	6-4	10-6
LOADED					
LIST OF DWGS	---	---	165239	174569	268439
GEN ARRGT	---	---	561460	655874	656724
EMPTY					(2-5)
LIST OF DWGS	---	---	---	174568	174599
INERT PARTS	---	---	---	655875	655913
CONTAINER	---	---	*	12-0	5-0, 6-0
PALLET ADAPTER	---	---	---	11-1	8-0
PALLET UNIT LOAD	---	---	---	1341931	1341943

*SHIPPED ASSEMBLED TO BASE OF HEAD.

5.0 ROCKET MK 28 MOD 5 (Cont'd)



HEAD

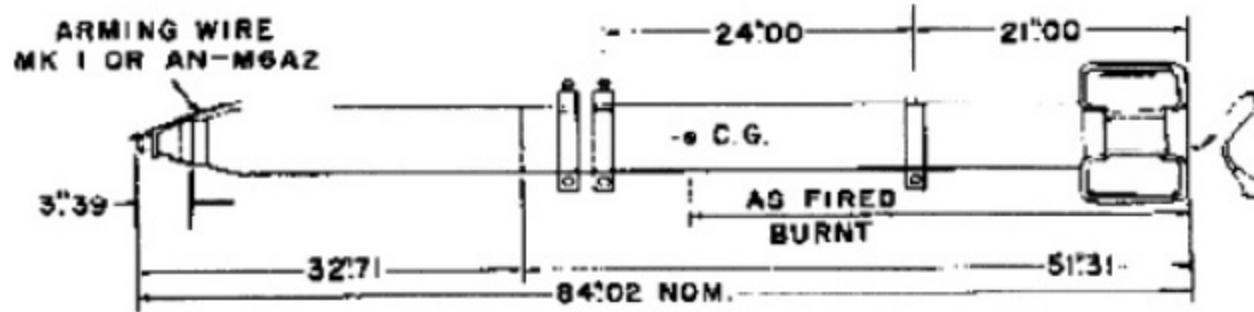
AMM LOT PREFIX, RHCY	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	650841	---	1.15	1.15
SHIP PLUG GASKET	---	650862	---	.02	.02
NOSE FUZE	172-2	---	4.00	---	---
ADAPTER	---	434514	1.25	1.25	1.25
LINER	---	650873	.24	.24	.24
HEAD (EMPTY)	---	479504	33.00	33.00	33.00
FILLER (TNT)	---	---	7.10	7.10	---
BASE FUZE	164-0	561460	3.45	3.45	---
BASE SHIP CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	49.04	49.89	39.34

MOTOR

AMM LOT PREFIX, RMDA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR (EMPTY)	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY *	---	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451628 457778	.25 .25	.25 .25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED.

5" ROCKET MK 32 MOD 1 (AIRCRAFT, HEAT, HVAR)



PURPOSE Forward-fired from aircraft, against surface targets such as shipping convoys, tanks, and gun emplacements.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	140.47 LBS
WT (BURNT)	114.67 LBS

REFERENCES

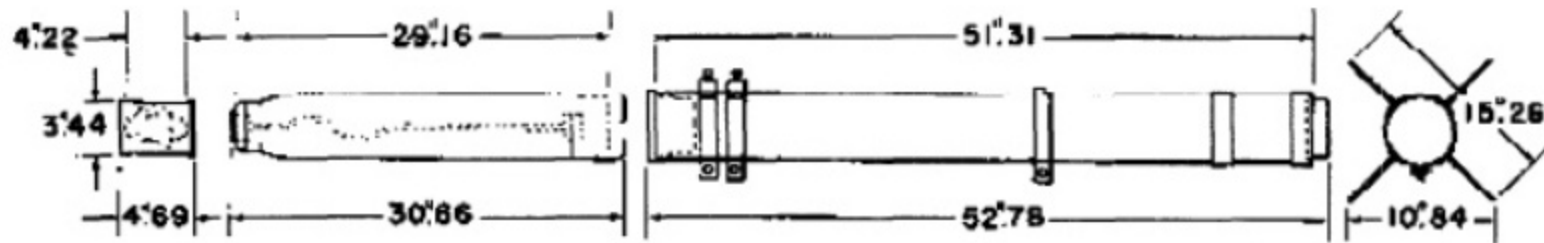
ORDNANCE PAMPHLETS

- ROCKETS - OP 1239, NAVORD INST 8650.6
- FUZES - OP 1017
- LAUNCHERS - OP 1304, OP 1855 (MK 5, MK 9) AERO 14A
- TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		NOSE FUZE	HEAD		MOTOR
MK & MOD	32-1	149-0,1	25-1	25-2	10-6
LOADED					
LIST OF DWGS	---	109204	255540	268469	268439
GEN ARRGT	---	393783	563481	656784	656724
EMPTY					(2-5)
LIST OF DWGS	---	---	165534	255950	174599
INERT PARTS	---	---	564220	564532	655913
CONTAINER	---	39-0	27-0		5-0, 6-0
PALLET ADAPTER	---	---	11-1		8-0
PALLET UNIT LOAD	---	---	1341931		1341943

5:0 ROCKET MK 32 MOD 1 (Cont'd)



HEAD

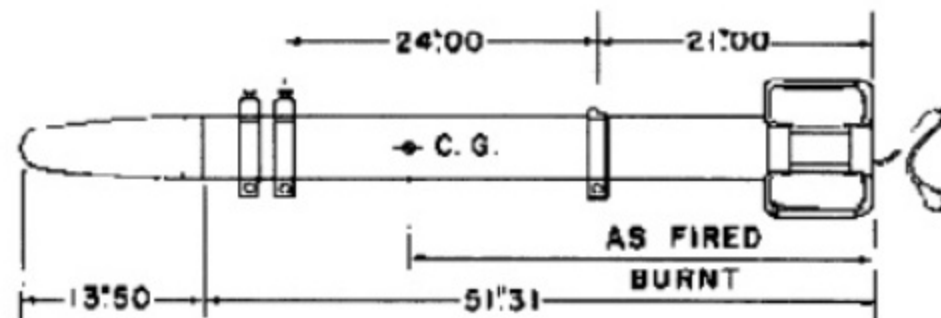
AMM LOT PREFIX, RHCZ	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	394560-2	---	.12	.12
GASKET	---	394560-33	---	.12	.12
NOSE FUSE	149-0,1	393783	2.75	---	---
HEAD (EMPTY)	25-1 25-2	564220 564532	31.88	31.88	31.88
SEALING CAP	---	721845	---	---	---
INITIATOR ASSY	---	722008	---	---	---
DETONATING CORD	---	722012-2	.30	.30	---
BOOSTER ASSY	---	722002	---	---	---
PACKING DISKS	---	583517	---	---	---
FILLER (COMP B)	---	---	15.33	15.33	---
WAX FILLER	---	---	.34	.34	---
BASE SHIP CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	50.60	51.65	35.68

MOTOR

AMM LOT PREFIX, RMDA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR (EMPTY)	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY *	---	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451268 457778	.25	.25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED.

5"0 ROCKET MK 34 MOD 0 (AIRCRAFT , AP / ASW , HVAR)



PURPOSE Fired-from aircraft, against under water targets, particularly submarines or other submerged equipment.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	138.43 LBS
WT (BURNT)	112.63 LBS

REFERENCES

ORDNANCE PAMPHLETS

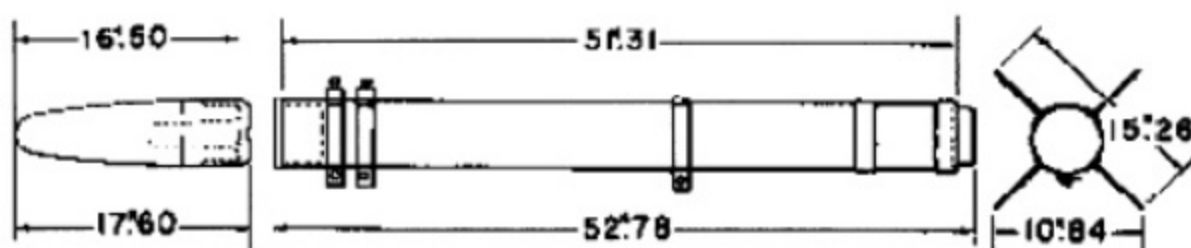
ROCKETS - OP 1239, NAVORD INST 8650.6
 FUZES - OP 1017
 LAUNCHERS - OP 1304, OP 1855 (MK 5, MK 9) AERO 14A
 TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		BASE FUZE		HEAD	MOTOR
MK & MOD	34-0	166-0	166-2	29-0	10-6
LOADED					
LIST OF DWGS	- - -	165443	284523	174796	268439
GEN ARRGT	- - -	562011	978505	656404	656724
EMPTY					(2-5)
LIST OF DWGS	- - -	- - -	- - -	174795	174599
INERT PARTS	- - -	- - -	- - -	656380	655913
CONTAINER	- - -			32-0	5-0, 6-0
PALLET ADAPTER	- - -	- - -	- - -	- - -	8-0
PALLET UNIT LOAD	- - -	- - -	- - -	- - -	1341943

*SHIPPED ASSEMBLED TO BASE OF HEAD.

5"0 ROCKET MK 34 MOD 0 (Cont'd)



HEAD

AMM LOT
PREFIX, RHKA

	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (EMPTY)	---	656387	37.51	37.51	37.51
FILLER (EXP "D")	---	---	3.03	3.03	---
CAVITY LINER	---	457731	.24	.24	.24
BASE FUZE	166-0 166-2	562011 978505	3.90	3.90	---
BASE PLUG	---	457325	3.77	3.77	3.77
GASKET	---	651611	.05	.05	---
GAS CHECK	---	457326	.06	.06	---
BASE SHIPPING CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	48.56	52.24	45.20

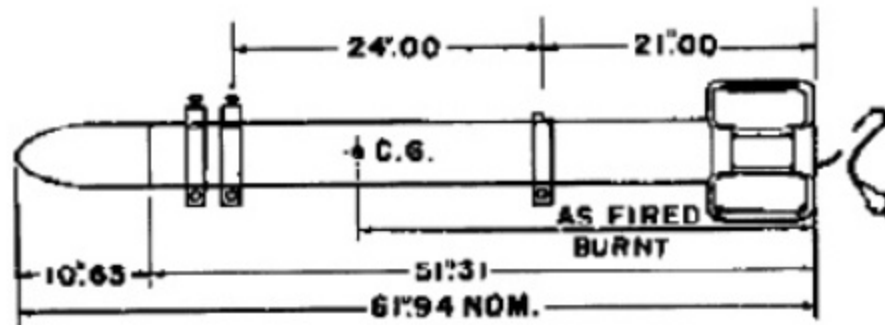
MOTOR

AMM LOT
PREFIX, RMDA

	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR EMPTY	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY *	---	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451268 457778	.25	.25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED.

5" ROCKET MK 35 MOD 0 (AIRCRAFT, AP, HVAR)



PURPOSE - Forward-fired from aircraft, against surface targets such as medium armored ships or tanks, convoys, or protected gun emplacements.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	138.17 LBS
WT (BURNT)	112.37 LBS

REFERENCES

ORDNANCE PAMPHLETS

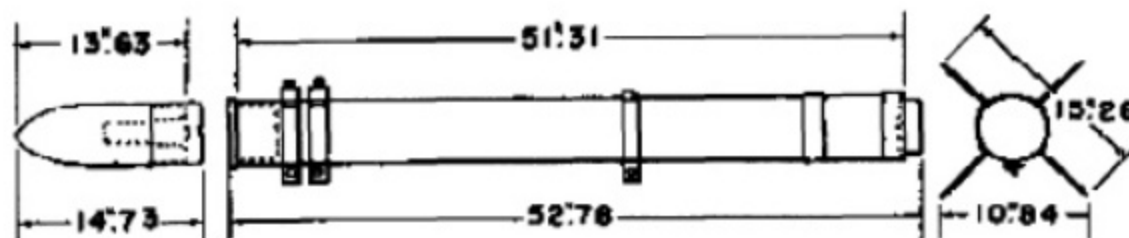
ROCKETS - OP 1239, NAVORD INST 8650.6
 FUZES - OP 1017
 LAUNCHERS - OP 1304, OP 1855 (MK 5, MK 9) AERO 14A
 TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		BASE FUZE		HEAD	MOTOR
MK & MOD	35-0	166-0	166-2	2-2	10-6
LOADED					
LIST OF DWGS	- - -	165443	284523	165464	268439
GEN ARRGT	- - -	562011	978505	562638	656724
EMPTY					(2-5)
LIST OF DWGS	- - -	- - -	- - -	165147	174599
INERT PARTS	- - -	- - -	- - -	561914	655913
CONTAINER	- - -	*		22-0	5-0, 6-0
PALLET ADAPTER	- - -	- - -		11-1	8-0
PALLET UNIT LOAD	- - -	- - -		1341931	1341943

*SHIPPED ASSEMBLED TO BASE OF HEAD.

5.0 ROCKET MK 35 MOD 0 (Cont'd)



HEAD

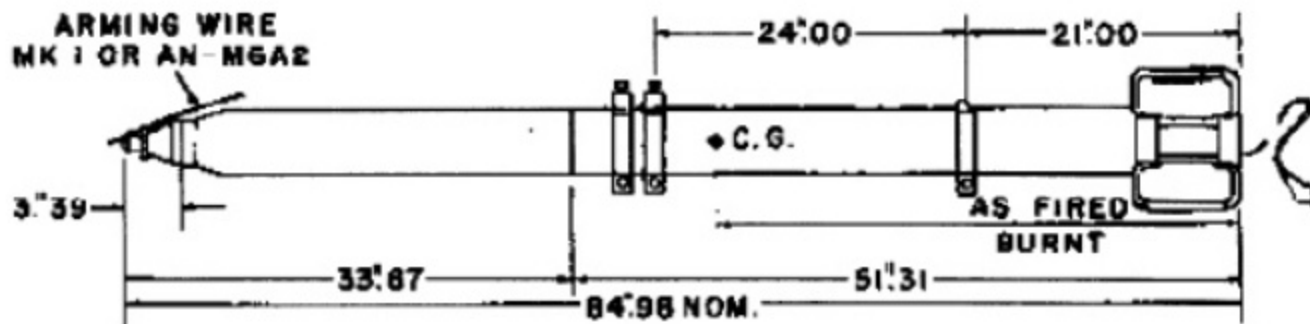
AMM LOT PREFIX, RHCQ	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (EMPTY)	---	561915	42.10	42.10	42.10
BASE PLUG	---	592851			
FILLER (EXP "D")	---	---	2.20	2.20	---
BASE FUZE	166-0 166-2	562011 978505	3.90	3.90	---
GASKET	---	453358	.05	.05	---
GAS CHECK	---	144988	.05	.05	---
BASE SHIPPING CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	48.30	51.98	45.78

MOTOR

AMM LOT PREFIX, RMDA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR (EMPTY)	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY	*	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451268 457778	.25	.25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED.

5"0 ROCKET MK 36 MOD 0 (AIRCRAFT, SMOKE (PWP) HVAR)



PURPOSE Forward-fired from aircraft, for marking surface targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	2.8 SEC
BURNT VELOCITY	1325 F/S
BURNING TIME	1.15 SEC
THRUST (AV)	4700 LBS
WT (AS FIRED)	140.71 LBS
WT (BURNT)	114.91 LBS

REFERENCES

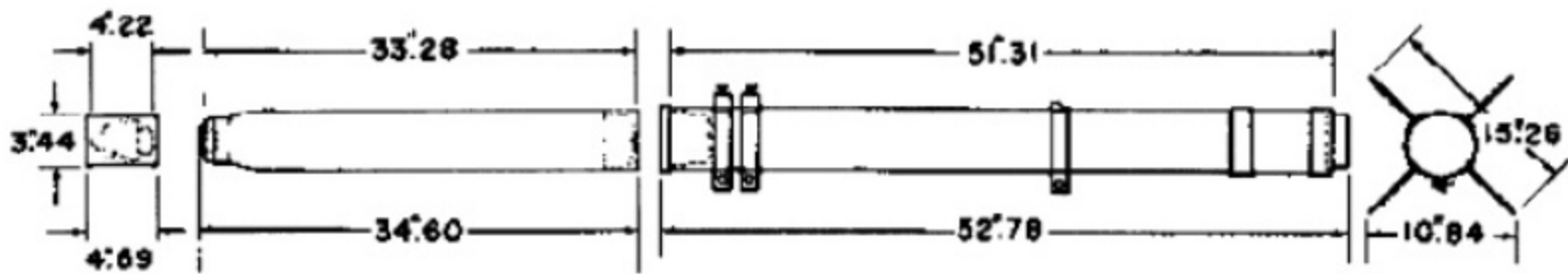
ORDNANCE PAMPHLETS

ROCKETS - OP 1239, NAVORD INST 8650.6
 FUZES - OP 1017
 LAUNCHERS - OP 1304, OP 1855, (MK 5, MK 9) AERO 14A
 TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG - - -)

COMPLETE ROUND		NOSE FUZE	HEAD	MOTOR
MK & MOD				
	36-0	149-0, 1	4-1	10-6
LOADED				
LIST OF DWGS	- - - -	109204	174830	268439
GEN ARRGT	- - - -	393783	656341	656724
EMPTY				(2-5)
LIST OF DWGS	- - - -	- - - -	267532	174599
INERT PARTS	- - - -	- - - -	656340	655923
CONTAINER	- - - -	39-0	15-1	5-0, 6-0
PALLET ADAPTER	- - - -	- - - -	- - - -	8-0
PALLET UNIT LOAD	- - - -	- - - -	- - - -	1341933

5.0 ROCKET MK 36 MOD 0 (Cont'd)



HEAD

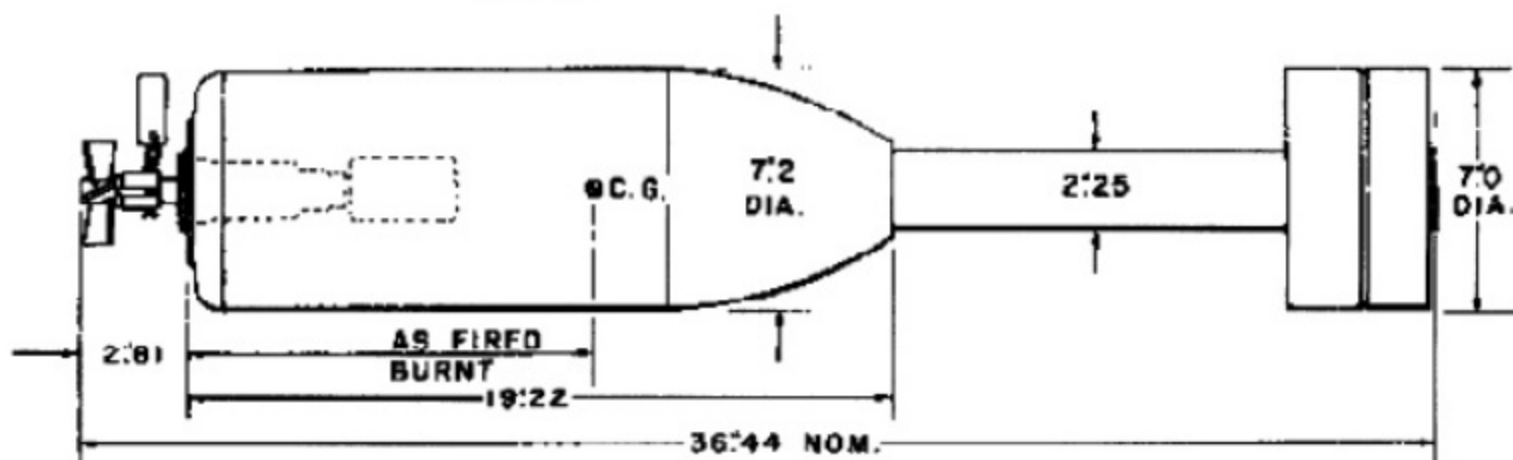
AMM LOT PREFIX, RHCG	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
NOSE SHIP PLUG	---	394560-2	---	.23	.23
GASKET	---	394560-33	---	---	---
NOSE FUZE	149-0,1	393783	2.75	---	---
LOCK RING	---	982418	.11	.11	---
WELL	---	651500	1.12	1.12	1.12
BURSTER TUBE SUB ASSY	---	457393	1.22	1.22	.92
RUST INHIBITOR TUBE	---	454692-3	---	---	.18
HEAD ASSEMBLY (EMPTY)	---	656340	26.28	26.28	26.28
FILLER (PWP)	---	---	19.36	19.36	---
BASE SHIP CAP	---	451265	---	3.68	3.68
TOTAL WEIGHTS	---	---	50.84	52.00	32.41

MOTOR

AMM LOT PREFIX, RMDA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	650870 655913	---	2.40	2.40
MOTOR (EMPTY)	(2-5)	655913	58.61	58.61	58.61
FIN ASSEMBLY	---	467059	5.50	---	---
NOZZLE SHIP COVER	---	451326	---	.39	.39
ELECTRICAL CONNECT	11-4	881374	.18	.18	---
NOZZLE SEAL PLAIN	---	446708	.03	.03	---
PROPELLANT GRAIN	18-0	467007	24.83	24.83	---
IGNITER SUPPORT	---	451307	.23	.23	---
IGNITER ASSEMBLY	114-0 114-1	451268 457778	.25	.25	---
FELT PAD	---	446720	.03	.03	---
FRONT CLOSURE	---	446716	.20	.20	---
FELT WASHER	---	446719	.01	.01	---
CORK RETAINER	---	1123525	---	---	---
TOTAL WEIGHTS	---	---	89.87	87.16	61.40

*SHIPPED SEPARATELY IN ROCKET CONTAINER MK 6-0, OR SHIPPED ASSEMBLED TO MOTOR WHEN PALLET ADAPTER MK 8 MOD 0 IS USED

7.2 ROCKET MK 1 MOD 3 (SURFACE, HE, ASW) MOUSETRAP AMMUNITION



PURPOSE Forward-fired from surface craft, against enemy submarines. It can be fired from small craft which cannot withstand the recoil of projector ammunition.

PERFORMANCE W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70°F

RANGE (MAX)	300 YDS
BURNT VELOCITY	175 F/S
BURNING TIME	.40 SEC
THRUST (AV)	825 LBS
WT (AS FIRED)	62.22 LBS
WT (BURNT)	60.62 LBS

REFERENCES

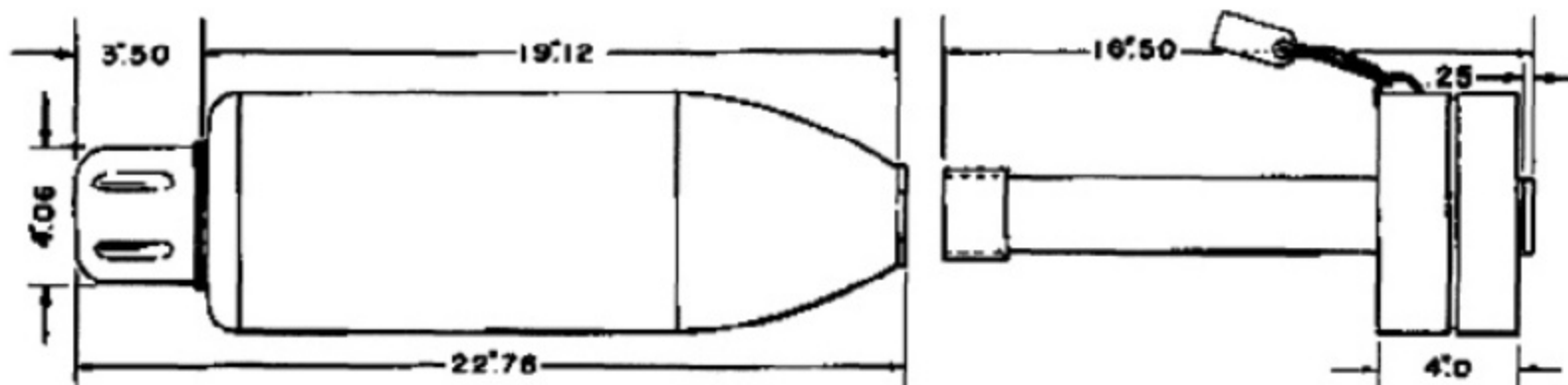
ORDNANCE PAMPHLETS

ROCKETS - OP 1002
FUZES - OP 1017 (MK 131 AND MK 156 AND MK 177)
LAUNCHERS - OP 1002, OP 1855 (MK 20 AND MK 22)
RANGE TABLES - OP 1437

BUORD DRAWINGS (OUTLINE DWG 329135)

COMPLETE ROUND		NOSE FUZE			BOOSTER	HEAD		MOTOR
MK & MOD	1-3	131-3, 6	156-0	177-0	1-0	5-0	11-0	3-2, 3
LOADED								
LIST OF DWGS	---	90989	109482	284495	---	108945	---	---
GEN ARRGT	(329136)	328804	438552	399741	327960	393836	---	329533
EMPTY								
LIST OF DWGS	---	---	---	---	---	108945	109346	108946
INERT PARTS	---	---	---	---	---	375642	423850	329932
CONTAINER	---	23-0		113-0	---	329967	329960	329968

7.2 ROCKET MK 1 MOD 3 (Cont'd)



HEAD

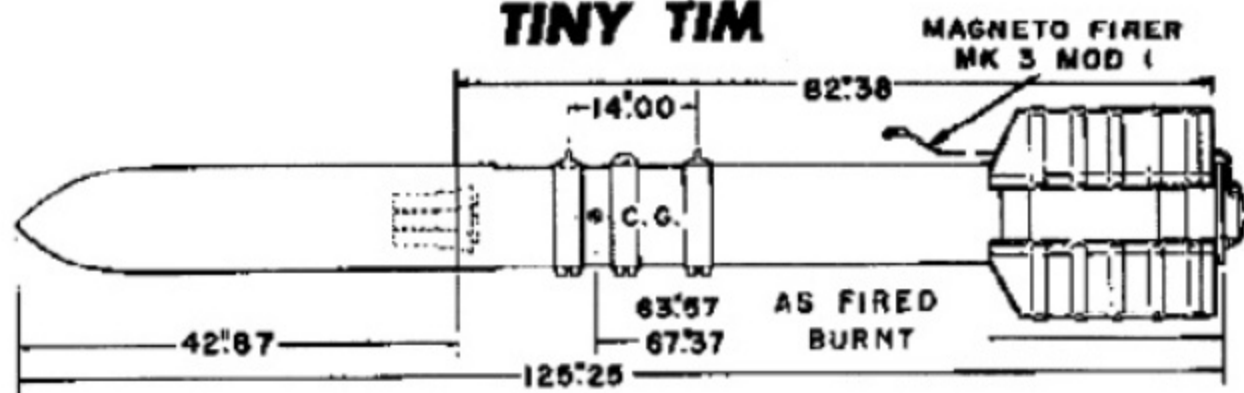
AMM LOT PREFIX,RMDF	MK 11-0	MK 5-0	WEIGHTS		
	DWG	DWG	AS FIRED	LOADED	INERT PARTS
FUZE CAP	423836-2,3	329292-2,3	---	.59	.59
GASKET	423836-9	329292-9	---	---	---
NOSE SHIPPING PLUG	330906-8	330906-8	---	---	---
CARDBOARD TUBE	330906-11	330906-11	---	---	---
MK 131 MODS	328804	328804	2.80	---	---
NOSE FUZE MK 156-0	438522	438522	2.80	---	---
MK 177-0	399141	399141	(3.75)	---	---
AUX BOOSTER MK 1	327960	327960	.53	.53	---
HEAD (EMPTY)	423850	375642	14.50	14.50	14.50
FILLER HBX-1	---	---	34.96	34.96	---
REAR SHIP PLUG	330906-12	330906-12	---	---	---
TOTAL WEIGHTS	---	---	52.79	50.58	15.09

MOTOR

AMM LOT PREFIX,RMBC	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
THREAD PROTECTOR	---	---	---	CARDBOARD TUBE	---
MOTOR (EMPTY)	---	329932	7.80	7.80	7.80
SHORT CIRCUIT CLIP	---	388830	---	---	---
REAR CLOSURE	---	388828-1	---	---	---
GRAIN	3-1	375029	1.55	1.55	---
IGNITER	104-0, 1	329534	.08	.08	---
FRONT CLOSURE DISK	---	388828-3	---	---	---
TOTAL WEIGHTS	---	---	9.43	9.43	7.80

11.75 ROCKET MK 3 MOD 0 (AIRCRAFT GP)

TINY TIM



PURPOSE Forward-fired from aircraft, against surface targets such as medium armored ships, coastal installations, bridge piers and abutments, storage facilities and other important targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	3.8 SEC
BURNT VELOCITY	810 F/S
BURNING TIME . . . . .	.91 SEC
THRUST (AV)	33,300 LBS
WT (AS FIRED)	1268.76 LBS
WT (BURNT)	1116.76 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1227

FUZES - OP 1017 (MK 163)

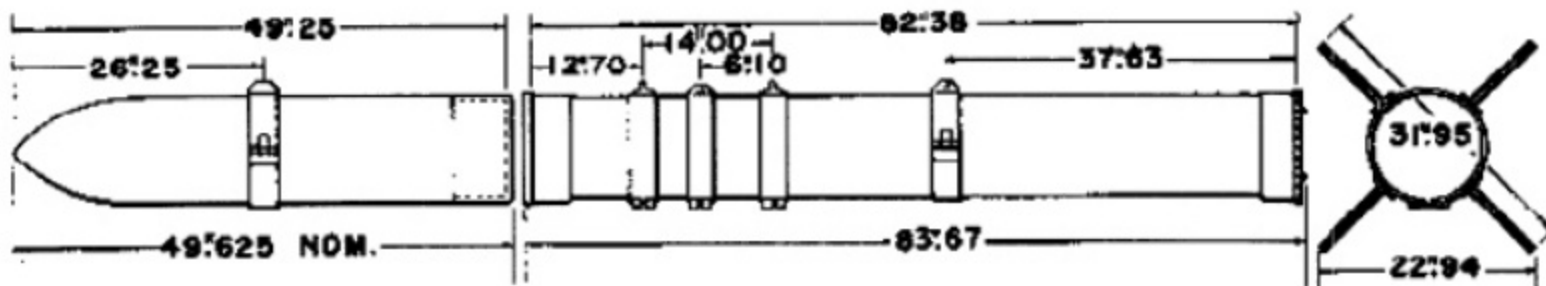
LAUNCHER OP 1227 (DROP LAUNCHED AND IGNITED BY MEANS OF
MAGNETO FIRER, SEE OCL AV2-47)

TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG 467087)

COMPLETE ROUND		BASE FUZE		BOOSTER	HEAD	MOTOR
MK & MOD	3-0	163-0	163-1	19-0	2-0	1-1
LOADED						
LIST OF DWGS	---	165238	165442	90874	139694	133186
GEN ARRGT	---	561459	561459	423888	479507	467034
EMPTY						
LIST OF DWGS	---	---	---	---	165002	133185
INERT PARTS	---	---	---	---	438591	467035
CONTAINER	NONE	50-1		---	NONE	1-1

11.75 ROCKET MK 3 MOD 0 (Cont'd)



HEAD

AMM LOT PREFIX, RHFA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
HEAD (EMPTY)	---	438590	393.00	393.00	393.00
HANDLING BAND	---	434503	---	5.00	5.00
FILLER, WAX	---	---	1.50	1.50	---
FILLER, TNT	---	---	148.50	148.50	---
CAVITY LINER (3)	---	434236	2.70	2.70	2.70
BOOSTER (3)	19-0	423888	1.59	1.59	---
BASE FUZE (3)	163-0,1	561459	10.35	10.35	---
BASE PLUG	---	434237	32.19	32.19	32.19
GASKET	---	434508	---	---	---
GAS CHECK	---	---	.50	.50	---
SHIPPING CAP GASKET	---	434507	---	---	---
SHIPPING CAP	---	434242	---	30.50	30.50
TOTAL WEIGHTS	---	---	590.33	625.83	463.39

MOTOR

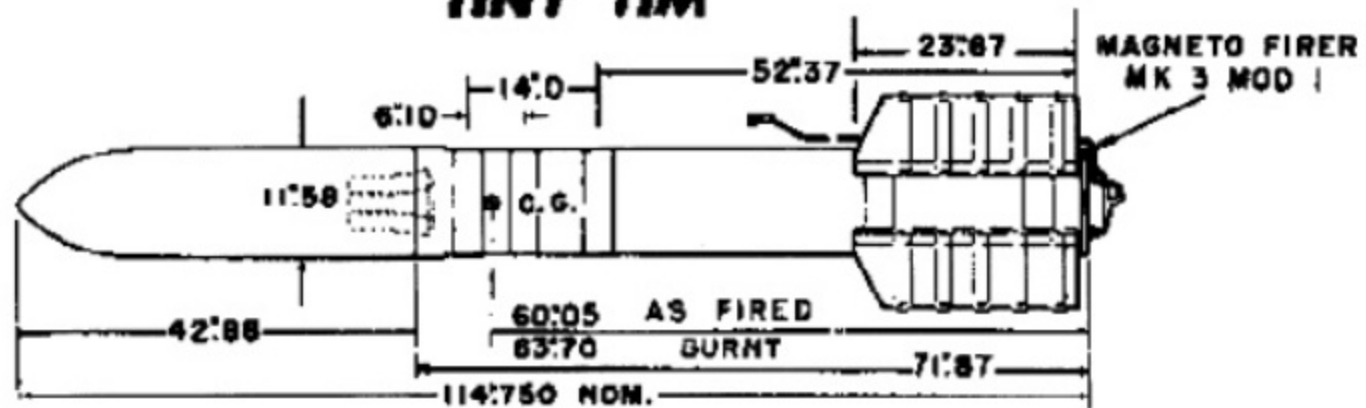
AMM LOT PREFIX, RMFA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	462558	---	21.28	21.28
GASKET	---	451334	---	---	---
MOTOR EMPTY	---	467035	337.14	337.14	337.14
HANDLING BAND	---	434503	---	5.00	5.00
NOZZLE SHIP COVER ASSY	---	451276 451277	---	2.83	2.83
CHARGE ASSY	---	467037	303.24	303.24	149.68
PROP GRAIN (4)	19-0	467041	(151.00)	(151.00)	---
IGNITER	119-0	451319	(.70)	(.70)	---
FELT PAD (4)	---	483500	(.84)	(.84)	---
FELT SPACER	---	483501	---	---	---
SHORT CIRCUIT PLUG (2)	---	446724	---	.42	.42
FRONT CLOSURE	---	451274	.85	.85	---
MAGNETO FIRER *	3-1	562635	2.20	---	---
FIN AND BAND ASSY **	---	467045	35.00	---	---
TOTAL WEIGHTS	---	---	678.43	670.76	516.35

* SHIPPED SEPARATELY.

** SHIPPED SEPARATELY IN 11.75 ROCKET CONTAINER MK 2 MOD 0.

11.75" ROCKET MK 3 MOD 4 (AIRCRAFT, GP)

TINY TIM



PURPOSE Forward fired from aircraft against surface targets such as medium armored ships, coastal installations, bridge piers and abutments, storage facilities and other important targets.

PERFORMANCE - W/ZERO LAUNCHER VELOCITY, AND PROPELLANT AT 70° F

TIME TO 1000 YDS	3.3 SEC
BURNT VELOCITY	900 F/S
BURNING TIME . . . . .	.91 SEC
THRUST (AV)	33,300 LBS
WT (AS FIRED)	1177.60 LBS
WT (BURNT)	1025.60 LBS

REFERENCES

ORDNANCE PAMPHLETS

ROCKETS - OP 1227

FUZES - OP 1017 (MK 163)

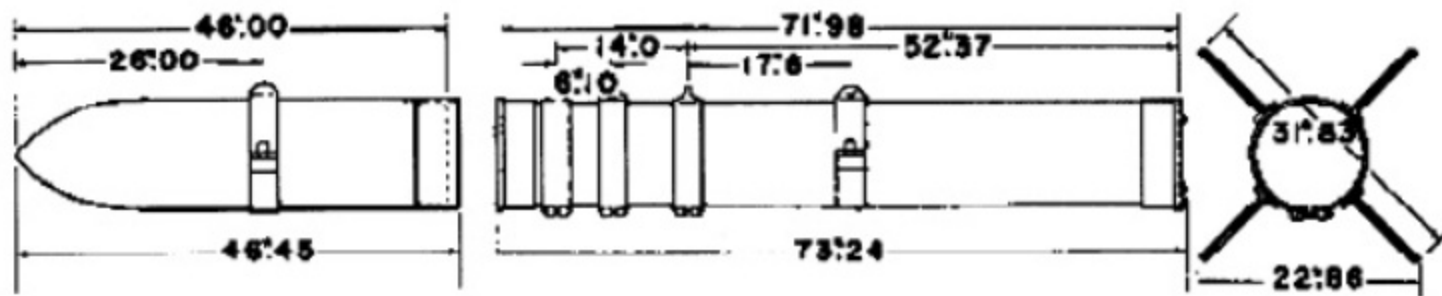
LAUNCHERS - OP 1227 (DROP LAUNCHED AND IGNITED BY MEANS OF
MAGNETO FIRER, SEE OCL AV2-47)

TRAJECTORY TABLES - OP 1829

BUORD DRAWINGS (OUTLINE DWG 656286)

COMPLETE ROUND		BASE FUZE		BOOSTER	HEAD		MOTOR
MK & MOD	3-4	163-0	163-1	19-0	4-1	4-2	2-0
LOADED							
LIST OF DWGS	174512	165238	165442	90874	165531	174511	174512
GEN ARRGT	656285	561459	561459	423888	655877	656284	467162
EMPTY							
LIST OF DWGS	---	---	---	---	165530	174510	166378
INERT PARTS	---	---	---	---	563175	656282	467161
CONTAINER	NONE	50-1		---	NONE		3-0

11.75 ROCKET MK 3 MOD 4 (Cont'd)



HEAD

AMM LOT PREFIX, RMFA	MK & MOD	DRAWINGS		WEIGHTS		
		4-1	4-2	FIRED	LOADED	INERT
HEAD (EMPTY)	---	563174	467171	381.00	381.00	381.00
HANDLING BAND	---	434503	434503	---	5.00	5.00
FILLER, WAX	---	---	---	1.50	1.50	---
FILLER, TNT	---	---	---	148.50	148.50	---
CAVITY LINER (3)	---	434236	434236	2.70	2.70	2.70
BOOSTER (3)	19-0	423888	423888	1.59	1.59	---
BASE FUZE (3)	163-0,1	561459	561459	10.35	10.35	---
BASE PLUG	---	434237	434237	32.19	32.19	32.19
GASKET	---	434508	434508	---	---	---
GAS CHECK	---	650866 650867	650866 650867	.50	.50	---
SHIP CAP GASKET	---	434507	592857	---	---	---
SHIPPING CAP	---	453362	556517	---	18.53	18.53
TOTAL WEIGHTS	---	---	---	578.33	601.86	439.42

MOTOR

AMM LOT PREFIX, RMFA	MK & MOD	DWG	WEIGHTS		
			AS FIRED	LOADED	INERT PARTS
FRONT SHIP PLUG	---	592859	---	21.28	21.28
GASKET	---	451334	---	---	---
MOTOR (EMPTY)	---	467161	263.70	263.70	263.70
HANDLING BAND	---	434503	---	5.00	5.00
NOZZLE SHIP COV ASSY	---	454633	---	2.42	2.42
CHARGE ASSY	---	467164	297.52	297.52	145.58
PROP GRAIN (4)	19-0	467041	(151.00)	(151.00)	---
IGNITER	119-0	451319	(.70)	(.70)	---
FELT PAD (4)	---	483500	---	(.84)	(.84)
FELT SPACER	---	483501	---	---	---
SHORT CIR PLUG (2)	---	446724	---	.42	.42
FRONT CLOSURE	---	451274	.85	.85	---
MAGNITO FIRER *	3-1	562635	2.20	---	---
FIN & BAND ASSY **	---	467176	35.00	---	---
TOTAL WEIGHTS	---	---	599.27	591.19	438.40

*SHIPPED SEPARATELY.

**SHIPPED SEPARATELY IN 11.75 ROCKET CONTAINER MK 2 MOD 0.

Chapter 3
ROCKET ASSEMBLIES AND COMPONENTS



2"25 ROCKETS (COMPLETE)

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD	
								CALIBER	MARK
AIRCRAFT									
Practice	1	0	29.20	1110	12.00	C. I. T.	C. I. T.	2"25	1
Practice	1	0	29.07	1110	12.00	424973	424974	2"25	3
Practice	2	0	34.30	700	19.10	C. I. T.	C. I. T.	2"25	2
Practice	2	0	34.20	700	19.10	424979		2"25	4
Practice	2	1	29.00	775	11.30	C. I. T.	C. I. T.	2"25	1
Practice	2	1	29.20	775	11.32	424975	424976	2"25	3
Dummy	3	0	29.07		12.00			2"25	3
Practice	4	0	29.07	1110	12.47			2"25	3
Dummy	5	0	29.07		12.47			2"25	3
Practice	6	0	29.07	1110	12.46			2"25	3

*See components lists for Containers.

2"5 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD	
								CALIBER	MARK
SURFACE									
Practice	1	0	17.03	175	8.74	330332	389044	2"5	1
Practice	1	1	17.03	175	8.74	330332	389044	2"5	1
Practice	1	2	16.61	175	8.74	330332	389044	2"5	1
Practice	1	3	16.61	175	8.74	330332	389044	2"5	1
AIRCRAFT									
Practice	2	0	15.90	200	7.30	389045	389046	2"5	2
Practice	2	1	15.90	200	7.30	389045	389046	2"5	2
Practice	2	2	15.40	200	7.30	389045	389046	2"5	2
Practice	2	3	15.40	200	7.30	389045	389046	2"5	2
Practice	3	0	19.80	300	7.10	C. I. T.	C. I. T.	2"5	3
Practice	3	1	17.94	300	7.02	C. I. T.	C. I. T.	2"5	3
Practice	3	2	19.60	300	7.10	C. I. T.	C. I. T.	2"5	3
Practice	3	3	17.94	300	7.02	C. I. T.	C. I. T.	2"5	3

*See components lists for Containers.
**BuOrd Dwg.

2"75 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD	
								CALIBER	MARK
AIRCRAFT									
Practice	1	0	47.85	2300	18.10	655034	655035	2"75	1
Practice	1	1	46.09	2300	18.77	656247	655057	2"75	1
HE	2	0	47.85	2300	17.99			2"75	1
HE	2	1	47.85	2300	17.99			2"75	1
HEAT	3	0	47.93	2300	18.12			2"75	6
HE	4	0	47.85	2300	17.79			2"75	1
HE	4	1	47.85	2300	17.79			2"75	1
HEAT	5	0	47.93	2300	17.92			2"75	5
HE	6	0	47.85					2"75	1
HE	6	1	47.85					2"75	1
HEAT	7	0	47.93					2"75	6
Practice	8	0	47.83	2300	19.09			2"75	1
Practice	9	0	47.83					2"75	1

ROCKET ASSEMBLIES AND COMPONENTS

ROUNDS) (AIRCRAFT)

HEAD—Continued		MOTOR			CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP 1187
MOD	LOAD	CALIBER	MARK	MOD	MARK	MOD		
0	Solid	2.75	10	0, 1	(*)	(*)	Subcaliber practice round for 3.5 Rocket with 3.25 Motors.	
2, 3	Solid	2.25	11	0, 1	(*)	(*)		
0	Solid	2.25	10	0, 1	(*)	(*)		
0	Solid	2.25	10	0, 1	(*)	(*)	Subcaliber practice round for 5.0 Rocket with 3.25 Motors.	
0	Solid	2.25	12	0	(*)	(*)		
2, 3	Solid	2.25	13	0, 1	(*)	(*)	Subcaliber practice round for 6.0 Rocket with 3.25 Motors.	
All	Solid	2.25	11	All	1, 2	0		
0, 2, 3	Solid	2.25	15	0, 2	1, 2	0	Inert loaded motor. To be superseded by Mk 6 Mod 0. Inert loaded motor	
0, 2, 3	Solid	2.25	16	4, 5, 6	1, 2	0		

(COMPLETE ROUNDS)

HEAD—Continued		MOTOR			CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP 1002
MOD	LOAD	CALIBER	MARK	MOD	MARK	MOD		
0, 1	Signal	1.25	1	0	(*)	(*)	Subcaliber practice rounds for 7.2 Ship-board Rocket ASW Mousetrap Ammunition.	
0, 1	Signal	1.25	1	1	(*)	(*)		
2, 3	Solid	1.25	1	0	**329048			
2, 3	Solid	1.25	1	1	(*)	(*)		
0, 1	Signal	1.25	1	0	(*)	(*)	Subcaliber practice rounds for 7.2 Rocket RETRO ASW. Released from PBV-3 and B-18 Aircraft.	
0, 1	Signal	1.25	1	1	(*)	(*)		
2, 3	Solid	1.25	1	0	(*)	(*)		
2, 3	Solid	1.25	1	1	(*)	(*)		
0, 1	Signal	1.25	4	0	(*)	(*)	Subcaliber practice rounds for 7.2 Rocket RETRO ASW. Released from B-24 and TBF-1 Aircraft.	
2, 3	Solid	1.25	4	0	(*)	(*)		
0, 1	Signal	1.25	4	1	(*)	(*)		
2, 3	Solid	1.25	4	1	(*)	(*)		

(COMPLETE ROUNDS)

HEAD—Continued		MOTOR			NOSE PLUG		CONTAINER		STATUS	REMARKS AND PUBLICATIONS (OP 1793)
MOD	LOAD	CALIBER	MARK	MOD	MARK	MOD	MARK	MOD		
0	Platr.	2.75	1	0						
0	Platr	2.75	1	1						
1, 3, 4, 5	HBX-1	2.75	1	3, 4	176	0, 1	*1	0	Current	
1, 3, 4, 5	HBX-1	2.75	1	3, 4	178	0, 1, 2	*1	0	Current	
0	Comp B.	2.75	1	3, 4	181	0	**1	0	Current	
1, 3, 4, 5	HBX-1	2.75	2	0, 1, 2, 3	176	0, 1	*1	0	Current	
1, 3, 4, 5	HBX-1	2.75	2	0, 1, 2, 3	178	0, 1, 2	*1	0	Current	
0	Comp B.	2.75	2	0, 1, 2, 3	181	0	**1	0	Current	
1, 3, 4, 5	HBX-1	2.75	3	0, 1, 2, 3	176	0, 1	*1	0	Current	
1, 3, 4, 5	HBX-1	2.75	3	0, 1, 2, 3	178	0, 1, 2	*1	0	Current	
0	Comp B.	2.75	3	0, 1, 2, 3	181	0	**1	0	Current	
1, 3, 4, 5	Platr.	2.75	2	0, 1, 2, 3			*1	0	Current	Dummy nose plug BuOrd dwg 458924.
1, 3, 4, 5	Platr.	2.75	3	0, 1, 2, 3			*1	0	Current	Dummy nose plug BuOrd dwg 458924.

*Also may be shipped in 2.75 Rocket Head Container Mk 12 and Aero 6A Type Launcher Container (Motors).
 **Also may be shipped in 2.75 Rocket Head Container Mk 17 and Aero 6A Type Launcher Container.

3"0 ROCKET

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ASSEMBLY DWG	OUT-LINE DWG	HEAD	
								CALIBER	MARK
AIRCRAFT									
Signal.....	15	0	32.46	300	4.80	375030	389039	2"92	5
Signal.....	15	1	32.46	300	4.80	375030	389039	2"92	5
Dummy.....			32.46		4.80			2"92	5
Signal.....	16	0	30.45	200	4.55	389040	389041	2"92	5
Signal.....	16	1	30.45	200	4.55	389040	389041	2"92	5
Dummy.....			30.45		4.55			2"92	5

3"25 ROCKET

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (mph)	NOM. RANGE (yd)	NOM. WEIGHT (lb.) (as fired)	OUTLINE DWG
SURFACE							
Target.....	1	0	72	425	1500	42	394732
Target.....	1	0	69	425	1500	46	
Target.....	1	1	75	425	1500		
Target.....	2	0	72	300	1000	41	394732
Target.....	2	0	89	300	1000	45	
Target.....	2	1	75	300	1000		

ROCKET ASSEMBLIES AND COMPONENTS

DRIFT SIGNAL

HEAD - CON.			MOTOR				AIRCRAFT (released MOD)	TYPE of SIGNAL	STATUS	REMARKS AND PUBLICATIONS NAVORD OHI AV 20-43 Assembly Instructions
MOD	DIAM. OF FIN	LENGTH (in.)	CALIBER	MARK	MOD	LENGTH (in.)				
4	4.10	19.37	1.25	2	0, 1	13.47	B-24	Flare	Current	Inert loaded head and motor.
4	4.10	19.37	1.25	2	1	13.47	B-24	Flare	Current	
4	4.10	19.37	1.25	2	0	13.47	B-24			
4	4.10	19.37	1.25	3	0, 1	11.34	B-18; PB.Y.	Flare	Current	Inert loaded head and motor.
4	4.10	19.37	1.25	3	1	11.34	B-18; PB.Y.	Flare	Current	
4	4.10	19.37	1.25	3	0	11.34	B-18; PB.Y.			

TARGETS

MOTOR			FIN		FLARE		STATUS	REMARKS AND PUBLICATIONS OP 1175
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD		
3.25	8	0	1	0			Superseded by 5.0 Rocket Mk 27 Mod 0,1 (Smoke target).	
3.25	10	0	2	0				
3.25	10	0	2	0	1	0, 1		
3.25	9	0	1	0				
3.25	11	0	2	0				
3.25	11	0	2	0	1	0, 1		

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD			
								CALIBER	MARK	MOD	LOAD
AIRCRAFT											
AP.....	1	0	54.6	1180	51.7	C. I. T.	C. I. T.	3.5	1, 2	0	Solid.....
AP.....	1	0	54.7	1120	55.2		422229	3.5	1, 2	0	Solid.....
AP.....	1	0	56.8	1120	55.6		422229	3.5	8	0, 1	Solid.....
GP.....	1	1									
Dummy.....	2	0	56.4		45.0		422220	3.5	1, 2, 8	All	Solid.....
Dummy.....	2	1	59.5		45.0			3.5	5	0	Pistr.....
Smoke.....	3	0	89.5	1145	55.2			3.5	6	0	FS.....
Smoke.....	3	1	89.5	1145	55.2			3.5	6	0	PWP.....
SURFACE											
Window.....	4	0									
Window.....	4	1	45.13	680	30.5	C. I. T.	C. I. T.	3.5	10	0	Mk 1-0..
Window.....	4	1	45.25	400	31.5			3.5	10	0	Mk 1-0..
Window.....	4	1	45.25	400	31.5			3.5	15	0	Mk 1-0..
Window.....	4	2		680	31.5	C. I. T.	C. I. T.	3.5	10	0	Mk 2-0..
Window.....	4	2		400	31.5			3.5	10	0	Mk 2-0..
Window.....	4	2	45.0	400	31.5			3.5	15	0	Mk 2-0..
Window.....	4	3	45.0	400	31.5			3.5	15	0	Mk 3-0..
Window.....	4	4	44.25	400	31.5			3.5	14	0	Mk 4-0..
Window.....	4	5	44.0	400	31.5			3.5	14	0	Mk 5-0..
Window.....	4	5	44.0	400	31.5			3.5	15	0	Mk 5-0..
Window.....	4	6									
Window.....	4	7									
Window.....	4	8	45.0	400	31.5			3.5	15	0	Mk 8-0..
HE SS.....	5	0	24.34	750	24.0	C. I. T.	C. I. T.	3.5	18	0	TNT.....
AIRCRAFT											
Flare.....	6	0	67.3	1200	51.7			3.5	15	0	Mk 7-1..
SURFACE											
Flare.....	7	0	45.3	400	50.0			3.5	15	0	Mk 7-0..
AIRCRAFT											
GP.....	8	0	39.5	1140	56.2			3.5	3, 5	0	TNT.....
AP.....	9	0	56.31	2110	56.36			3.5	8	1	Solid.....
Smoke.....	10	0	67.58	2110	56.27			3.5	6	0	FS, WP..

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS)

MOTOR			NONE FUSE		AUX. DPT. ON BOOSTER		BASE FUSE		STATUS	REMARKS AND PUBLICATIONS OP's 1157, 1576, 1331
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
3.25	6	0								Superseded by 3.5 Rocket Mk 9 Mod 0. 3.5 Head Mk 8 (ASW) being replaced by 6.0 Head Mk 29 (ASW). Changed to Mk 8 Mod 0.
3.25	7	0								
3.25	7	All							Not produced.	
3.25	7, 16	All								Inert loaded motor.
3.25	7, 16	All								
3.25	7	All	155	0						Superseded by 3.5 Rocket Mk 10 Mod 0.
3.25	7	All	155	0						
3.25	12	0					134	0	Not produced.	
3.25	14	0, 1					134	0	Current.	
3.25	14	1					134	0	Current.	
3.25	12	0					134	0	Current.	
3.25	14	0, 1					134	0	Current.	
3.25	14	1					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	All					134	0	Current.	
3.25	14	1					134	0	Not produced.	
3.25	14	0					134	0	Not produced.	
3.25	14	1			44	2			Current.	
3.25	18	0	100	0						Little Lulu, comparable to 75mm shell.
3.25	7	0	127	0						Superseded by 5.0 Rocket Flare Mk 38 Mod 0.
3.25	14	1	128	0						
3.25	7	0	148	0						
3.25	7	0	149	0						
3.25	16	5, 7, 8	None	None						
3.25	16	5, 7, 8	155	0, 1						

4.5 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARMO'T DWG	OUTLINE DWG	HEAD				
								CALIBER	MARK	MOD	LOAD	
SURFACE												
HE	1	0	30.0	355	28.7	C. I. T.	C. I. T.	4.5	1	0	TNT	
HE	1	0	30.0	355	28.7	C. I. T.	C. I. T.	4.5	2	0	TNT	
HE	1	0	30.0	355	28.7	320176	330176	4.5	3	0	TNT	
HE	1	1	30.0	355	28.7			4.5	3	0	TNT	
Practice	2	0	30.0	355	28.7			4.5	3	0	Plstr	
Dummy	3	0	30.0		26.2			4.5	3	0	Plstr	
Smoke	4	0		355	28.8	C. I. T.	C. I. T.	4.5	5	0	FS	
Smoke	4	0	37.2	355	28.8			4.5	7	0	FS	
Smoke	4	0	37.2	355	28.8			4.5	7	0	FS	
Smoke	4	0	36.7	355	28.8			4.5	10	0	FS	
Smoke	4	1	36.7	355	28.8			4.5	10	0	WP	
Smoke	4	1	37.2	355	28.8			4.5	7	0	WP	
Smoke	4	1	37.2	355	28.8			4.5	7	0	WP	
Smoke	4	2	36.7	355	28.8			4.5	10	0	PWP	
Incend	5	0	40.0	355	28.0			4.5	9	0	PT	

5.0 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARMO'T	OUTLINE DWG.	HEAD				
								CALIBER	MARK	MOD	LOAD	
AIRCRAFT												
GP	1	0	65.53	760	83.0		422505	5.0	1	0	TNT	
GP	1	0	65.04	745	83.0		422505	5.0	1	0	TNT	
GP	1	1	66.84	725	85.0		422506	5.0	1	0	TNT	
GP	1	1	65.53	750	83.0		422506	5.0	1	0	TNT	
GP	1	2	66.84	725	86.0		422506	5.0	1	0	TNT	
GP	1	2	66.84	725	86.0		422506	5.0	1	0	TNT	
GP	1	2	66.84	725	86.0		422506	5.0	1	0	TNT	
GP	1	3	65.53	725	86.0		422506	5.0	1	0	TNT	
GP	1	4	65.53	725	86.0		422506	5.0	1	0	TNT	
GP	1	4	65.53	725	86.0		422506	5.0	1	0	TNT	
GP	1	4	65.53	725	86.0		422506	5.0	1	0	TNT	
GP	1	5	66.84	725	86.0			5.0	1	0	TNT	
GP	1	5	66.8	725	86.0			5.0	1	1	TNT	
Practice	2	0	67.0	725	83.0		422506	5.0	1	0	Plstr	
Dummy	3	0	67.0		73.0			5.0	1	0	Plstr	
GP	4	0	68.6	1325	139	C. I. T.	C. I. T.	5.0	5	0, 1	TNT	
GP	4	0	68.6	1325	134			5.0	5	0, 1	TNT	
GP	4	0	68.0	1325	139			5.0	6	0	TNT	
GP	4	0	68.0	1325	134	467089	439901	5.0	6	1	TNT	
AIRCRAFT												
Practice	6	0	68.6	1325	134			5.0	6	1	Plstr	
Dummy	6	0	68.6	1325	134			5.0	6	1	Plstr	
SURFACE												
HE 88	7	0	31.50	1387	49.6	C. I. T.	C. I. T.	5.0	7	0	TNT	
HE 88	7	1										
HE 88	7	2	31.50	1387	49.6	467113	467114	5.0	7	1, 2, 3	TNT	
HE 88	7	3	31.50	1387	49.6			5.0	7	1, 2, 3	TNT	

See footnotes at end of table.

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS)

MOTOR			NOSE FUSE		AUX. DET. OR BOOSTER		CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP 1111
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
2.25	7	0	M52						Not available	C. I. T. Production. Designed to provide supporting barrage fire from Landing Craft (LCB) during last 1000 yards of approach to beach. Also fired from DUKW. Inert loaded head. Insert loaded head and motor.
2.25	8	0	137	0	3	0, 1				
2.25	9	0	137	0	3	0, 1	1, 2	0	Current	
2.25	9	0	146	0, 1	3	0, 1	1, 2	0		
2.25	9	0					1, 2	0		
2.25	9	0					1, 2	0		
2.25	8	0	137	2				0	Current	
2.25	9	0	137	2				0	Current	
2.25	9	0	154	3				0	Current	
2.25	9	0	154	3				0	Current	
2.25	9	0	154	3				0	Current	
2.25	9	0	154	3				0	Current	
2.25	9	0	154	2				0	Current	
2.25	9	0	137	0				0	Current	
2.25	9	0	154	3				0	Current	
2.25	9	0	132	0				0	Current	

(COMPLETE ROUNDS)

MOTOR			NOSE FUSE		AUX. DET. OR BOOSTER		BASE FUSE		CONTAINER*		STATUS	REMARKS AND PUBLICATIONS OPs 1157, 1239, 1260
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
3.25	7	0, 1, 3	148	0	3	0						Superseded by 5.0 Rocket Mk 37 All Mods.
3.25	7	0, 1, 3	149	0	3	0						
3.25	7	0, 1, 3	149	0	3	0	146	1				
3.25	7	0, 1, 3	148	0	3	0	146	1				
3.25	7	0, 1, 3	149	0	3	0	157	0				
3.25	7	0, 1, 3	149	0	3	0	160	0				
3.25	7	0, 1, 3	149	0	3	0	165	0				
3.25	7	0, 1, 3	148	0	3	0	146	1				
3.25	7	0, 1, 3	148	0	3	0	157	0				
3.25	7	0, 1, 3	148	0	3	0	160	0				
3.25	7	0, 1, 3	148	0	3	0	165	0				
3.25	7	0, 1, 3	172	0			157	0				
3.25	7	0, 1, 3	172	0			165	0				
3.25	7	0, 1, 3										
5.0	1, 2	0	149	0	3	1	157	0				
5.0	2	2, 3	149	0	3	1	157	0				
5.0	1, 2	0	149	0	3	1	159	0				
5.0	2	3	149	0	3	1	164	0				
5.0	2	3										Superseded by 5.0 Rocket Mk 39 Mod 0 (Practice).
5.0	2	3										
5.0	3	0, 2	100	0	44	2			10	0		Changed to Mk 24 Mod 0.
5.0	3	1, 4	100	2	44	2			10	0	Current	
5.0	3	1, 4	29	3	44	2			10	0	Current	

5"0 ROCKETS (COMPLETE)

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (In.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARMO'T	OUTLINE DWG.	HEAD			
								CALIBER	MARK	MOD	LOAD
SURFACE—Con. Practice SS.....	8	0	31.50	1387	49.6			5"0	7	0, 1, 2, 3	Pistr.....
Practice SS.....	8	1	28.81	1334	50.6			5"0	8	0, 1, 2	Pistr.....
Dummy SS.....	9	0	31.50		49.6			5"0	7	0, 1, 2, 3	Pistr.....
Dummy SS.....	9	1	31.50		49.6			5"0	8	0, 1, 2	Pistr.....
HE SS.....	10	0	32.0	778	50.3	C.I.T.	C.I.T.	5"0	10	0	TNT.....
HE SS.....	10	0	31.97	778	50.3	467066	467065	5"0	10	6, 7, 9	TNT.....
VT SS.....	10	1	31.66	778	50.41			5"0	10	9	TNT.....
VT SS.....	10	2	31.60	778	50.95	656381	656382	5"0	10	11	TNT.....
HE SS.....	10	3	31.97	778	49.94	656330	656338	5"0	10	12	TNT.....
Practice SS.....	11	0	32.0	778	50.3			5"0	10	All	Pistr.....
Dummy.....	12	0	50.3					5"0	10	All	Pistr.....
HE SS.....	13	0	31.97	408	51.86	467128	467127	5"0	12	0, 3	TNT.....
Practice SS.....	14	0	32.0	408	51.9			5"0	12	All	Pistr.....
Dummy SS.....	15	0	32.0		51.9			5"0	12	All	Pistr.....
HE SS.....	16	0	32.48	400	54.30	467155	467156	5"0	13	0	TNT.....
Practice SS.....	17	0	32.48	400	54.30			5"0	13	0	Pistr.....
Dummy SS.....	18	0			54.30			5"0	13	0	Pistr.....
Smoke SS.....	19	0	32.6					5"0	14	0	FS.....
AIRCRAFT Smoke HVAR.....	20	0	79.2	1325	140			5"0	4	0	
SURFACE Flare SS.....	21	0						5"0	18	0	
Flare SS.....	22	0				C. I. T.	C. I. T.	5"0	19	0	
AIRCRAFT GP.....	23	0	62.4	1325	137			5"0	2	1	EXP D..
GP.....	23	1	62.4	1325	137			5"0	2	1, 2	EXP D..
SURFACE AP SS.....	24	0	28.81	1334	50.59	467068	467067	5"0	8	0	EXP D..
AP SS.....	24	0	28.81	1334	50.59	467068	467067	5"0	8	0	EXP D..
AP SS.....	24	0	28.81	1334	50.59	467068	467067	5"0	8	1	EXP D..
AP SS.....	24	0	28.81	1334	50.59	467068	467067	5"0	8	1	EXP D..
AP SS.....	24	1	28.81	1334	50.83	656311	656312	5"0	8	2	EXP D..
Dummy SS.....	25	0	31.94		42.77	660845	660846	5"0	10	1	Pistr.....

See footnotes at end of table.

ROCKET ASSEMBLIES AND COMPONENTS

ROUNDS) Continued

MOTOR			NOSE FUSE		AUX. DWT. OR BOOSTER		BASE FUSE		CON-TAINER*		STATUS	REMARKS AND PUBLICATIONS OPs 1157, 1239, 1260
CAL- IBER	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
5.0	3	0,1,2, 4.							10	0		Practice round. (Inert head, live motor). For Rockets Mk 7 All Mods.
5.0	3	0,1,2, 4.							10	0		Practice round. (Inert head, live motor). For 5.0 Rockets Mk 24 All Mods.
5.0	3	0,1,2, 4.							10	0		Dummy round. (Inert head and motor). For 5.0 Rocket Mk 7 All Mods.
5.0	3	0,1,2, 4.							10	0		Dummy round. (Inert head and motor). For 5.0 Rockets Mk 24 All Mods.
5.0	4	0,2	30	3,4	44	2			10	0		
5.0	4	1,4	30	3,4	44	2			10	0	Current.	
5.0	4	1,4	173 174	4					10	0	Current.	W/o fuse cavity liner.
6.0	4	1,4		0					10	0	Current.	
5.0	4	1,4		173	4				10	0	Current.	
5.0	4	1,4	174	0					10	0	Current.	
5.0	4	1,4	30	3,4	44	2			10	0		Practice round. (Inert head, live motor). For 5.0 Rockets Mk 10 All Mods.
5.0	4	1,4							10	0		Dummy round. (Inert head and motor). For 5.0 Rockets Mk 10 All Mods.
5.0	4	All							10	0		
5.0	5	1,4	30	3,4	44	2			10	0	Current.	
5.0	5	All							10	0		Practice round. (Inert head, live motor). For 5.0 Rockets Mk 12 All Mods.
5.0	5	All							10	0		Dummy round. (Inert head and motor). For 5.0 Rocket Mk 13 All Mods.
5.0	6	1,4	30	3,4	52	2			10	0	Current.	
5.0	6	1,4							10	0		Practice round. (Inert head, live motor). For 5.0 Rockets Mk 16 All Mods.
5.0	6	1,4							10	0		Dummy round (Inert head and motor). For 5.0 Rockets Mk 16 All Mods.
5.0	4	1	30	3,4							Not pro- duced.	
5.0	2	All	149	0					(*)	(*)		HVAR.
5.0	4	0									Not pro- duced.	
5.0	1	1									Not pro- duced.	
5.0	2	3					168	0				} Superseded by 5.0 Rocket Mk 35 Mod 0.
5.0	2	4					168	0				
5.0	3	0,2					36	0	10	0		} W/o fuse cavity liner.
5.0	3	0,2					31	0	10	0		
5.0	3	1,4					31	0	10	0	Current.	
5.0	3	1,4					36	0	10	0	Current.	
5.0	3	1,4					31	2	10	0	Not pro- duced.	
5.0	0	0							10	0		Cycling test round for launcher Mk 102. Inert head and motor.

5"0 ROCKETS (COMPLETE)

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRGT	OUTLINE DWG.	HEAD				
								CALIBER	MARK	MOD	LOAD	
AIRCRAFT												
GP.....	26	0	68.6	1325	134			5"0	6	1	TNT.....	
GP.....	26	0	68.6	1325	134			5"0	6	1	TNT.....	
SURFACE												
Target Smoke SS..	27	0	29.15	778	43.69	660860	660861	5"0	21	0, 1	M-18 Grenade.	
AIRCRAFT												
GP.....	28	0	68.5	1325	134			5"0	6	1	TNT.....	
GP.....	28	1	68.5	1325	134			5"0	6	1	TNT.....	
GP.....	28	2	68.5	1325	134			5"0	6	1	TNT.....	
GP.....	28	3	68.5	1325	134			5"0	6	1	TNT.....	
GP.....	28	4	68.10	1325	138.49	655884	655885	5"0	6	1	TNT.....	
VT.....	28	5	69.68	1325	138.91			5"0	8	4	TNT.....	
Practice.....	29	0	25.0	1350	40.8			5"0	28	0	Inert.....	
HE.....	30	0	25.0	1350	40.8			5"0	22	0, 2	HBX-1..	
VT.....	30	1	25.0	1360	40.8			5"0	22	1, 3	HBX-1..	
Dummy.....	31	0	25.0		40.8			5"0	23	0	Inert.....	
HEAT.....	32	0			140			5"0	25	0	Comp B	
HEAT.....	32	1	84.02	1325	140.37			5"0	25	1, 2	Comp B..	
Practice.....	33	0			115	656638		5"0	24	0	Inert.....	
AP.....	34	0	64.81	1325	138.51			5"0	29	0	EXP D..	
AP.....	35	0	61.94	1325	138.26			5"0	2	2	EXP D..	
SM.....	36	0	84.98	1325	140.71			5"0	4	1	PWP.....	
GP.....	37	0	66.82	715	89.54			5"0	1	0	TNT.....	
GP.....	37	1		715				5"0	1	0	TNT.....	
VT.....	37	2	68.35	715	89.76			5"0	1	1	TNT.....	
Flare.....	38	0	76.51	1325	134.87			5"0	28	0	PYRO..	
	39	0	66.15	1325	138.87			5"0	6	1	Flstr.....	

*See components list for container.
**Ex 110A Mod 0.

6"5 ROCKETS (COMPLETE)

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRGT DWG	OUTLINE DWG	HEAD	
								CALIBER	MARK
AIRCRAFT:									
HEAT.....	1	0	91.3	1325	144.0			6"5	1
HEAT.....	1	0	91.3	1325	144.0			6"5	1
HEAT.....	1	1	91.3	1325	140.1	656256	656223	6"5	2
HEAT.....	1	1	91.3	1325	140.1	656256	656223	6"5	2
HEAT.....	1	1	91.3	1325	140.1			6"5	2

ROCKET ASSEMBLIES AND COMPONENTS

ROUNDS) — Continued

CALIBER	MOTOR		NOSE FUZE		AUX. DMT. OR BOOSTER		BASE FUZE		CON-TAINER*		STATUS	REMARKS AND PUBLICATIONS OPs 1157, 1239, 1260
	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
5"0	2	4	149	0	3	1	159	1			} Superseded by 5"0 Rocket Mk 28 Mod 4.	
5"0	2	4	149	0	3	1	164	0				
5"0	4	1, 4							10	0	Current	Used as a fast moving target for gun fire practice.
5"0	10	0	149	0	3	1	164	0				
5"0	10	1	149	0	3	1	164	0				
5"0	10	2	149	0	3	1	164	0				
5"0	10	3	149	0	3	1	164	0				
5"0	10	6	149	0, 1	3	1	164	0			Current	
5"0	10	6	172	2			164	0			Current	
5"0	11	0							26	0		
5"0	11	0	XR	39A	XR	40A			26	0		} Experimental for 5"0 GARR (Development completed). See NAVORD Report 1927.
5"0	11	0	EX	103					26	0		
5"0	11	0							20	0		
5"0	10	6	149	0								
5"0	10	6	149	0							Current	
5"0	12	0	None	None								HPAG. ASW use.
5"0	10	6	None	None			166	0, 2			Current	
5"0	10	6	None	None			166	0, 2			Current	
5"0	10	6	None	None			None	None			Current	
5"0	10	6	149	0, 1								
3"25	16	5, 7, 8	149	0, 1	3	0	165	0				
3"25	16	5, 7, 8					165	0				
3"25	16	5, 7, 8	172	2			165	0				
5"0	10	6	(**)								Experimental	
5"0	10	6									Current	

ROUNDS) (ATAR)

HEAD—COLL.		MOTOR			NOSE FUZE		BASE FUZE		STATUS	REMARKS AND PUBLICATIONS
MOD	LOAD	CALIBER	MARK	MOD	MARK	MOD	MARK	MOD		
0	Comp B	5"0	2	All			NOTS MODEL 10-D		NAVORD Report 1243. Superseded by Mk 1 Mod 1.	
0	Comp B	5"0	10	0-5						
0, 1	Comp B	5"0	2	3, 4		456957	NOTS MODEL 11-B 660893		(Limited quantity available. Superseded by 5"0 Rocket Mk 32 Mod 1).	
0, 1	Comp B	5"0	10	0-5		456957				
1	Comp B	5"0	10	6				Current		

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL DRGT DWG	OUTLINE DWG	HEAD			
								CALIBER	MARK	MOD	LOAD
SURFACE											
Shipboard HE	1	0		175	60.0	C. I. T.	C. I. T.	7.2	1	0	TNT
Shipboard HE	1	0	35.5	175	60.1	C. I. T.	C. I. T.	7.2	3	0	TNT
Shipboard HE	1	0		175	62.5			7.2	4	0-3	TNT
Shipboard HE	1	0		175	63.0			7.2	4	0-3	TNT
Shipboard HE	1	0		175	62.0			7.2	4	0-3	TNT
Shipboard HE	1	0		175	62.0			7.2	4	0-3	TNT
Shipboard HE	1	0	35.0	175	57.5			7.2	5	0	TNT
Shipboard HE	1	0			58.5			7.2	5	0	TNT
Shipboard HE	1	0		175	58.0			7.2	5	0	TNT
Shipboard HE	1	0		175	58.0			7.2	5	0	TNT
Shipboard HE	1	0		175	58.0			7.2	5	0	TNT
Shipboard HE	1	0		175	58.0			7.2	5	0	TNT
Shipboard HE	1	0		175				7.2	11	0	TNT
Shipboard HE	1	0		175				7.2	11	0	TNT
Shipboard HE	1	0		175				7.2	11	0	TNT
Shipboard HE	1	1	38.7	175	68.0	329135	329136	7.2	4	0-3	TPX
Shipboard HF	1	1	38.7	175	68.0			7.2	4	0-3	TPX
Shipboard HE	1	1	38.7	175	68.0			7.2	4	0-3	TPX
Shipboard HF	1	1	38.7	175	68.0			7.2	4	0-3	TPX
Shipboard HF	1	1	36.4	175	61.4			7.2	5	0	TPX
Shipboard HE	1	1	36.4	175				7.2	5	0	TPX
Shipboard HE	1	1	36.4	175				7.2	5	0	TPX
Shipboard HE	1	1	36.4	175				7.2	5	0	TPX
Shipboard HE	1	1	36.4	175				7.2	5	0	TPX
Shipboard HE	1	1	36.4	175				7.2	5	0	TPX
Demo HE	1	2	34.5	175	60.4			7.2	10	0	TNT
Demo HE	1	2	34.5	175	60.4			7.2	10	1	TNT
Shipboard HE	1	3	36.44	175	62.22	329136	329135	7.2	5	0	HBX-1
Shipboard HE	1	3	36.44	175	62.22			7.2	5	0	HBX-1
Shipboard HE	1	3	36.44	175	63.17			7.2	5	0	HBX-1
Shipboard HE	1	3	36.44	175	62.22			7.2	11	0	HBX-1
Shipboard HE	1	3	36.44	175	62.22			7.2	11	0	HBX-1
Shipboard HE	1	3	36.44	175	63.17			7.2	11	0	HBX-1
Practice	2	0		175	62.0			7.2	1	0	Plstr
Practice	2	0		175	62.0			7.2	4	0-3	Plstr
Practice	2	0		175	62.0			7.2	5	0	Plstr
Dummy	3	0			62.0			7.2	1	0	Plstr
Dummy	3	0	38.7		62.0	329135	329136	7.2	4	0-3	Plstr
Dummy	3	0			62.0			7.2	5	0	Plstr
AIRCRAFT											
RETRO HE	4	0		175	60.0	329135	329136	7.2	3	0	TNT
Practice RETRO	5	0		175	60.0			7.2	3	0	Plstr
Dummy RETRO	6	0			60.0			7.2	3	0	Plstr
RETRO HE	7	0	38.8	200	67.0		393681	7.2	5	0	TPX
RETRO HE	7	0	39.0	200	67.0	C. I. T.	C. I. T.	7.2	6	0	TPX
Practice RETRO	8	0	38.8	200	67.0		393681	7.2	5	0	Plstr
Practice RETRO	8	0		200	67.0	C. I. T.	C. I. T.	7.2	8	0	Plstr
Dummy RETRO	9	0			67.0			7.2	5	0	Plstr
RETRO HE	10	0		300	67.0			7.2	6	0	TPX
Practice RETRO	11	0		300	67.0			7.2	6	0	Plstr
RETRO HE	12	0		400	71.0			7.2	6	0	TPX
Practice RETRO	13	0		400	71.0			7.2	6	0	Plstr

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS)

MOTOR			NOSE FUSE		AUX. DET. OR BOOSTER			CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP 1002
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD	No. REQ'D	MARK	MOD		
2.75	1	0	135	0	1	0	1			Not available.	Mk 4 Heads issued for 7.2 Projector Charge only using Fuses Mk 136, 158 and 177. (Shipboard ASW). (Lighter than air units). (Motor empty). Demolition. Used for underwater beach clearance. (Shipboard) (ASW).
2.75	3	1	135	0	1	0	1			Not available.	
2.75	3	3	131	0	1	0	1	1	0	Not current.	
2.75	3	3	135	0	1	0	1	1	0	Not current.	
2.75	3	3	140	0	2	0	2	1	0	Not current.	
2.75	3	3	156	0	1	0	1	1	0	Not current.	
2.75	3	3	131	0	1	0	1	1	0	Current.	
2.75	3	All	140	0	2	0	1			Current.	
2.75	3	3	141	0	1	0	1			Current.	
2.75	3	3	152	0	1	0	1			Current.	
2.75	3	3	152	0	1, 2	0	1			Current.	
2.75	3	3	156	0	1	0	1			Current.	
2.75	3	3	177	0	1	0	1			Current.	
2.75	3	3	131	3, 8	1	0	1			Current.	
2.75	3	3	156	0	1	0	1			Current.	
2.75	3	3	177	0	1	0	1			Current.	
2.75	3	2	131	0	1	0	1			Not issued.	
2.75	3	2	135	0	1	0	1				
2.75	3	2	140	0	2	0	2				
2.75	3	2	156	0	1	0	1				
2.75	3	2	131	0	1	0	1				
2.75	3	2	140	0	2	0	2				
2.75	3	2	141	0	1	0	1				
2.75	3	2	152	0	1	0	1				
2.75	3	2	152	0	1, 2	0	1				
2.75	3	2	156	0	1	0	1				
2.75	3	3				146	0, 1				
2.75	3	3				181	0			Current.	
2.75	3	2	131	3, 6	1	0	1			Current.	
2.75	3	2	156	0	1	0	1			Current.	
2.75	3	2	177	0	1	0	1			Current.	
2.75	3	2	131	3, 6	1	0	1			Current.	
2.75	3	2	156	0	1	0	1			Current.	
2.75	3	2	177	0	1	0	1			Current.	
2.75	1	0									
2.75	3	3								Practice rounds for 7.2 Rocket Mk 1 Mods 0, 1, 3.	
2.75	3	3									
2.75	1	0								Dummy rounds for 7.2 Rocket Mk 1 Mods 0, 1, 3. (Inert loaded motors).	
2.75	3	All									
2.75	3	All									
2.75	3	0	135	0	1					Not available.	
2.75	3	0									
2.75	3	0									
2.75	4	0, 1	139	0	1, 2	0	1				
2.75	1	0	139	0	1	0	1				
2.75	4	0, 1									
2.75	1	0									
2.75	4	0, 1									
3.75	4	0	139	0	1	0	1				
2.75	2	0									
3.75	3	0	139	0	1	0	1				
2.75	3	0									

7"2 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD			
								CALIBER	MARK	MOD	LOAD
AIRCRAFT—Con. Dummy RETRO.....	14	0	-----	-----	-----	-----	-----	7"2	0	0	Plstr.....
Dummy RETRO.....	15	0	-----	-----	-----	-----	-----	7"2	0	0	Plstr.....
Dummy RETRO.....	16	0	-----	-----	-----	-----	-----	7"2	0	0	Plstr.....
SURFACE Shipboard Practice..	17	0	37.1	-----	68.26	489948	-----	7"2	4	0	Inert.....
Smoke.....	18	0	45.1	680	53.2	C.I.T.	C.I.T.	7"2	7	0	FS.....
Demo HE.....	19	0	44.0	680	53.2	C.I.T.	C.I.T.	7"2	9	0	TNT.....
								7"2	9	0	TNT.....

11"75 ROCKETS

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps)	NOM. WEIGHT (lb.) (as fired)	GENERAL ARRO'T DWG	OUTLINE DWG	HEAD	
								CALIBER	MARK
AIRCRAFT									
Dummy.....	1	0	127.00	-----	1285	C.I.T.	C.I.T.	-----	-----
Dummy.....	1	1	125.00	-----	1285	467071	467072	-----	-----
Dummy.....	2	0	114.75	-----	1175	467185	467184	-----	-----
GP.....	3	0	123.00	810	1268	C.I.T.	C.I.T.	11"75	1
GP.....	3	0	123.00	810	1268	-----	-----	11"75	1
GP.....	3	0	125.25	810	1268	-----	467067	11"75	2
GP.....	3	0	125.25	810	1268	-----	467067	11"75	2
GP.....	3	1	117.00	830	1255	467109	-----	11"75	1
GP.....	3	1	117.00	830	1255	467109	-----	11"75	1
GP.....	3	1	119.00	830	1255	467109	-----	11"75	2
GP.....	3	1	119.00	830	1255	467109	-----	11"75	2
GP.....	3	2	119.00	830	1255	-----	-----	11"75	2
GP.....	3	3	114.75	900	1177	-----	-----	11"75	4
GP.....	3	4	114.75	900	1177	650285	650286	11"75	4
Practice.....	4	0	126.00	830	1265	-----	-----	11"75	3
Practice.....	4	1	113.66	800	1177	-----	-----	11"75	5

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS)—Continued

MOTOR		NOSE FUZE		AUX. DET. OR BOOSTER			CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP 1002
CALIBER	MARK MOD	MARK MOD	MARK MOD	MARK MOD	No. Req'd	MARK MOD				
3.25	1 0								Dummy for 7.2 Rocket (RETRO) Mk 7 Mod 0 (Inert loaded motor).	
3.25	2 0								Dummy for 7.2 Rocket (RETRO) Mk 10 Mod 0 (Inert loaded motor).	
3.25	3 0								Dummy for 7.2 Rocket (RETRO) Mk 12 Mod 0 (Inert loaded motor).	
3.25	3 0								With Depth Charge Mk 15-0 installed in deep well of head with 3 1/2 oz. flash powder. Assembly is launched in practice attacks on submarines equipped with sono-optical gear.	
3.25	5 0	137						Current	7.2 Chemical Warfare Rockets (T-21 (FE) and T-24 (TNT) Army Designations) (Fired from multi-rail launcher mounted on 2 1/2 ton trucks).	
3.25	5 0	147						Current		
3.25	5 0	137						Current		
3.25	5 0	147						Current		

(COMPLETE ROUNDS)

HEAD—CHG.		MOTOR		AUX. DET. OR BOOSTER		BASE FUZE		STATUS	REMARKS AND PUBLICATIONS OP 1227
MOD	LOAD	CALIBER	MARK MOD	MARK MOD	MARK MOD	MARK MOD			
									C.I.T.
									Head and motor integral.
									C.I.T.
0	TNT	11.75	1 0,1	2	0	157	1,2		
1	TNT	11.75	1 0,1	2	0	163	0,1		
0	TNT	11.75	1 0,1	1	0	157	2		
0	TNT	11.75	1 0,1	10	0	163	0,1	Current	(Long round.)
0,1	TNT	11.75	1 2,3	2	0	157	1,2		
0	TNT	11.75	1 2,3	2	0	163	0,1		
0	TNT	11.75	1 2,3	1	0	157	2		(Interim short.)
0	TNT	11.75	1 2,3	10	0	163	0,1		
1	TNT	11.75	1 3	10	0	162	0		
0	TNT	11.75	2 0	10	0	162	0		
1,2	TNT	11.75	2 0	10	0	162	0,1	Current	(Ultra short.)
0,1,2	Inert	11.75	1 0,1						Practice round (Long).
1,2	None	11.75	2 0						Practice round (Ultra short).

12.75 ROCKETS (COMPLETE)

DESCRIPTION OR PURPOSE	MARK	MOD	NOM. LENGTH (in.) (as fired)	NOM. VELOCITY (fps.)	NOM. WEIGHT (lb.) (as fired)	GENERAL ASSEMBLY DWG	OUTLINE DWG.	HEAD				
								CALIBER	MARK	MOD	LOAD	
SURFACE												
VT	1	0	102.12	280	515.98	655977	656008	12.75	1	2	HBX-1	
Practic	2	0		280				12.75	1	2	Pletr	

1.25 ROCKET

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASSEMBLY DWG	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
1	0	Fin	RMAA	11.00	1.55	388837	4	0, 1	105	0, 1
1	1	Fin	RMAE	11.00	1.55	388837	4	0, 1	105	0, 1
2	0	Fin	RMAB	13.47	1.80	375028	4	0, 1	105	0, 1
2	1	Fin	RMAF	13.47	1.80	375028	4	0, 1	105	0, 1
3	0	Fin	RMAC	11.34	1.55	388832	5	0, 1	105	0, 1
3	1	Fin	RMAG	11.34	1.55	388832	5	0, 1	105	0, 1
4	0	Fin	RMAD	13.50	1.87	655870	12	0, 1	105	0, 1
4	1	Fin	RMAH	13.50	1.87	655872	12	0, 1	105	0, 1
5	0	Fin	RMAD	13.50	1.87	655886	12	1	105	0, 1

ROCKET ASSEMBLIES AND COMPONENTS

ROUNDS) (ASW)

MOTOR			DEPTH CHARGE PISTOL		AUX. DET. OR BOOSTER		FIRING MECHANISM		CONTAINER		STATUS	REMARKS AND PUBLICATIONS OP's 1792, 2027
CALIBER	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD	MARK	MOD		
5"25	1	0	15	1	22	0	15	0	2, 3	0		
5"25	1	0							2, 3	0		

MOTORS

ELECTRIC CONNECTOR		BURNING TIME (sec.)	THRUST (lb.)	FIN DIAM. (in.)	DIS- YANCE BE- YWEEN LUGS (in.)	CONTAINER		STATUS	REMARKS AND PUBLICATIONS	
MARK	MOD					MARK	MOD			
	HH	0.10	270	2.50	None		394219	Current	Used with 2"5 Rocket Mk 1 All Mods. Subcaliber practice ASW Minnie Mouse 175 F/S.	
	AN	.16	270	2.50	None		394219	Current	Used with 2"5 Rocket Mk 2 All Mods. Subcaliber practice ASW 200 F/S. RETRO.	
	HH	.16	270	None	None		388838	Current	Used with 3"0 Drift Signal Night Mk 15 Mods 0, 1 200 F/S. (RETRO).	
	AN	.16	270	None	None		388838	Current		
	HH	.15	200	None	None		388839	Current		
	AN	.15	200	None	None		388839	Current	Used with 2"0 Drift Signal Night Mk 16 Mods 0, 1 200 F/S. (RETRO).	
	HH	.19	320	2.50	None		1	0, 1	Used with 2"5 Rocket Mk 3 All Mods. Subcaliber Practice ASW 300 F/S. (RETRO).	
	AN	.19	320	2.50	None		1	0, 1		
16	0	.19	320	2.50	None		1	0	Current	Used with NAE Beacon.

MARK	MOD	SPIN OR FIN	ARM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y DWG	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
1	0	Fin	RMBA		7.80	C. I. T.	1	0	104	1
2	0									
3	0	Fin	RMBA	16.50	9.45	329533	1	0	104	0
3	1	Fin	RMBA	16.50	9.45	329533	2	0	104	0
3	2	Fin	RMBC	16.50	9.45	329533	3	0, 1	104	0
3	3	Fin	RMBD	16.50	9.45	329533	10	0	108	0
4	0					C. I. T.				
5	0									
6	0									
7	0	Fin	RMBE		7.93	C. I. T.	1	0	104	1
8	0	Fin	RMBE	15.6	7.93	C. I. T.	1	0	104	1
9	0	Fin	RMBE	16.50	8.00	389013	1	0	108	0
10	0	Fin	RMBF	26.00	10.40	C. I. T.	16	0, 1	119	0, 1, 2
10	1	Fin	RMBF	26.20	10.30	C. I. T.	16	0, 1	112	0, 1, 2
11	0	Fin	RMBF	26.10	10.74	424982	16	0, 1	112	0, 1, 2
11	1	Fin	RMBF	26.29	10.89	467916	16	0, 1	112	0, 1, 2
11	2	Fin	RMBF	26.29	10.89	982422				
12	0	Fin	RMBG	26.00	8.30	C. I. T.	17	0	113	0
13	0	Fin	RMBG	26.10	9.60	424983	17	0	113	0
13	1	Fin	RMBG	26.28	9.75	467920	17	0	113	0
14	0	Fin	RMBG	26.10	9.63	561532	17	0	113	0
14	1	Fin	RMBG	26.28	9.75	561920	17	0	113	0
14	2	Fin	RMBG	26.10	9.60	592875	17	0	113	0
15	0	Fin	RMBF	26.18	10.40	513171	16	0, 1	112	0, 1, 2
15	2	Fin	RMBF	26.18	10.90		16	0, 1	112	0, 1, 2
16	0	Fin	RMBF	26.29	10.90		16	0, 1	112	0, 1, 2
16	1	Fin	RMBF	26.29	10.89		16	0, 1	112	0, 1, 2
16	2	Fin	RMBF	26.29	10.89		16	0, 1	112	0, 1, 2
16	3	Fin	RMBF	26.29	10.89		16	0, 1	112	0, 1, 2
16	4	Fin	RMBF	26.29	10.89		16	0, 1	112	0, 1, 2
16	5	Fin	RMBF	26.10	10.74		16	0, 1	112	0, 1, 2
16	6	Fin	RMBF	26.29	10.89		16	0, 1	112	0, 1, 2
17	0	Fin	RMBG	26.20	9.75		17	0	113	0
17	1	Fin	RMBG	26.20	9.75		17	0	113	0
17	2	Fin	RMBG	26.20	9.75		17	0	113	0
17	3	Fin	RMBG	26.20	9.75		17	0	113	0
17	4	Fin	RMBG	26.20	9.75		17	0	113	0

*See Ord Dwg No.
 **2 1/2" Rocket Computer MK I, Mod 0 and Mod 2 also accommodate complete round.

ROCKET ASSEMBLIES AND COMPONENTS

MOTORS

ELECTRIC CONNECTOR		BURNING TIME (sec.)	THRUST (lb.)	FIN DIAM. (in.)	DISTANCE BETWEEN LUGS (in.)	CONTAINER *		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD					MARK	MOD		
		0.35	910	7.0					Used with 7.2 Rocket (ASW). Used with British Hedgehog.
		.35	910	7.0			*329968		Used with 7.2 Rocket (ASW). Used with 7.2 Rocket (ASW) (HBX-1). Used with 7.2 Rocket (ASW) (TNT). Used with British HEDGEHOG.
		.45	800	7.0			*329968	Current	
		.40	825	7.0			*329968	Current	
		.38	790	7.0			*329968 **2	0 Not produced. Not produced.	
		.38	815	4.5			*330182		Used with 4.5 Rocket.
		.38	815	4.5			*330182	Current	
		.38	815	4.5			*330182	Current	
4	0	.54	710	8.25			*1, 2	0	Used with 2.25 SCAR. Subcaliber for 5.0 HVAR. Superseded by Mk 11 All Mods.
4	0	.54	710	8.25	18.50		**1, 2	0	Used with 2.25 SCAR. Subcaliber for 5.0 HVAR. Superseded by Mk 16 Mods 4, 3, 0.
4	0	.54	710	8.30	18.50		**1, 2	0	
4	0	.54	710	8.30	18.50		**1, 2	0	Same as Mk 11 Mod 1 except made from welded tubing.
4	0	.47	525	8.25	18.50		**1	0	Used with 2.25 SCAR. Subcaliber for 5.0 AR. Superseded by Mk 18 Mod 0 (BuOrd).
4	0	.47	525	8.25	18.50		1, 2	0	Used with 2.25 SCAR. Subcaliber for 5.0 AR. Superseded by Mk 17 All Mods.
4	0	.47	525	8.25	18.50		1, 2	0	Used with 2.25 SCAR. Subcaliber for 5.0 AR. Mk 13 Mod 0 Metal Parts used.
4	0	.47	525	8.25	18.50		1, 2	0	
4	0	.47	525	8.25	18.50		1, 2	0	Used with NAE Beacon.
4	0	.47	525	8.25	18.50		1, 2	0	Mk 13 Mod 0 Metal Parts used.
12	2	.54	710	8.30	8.0		1, 2	0	Current. Used with 2.25 SCAR. Subcaliber for 5.0 HVAR. Seamless tubing.
12	2	.54	710	8.30	8.0		1, 2	0	Current.
10	0	.54	710	8.30	18.50		1, 2	0	Mk 11 Mod 1 Metal Parts used. Used with 2.25 SCAR for 5.0 HVAR.
10	1	.54	710	8.30	18.50		1, 2	0	
10	2	.54	710	8.30	18.50		1, 2	0	
10	3	.54	710	8.30	18.50		1, 2	0	
10	4	.54	710	8.30	18.50		1, 2	0	
10	4	.54	710	8.30	18.50		1, 2	0	
10	4	.54	710	8.30	18.50		1, 2	0	
10	4	.54	710	8.30	18.50		1, 2	0	
10	0	.47	525	8.25	18.50		1, 2	0	
10	1	.47	525	8.25	18.50		1, 2	0	
10	2	.47	525	8.25	18.50		1, 2	0	
10	3	.47	525	8.25	18.50		1, 2	0	
10	3	.47	525	8.25	18.50		1, 2	0	
10	3	.47	525	8.25	18.50		1, 2	0	Used with 2.25 SCAR. Subcaliber for 5.0 AR. Mk 13 Mod 1 Metal Parts used.

2.75 ROCKET

MARK	MOD	SPIN OR FIN	ARML LOT PREFIX NO.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	GRAIN	
							MARK	MOD
1	0	FF	RMHA	40.55	12.10	656045	28	0
1	1	FF	RMHA	39.92	12.88	655953	31	0
1	2	FF	RMHA	39.92	12.88	656376	31	0
1	3	FF	RMHA	39.92	12.82	656139	31	1
1	4	FF	RMHA	39.92	12.82	656888	31	1
2	0	FF	RMHA	39.92	12.62	656708	43	0, 1
2	1	FF	RMHA	39.92	12.62	656696	43	0, 1
2	2	FF	RMHA	39.92	12.62	656705	43	0, 1
2	3	FF	RMHA	39.92	12.62	656707	43	0, 1
3	0	FF	RMHA	39.92			43	1
3	1	FF	RMHA	39.92			43	1
3	2	FF	RMHA	39.92			43	1
3	3	FF	RMHA	39.92			43	1

*Launcher Container.

ROCKET ASSEMBLIES AND COMPONENTS

MOTORS

IGNITER		ELECTRIC CONNECTOR		BURNING TIME (SEC.)	THRUST (LB.)	CONTAINER*	STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD					
125	0					Aero 6A		Uses different head shipping support for HEAT Heads. } Used with 2.75 Rockets Mk 1 through Mk 9 (FFAR). Aero 6A container is for domestic use only.
125	0					Aero 6A		
125	0, 2					Aero 6A		
125	2			1.69	720	Aero 6A	Current	
125	2			1.69	720	Aero 6A	Current	
125	2, 4			1.69	720	Aero 6A		
125	2, 4			1.69	720	Aero 6A	Current	
125	2, 4			1.69	720	Aero 6A	Current	
125	2, 4			1.69	720	Aero 6A	Current	
125	4					Aero 6A	Current	
125	4					Aero 6A	Current	
125	4					Aero 6A	Current	
125	4					Aero 6A	Current	
125	4					Aero 6A	Current	

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG.	GRAIN		IGNITER	
							Mark	MOD	MARK	MOD
1	0	Fin	RMCA	18.77	18.8	C. I. T.	6	0, 1	109	0
2	0	Fin	RMCB	23.02	18.0	C. I. T.	7	0, 1	109	0
3	0	Fin	RMCC	20.14	19.8	C. I. T.	8	0, 1	109	0
4	0	Fin	RMCA	18.83	19.8	423864	9	0	109	0
4	1	Fin	RMCA	18.83	19.8	423881	9	0	109	0
5	0	Fin			21.7	C. I. T.	11	0, 1	C. I. T.	
6	0	Fin	RMCD	45.00	31.7	C. I. T.	13	0	109	0
7	0	Fin	RMCD	48.58	37.1	423698	13	0	109	0
7	1	Fin	RMCD	48.50	37.1	467178	20	0	121	0
7	2	Fin	RMCD	48.75		440308	20	0	121	0
7	3	Fin	RMCD	48.50	37.1	467178	20	0	121	0
7	4	Fin	RMCD	48.76	37.1	563178	20	0	109	0
7	5	Fin	RMCD	48.77	32.46	563182	20	0	109	0
8	0	Fin	RMCE	32.00	18.2	C. I. T.	14	0	111	0
9	0	Fin	RMCF	32.00	17.10	C. I. T.	15	0	111	0
10	0	Fin	RMCE	31.09	21.35	394783	14	0	111	0
11	0	Fin	RMCF	31.09	20.20	423642	15	0	111	0
12	0	Fin	RMCG	22.75	17.10	C. I. T.	7	1	111	0
13	0	Spin	RMCH	13.42	9.5	467181	23	0	118	0, 1, 2
14	0	Fin	RMCG	25.45	15.3	423788	7	1	111	0
14	1	Fin	RMCG	26.54	17.0	423863	7	1	111	0
15	0	Fin	RMCI	24.25	18.5	423867	7	1	111	0
16	0	Fin	RMCD	48.60	32.46	655878	20	0	121	0, 1
16	1	Fin	RMCD	48.60	32.46	655879	20	0	121	0, 1
16	2	Fin	RMCD	48.60	32.46	655880	20	0	121	0, 1
16	3									
16	4									
16	5	Fin	RMCD	48.77	32.46		20	0	121	0, 1
16	6	Fin	RMCD	48.77	32.46		20	0	121	0, 1
16	7	Fin	RMCD	48.77	32.46		13	0	109	0, 1
16	8	Fin	RMCD	48.77	32.46		13	0	121	0, 1

ROCKET ASSEMBLIES AND COMPONENTS

MOTORS

ELECTRIC CONNECTOR		BURNING TIME (SEC.)	THRUST (lb.)	FIN DIAM. (in.)	DISTANCE BETWEEN LUGS (ins.)	CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD					MARK	MOD		
		0.34	1220	7.20			389313		Used with 7:2 200 f/s (RETRO). Superseded by Mk 4 Mods 0,1.
		.37	1760	7.20					Used with 7:2 300 f/s (RETRO).
		.38	2230	7.20					Used with 7:2 400 f/s (RETRO).
		.34	1220	7.20			389313		Used with 7:2 200 f/s (RETRO).
		.34	1220	7.20			389313		
		.53	2040					Current.	Used with 7:2 Chemical Warfare Rocket.
1	1	.85	3020	13.32			1 0		Superseded by 3:25 Mk 7 Mods.
1	0	.85	2110	13.31	35.31		6, 8 0		
9	0	.85	2110	13.31	35.31		6, 8 0		Superseded by 3:25 Motor Mk 16
1	1	.85	2110	13.31	35.31		6, 8 0		Mods 5, 6, 7.
1	0	.85	2110	13.31	35.31		6, 8 0		Weight does not include fins which are shipped separately.
9	0	.85	2110	13.31	6.00		6, 8 0		
9	0	.85	2110	13.31	24.00		6, 8 0		
2	0	.65	1210				394729		Superseded by 3:25 Motor Mk 10 Mod 0.
3	0								Superseded by 3:5 Motor Mk 11 Mod 0.
2	0			48.36	16.50		394739		Used with 3:25 Target Rocket 400 mph.
3	0			48.36	16.50		394739		Used with 3:25 Target Rocket 300 mph.
		.36							Superseded by 3:25 Rocket Motor Mk 14 Mods.
		.60	895						Used with 3:5 Rocket Mk 5 Mod 0, Little Lulu.
7	0	.37		9.25	1.12		3 0	Current.	Used with 3:5 Rocket (Window).
7	0	.87		9.25	20.81		3 0	Current.	Used with 3:5 Rocket (Flare).
7	0			7.20			4 0	Current.	Used with 3:5 Rocket (Window) and Grapnel Mk 1 Mod 0 and Cutaroo (Ordnance Pamphlet OP 1443).
9	0	.85	2110	13.51	35.31		8 0		Metal parts from 3:25 Motor Mk 7 Mod 1 used.
9	0,1	.85	2110	13.51	35.31		8 0		Weight does not include fins which are shipped separately.
9	2	.85	2110	13.51	35.31		8 0		Superseded by 3:25 Motor Mk 16 Mods 5, 7, 8.
								Not produced.	
								Not produced.	
9	3	.85	2110	13.32	24.00		8 0	Current.	Metal parts from 3:25 Motor Mk 7 Mod 5. Weight does not include fins which are shipped separately.
9	2	.85	2110	13.32	24.00		8 0		
9	3	.85	2110	13.32	24.00		8 0	Current.	
9	3	.85	2110	13.32	24.00		8 0	Current.	

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	Nom. LENGTH (in.) (as shipped)	Nom. WEIGHT (lb.) (as shipped)	LOADING Ass'y DWG	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
1	0	Fin	RMDA	53.9	88.3	C.I.T.	18	0	114	0, 1
2	0	Fin	RMDA	52.78	95.76	467004	18	0	114	0, 1
2	1	Fin	RMDA	52.78	94.45	467003	18	0	114	0, 1
2	2	Fin	RMDA	51.75	92.03	467064	18	0	114	0, 1
2	3	Fin	RMDA	51.75	92.03	467064	18	0	114	0, 1
2	4	Fin	RMDA	51.75	92.03	467064	18	0	114	0, 1
2	5	Fin	RMDA	52.78	87.19	655913	18	0	114	0, 1
3	0	Spin	RMDB	22.66	32.50	C.I.T.	21	0, 2	117	0, 1, 2
3	1	Spin	RMDB	22.66	32.90	467046	21	0, 2	117	0, 1, 2
3	2	Spin	RMDB	22.66	32.31	C.I.T.	21	0, 2	117	0, 1, 2
3	3	Spin	RMDB	22.66	33.31	467046	21	0, 2	117	0, 1, 2
3	4	Spin	RMDB	22.66	32.90	655916	21	0, 2	117	0, 1, 2
4	0	Spin	RMDC	15.65	24.00	C.I.T.	22	0, 1, 2, 3	118	0, 1, 2
4	1	Spin	RMDC	15.65	24.51	467049	22	0, 1, 2, 3	118	0, 1, 2
4	2	Spin	RMDC	15.65	24.51	C.I.T.	22	0, 1, 2, 3	118	0, 1, 2
4	3	Spin	RMDC	15.65	24.51	467094	22	0	118	0
4	4	Spin	RMDC	15.65	24.51	655022	22	0, 1, 2, 3	118	0, 1, 2
5	0	Spin	RMDD	12.3	18.5	467115	24	0, 1, 2	120	0, 1, 2
5	1	Spin	RMDD	12.53	20.48	467168	24	0, 1, 2	120	0, 1, 2
5	2	Spin	RMDD	12.3	18.5	C.I.T.	24	0, 1, 2	120	0, 1, 2
5	3									
6	4	Spin	RMDD	12.53	20.48	655024	24	0, 1, 2	120	0, 1, 2
6	5									
6	0	Spin	RMDE	11.0	17.8	467117	25	0, 1, 2	120	0, 1, 2
6	1	Spin	RMDE	11.38	19.73	467160	25	0, 1, 2	120	0, 1, 2
6	2	Spin	RMDE	11.0	17.8	C.I.T.	25	0, 1, 2	120	0, 1, 2
6	3									
6	4	Spin	RMDE	11.38	19.73	655026	25	0, 1, 2	120	0, 1, 2
6	5	Spin	RMDE	11.5	17.0	467169	25	0, 1, 2	120	0, 1, 2
7	0	Spin								
8	0	Spin								
9	0	Spin		15.66	17.23	660844	None	None	None	None
10	0	Fin	RMDA	51.6	89.2	655900	18	0	114	0, 1
10	1	Fin	RMDA	51.7	89.2	655901	18	0	114	0, 1
10	2	Fin	RMDA	51.7	89.2	655902	18	0	114	0, 1
10	3	Fin	RMDA	51.7	89.2	655903	18	0	114	0, 1
10	4	Fin	RMDA	51.7	89.2	655904	18	0	114	0, 1
10	5	Fin	RMDA	51.6	89.91	655914	18	0	114	0, 1
10	6	Fin	RMDA	52.78	87.16	656724	18	0	114	0, 1
10	7	Fin	RMDA	52.78	87.16	656725	18	0	114	0, 1
11	0	Spin		15.50	22.81	8k202341	27	0	D-610-C	
12	0	Fin		75.37	71.66	660852	29	0	127	0
12	1	Fin		75.37		656760	29	1	127	0

5"0 ROCKETS

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
12	2	Fin.....		75.37		656894	29	1	127	1
13	0									
14	0									

5"25 ROCKET

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
1	0	Fin.....	RMEA.....	44.34	78.70	655988	26	0	124	0

11"75 ROCKET

MARK	MOD	SPIN OR FIN	AMM. LOT PREFIX No.	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	GRAIN		IGNITER	
							MARK	MOD	MARK	MOD
1	0	Fin.....	RMFA.....	83.87	670.76	C. I. T.	19	0	119	0
1	1	Fin.....	RMFA.....	83.87	670.76	467034	19	0	119	0
1	2	Fin.....	RMFA.....	77.41	649.44	C. I. T.	19	0	119	0
1	3	Fin.....	RMFA.....	77.41	649.44	467108	19	0	119	0
2	0	Fin.....	RMFA.....	73.24	591.19	467162	19	0	119	0

2"25 ROCKET

MARK	MOD	AMM. LOT PREFIX No.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg
1	0	None.....	AIRCRAFT Practice.....	3.75	1.80	C. I. T.
1	1	None.....	Practice.....		1.80	C. I. T.
2	0	None.....	Practice.....		8.60	C. I. T.
3	0	None.....	Practice.....	3.75	1.60	424977
3	1	None.....	Practice.....	3.70	1.60	424978
3	2	None.....	Practice.....	3.75	1.60	439208
3	3	None.....	Practice.....	3.75	1.60	439490
4	0	None.....	Practice.....	5.88	8.60	424979
5	0	None.....	Impact Marking (Smoke).....	5.80	1.60	655847

*7M Containers Mk 1 Mod 0 and Mk 2 Mod 0 accommodate complete rounds—Heads not packed in the container without motors.

ROCKET ASSEMBLIES AND COMPONENTS

MOTORS—Continued

ELECTRIC CONNECTOR		BURNING TIME (sec.)	THRUST (lb.)	FIN DIAM. (in.)	DISTANCE BETWEEN LUGS (in.)	CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD					MARK	MOD		
None	None	2.1		15.11	24.0			Experimental. Not produced.	Mk 12 Mod 1, inert parts. Experimental HPA (Folding Fin). Similar to 570 Motor Mk 12 Mod 1 except that formed contact button is connected to the igniter, and rear button to the rocket head.

MOTORS

ELECTRIC CONNECTOR		BURNING TIME (sec.)	THRUST (lb.)	FIN DIAMETER (in.)	CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD				MARK	MOD		
		0.70	6500	12.75	1	0	Current..	Used with 12775 ASP (ABW). Container Mk 1 Mod 0 not issued for service use.

MOTORS

ELECTRIC CONNECTOR		BURNING TIME (sec.)	THRUST (lb.)	FIN DIAM. (in.)	DISTANCE BETWEEN LUGS (in.)	CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD					MARK	MOD		
		0.91	33,300	31.95	14.0	1	0	Current..	C. I. T. (Used Elec Conn Mk 8-0). Long motor (BuOrd). (Interim short motor) (C. I. T.). (Interim short motor) (BuOrd). (Ultra short motor)...
3	1	.91	33,300	31.95	14.0	1	1		
3	1	.91	33,300	31.95	14.0				
3	1	.91	33,300	31.83	14.0	3	0		

HEADS

FILLER		CONTAINER*		STATUS	REMARKS AND PUBLICATIONS
TYPE	WEIGHT (lb.)	MARK	MOD		
None				Current..	Solid steel. Zinc die-cast. Solid steel.
None		1, 2	0		
None		1, 2	0		
None		1, 2	0	Current..	Zinc die-cast. Zinc die-cast. Cast iron.
None		1, 2	0	Current..	
None				Not produced..	
FS	0.85				Solid steel.

Used with 2725 Rockets
Mks 4 and 5 (Subcaliber
HVAR).

2.5 ROCKET

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)
1	0	None.....	SURFACE Practice.....	6.68	7.19
1	1	None.....	Practice.....	6.68	7.19
1	2	None.....	Practice.....	6.27	7.19
1	3	None.....	Practice.....	6.27	7.19
2	0	None.....	Practice.....	5.56	5.75
2	1	None.....	Practice.....	5.56	5.75
2	2	None.....	Practice.....	5.06	5.75
2	3	None.....	Practice.....	5.06	5.75
3	0	None.....	Practice.....	5.10	5.19
3	1	None.....	Practice.....	5.10	5.19
3	2	None.....	Practice.....	5.10	5.19
3	3	None.....	Practice.....	5.10	5.19

2.75 ROCKET

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass't Dwg	FILLER	
							TYPE	WEIGHT (lb.)
1	0	RHHB.....	AIRCRAFT Practice.....	10.99	6.45	660897	Plstr.....	1.40
1	1	RHHA.....	HE.....	10.99	6.47	656227	HBX-1.....	1.40
1	2	RHHB.....	Practice.....	10.99	6.45	656227	Plstr.....	1.40
1	3	RHHA.....	HE.....	10.99	6.47	656227	HBX-1.....	1.40
1	4	RHHA.....	HE.....	10.99	6.47	656227	HBX-1.....	1.40
1	5	RHHA.....	HE.....	10.99	6.47	656227	HBX-1.....	1.40
1	6	RHHA.....	HE.....	10.99	6.47	656227	HBX-1.....	1.40
2	0	.....	HE.....	.....	.....	.....	.....	.....
3	0	.....	AP.....	7.04	6.35	656142	None.....	.....
4	0	.....	AP.....	10.99	6.27	656144	None.....	.....
5	0	RHHC.....	HEAT.....	11.08	6.00	1350663	Comp B.....	.80

*2.75 Rocket Container Mk 1 Mod 6 accommodates complete round—Head not packed in this container without motors.

ROCKET ASSEMBLIES AND COMPONENTS

HEADS

LOADING ASS'Y DWG	CONTAINER	STATUS	REMARKS AND PUBLICATIONS
329402	393668		Steel head w/signal cavity for 10 ga shotgun signal.
329402	393668		Cast iron head w/signal cavity
329402-7	393668	Current	Solid steel head w/o cavity
329402-8	393668	Current	Cast iron head w/o cavity
389038			Steel head w/signal cavity
389038			Cast iron head w/signal cavity
389038			Steel head w/o cavity
389038			Cast iron head w/o cavity
C. I. T.			Steel head w/signal cavity
C. I. T.			Cast iron head w/signal cavity
C. I. T.			Steel head w/o cavity
C. I. T.			Cast iron head w/o cavity

Used with 2.75 Rocket Mk 1 Mods 2, 3. (Subcaliber Mousetrap), Ammunition.
 Used with 2.75 Rocket Mk 2 Mods 2, 3. (Subcaliber RETRO 200 F/S).
 Used with 2.75 Rocket Mk 3 Mods 2, 3. (Subcaliber Retro 300 F/S).

HEADS

BASE FTCE		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD		
None		01	00		Two piece brazed construction. Bar stock base. No cavity liner. W/ dummy nose fuze.
None		12	0	Current	One piece forged construction. W/ nose fuze and cavity liner.
None		12	0		Similar to Mk 1 Mod 0 but w/o cavity liner.
None		12	0	Current	Similar to Mk 1 Mod 0 except head is cold formed.
None		12	0	Current	Two piece brazed construction. W/ forged base nose fuze and cavity liner.
None		12	0	Current	Similar to Mk 1 Mod 4 except for stamped base.
None		12	0	Not produced	Similar to Mk 1 Mods 4, 5 except hot formed, welded nose.
				Discontinued	Formerly Mk 1 and Mods. Inert metal parts. HE loaded.
None				Not produced	
None				Not produced	Similar to Mk 3 Mod 0 but with wind screen.
None		17	0	Current	Including nose fuze

Used with 2.75 Rockets Mk 1 through 9 (FFAR).

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ANS'Y Dwg	FILLER	
							TYPE	WEIGHT (lb.)
1	0		AIRCRAFT					
2	0		AP	10.35	20.0	C. I. T.	None	
3	0	RHAA	AP	10.35	20.0	394728	None	
4	0	RHAA	HE	12.50	18.5	C. I. T.	TNT	2.4
4	0	RHAA	GP	13.90	18.2	424993	TNT	
4	0	RHAB	Practice	13.90	18.2	Inert	Pistr	
4	1	RHAA	GP	11.02	15.1	439183	TNT	
5	0	RHAB	HE	11.85	18.5	422512	TNT	2.3
5	0	RHAB	Practice	11.85	18.5	Inert	Pistr	2.3
6	0	RHAD	Smoke	19.63	17.55	479472	FS	7.85
6	0	RHAF	Smoke	19.63	17.55	479472	WP	7.85
7	0	RHAC	Frag	12.81	17.10	422221	TNT	
8	0		Practice	13.90	20.0	422640	None	
8	1		AP	11.75	20.0	489171	None	None
9	0	RHAD	Smoke	17.63	20.0	C. I. T.	FS	9.4
10	0	RHAH	SURFACE					
10	0	RHAJ	Window	19.5	13.4	C. I. T.	Load Mk 1	5.2
10	0	RHAJ	Window	19.5	13.4	C. I. T.	Load Mk 2	5.2
11	0	RHAE	AIRCRAFT					
12	0	RHAG	Incend	22.69	17.1	479477	PT	6.5
12	0	RHAG	Chem	22.69	16.7	423687	H	7.0
13	0	RHAI	SURFACE					
13	0	RHAS	GP(SS)		14.6		TNT	1.5
14	0	RHAL	Practice		14.6	Inert	Pistr	1.5
14	0	RHAM	Window	21.2	14.0	423668	Load Mk 4	5.0
14	0	RHAM	Window	21.2	14.0	423668	Load Mk 5	5.0
15	0	RHAH	Window	22.1	15.5	423880	Load Mk 1-0	5.0
15	0	RHAJ	Window	22.1	15.5	423880	Load Mk 2-0	5.0
15	0	RHAK	Window	22.1	15.5	423880	Load Mk 3-0	5.0
15	0	RHAL	Window	22.1	15.5	423880	Load Mk 4-0	5.0
15	0	RHAM	Window	22.1	15.5	423880	Load Mk 5-0	5.0
15	0	RHAN	Flare	22.1	16.6		Load Mk 7-0	6.0
15	0	RHAO	Flare	22.1	16.6		Load Mk 7-1	6.0
15	0	RHAP	Flare	22.1	16.6		Load Mk 7-2	6.0
15	0	RHAQ	Window	22.1	15.6		Load Mk 8-0	5.0
15	0		Practice	22.1	15.6	Inert	Pistr	5.0

*BuOrd Dwg No.

ROCKET ASSEMBLIES AND COMPONENTS

HEADS

BASE FUZE		AUX. DET. OR BOOSTER		CON-TAINER*	STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD			
				394636		Superseded by 3"5 Head Mk 2 Mod 0. Superseded by 3"5 Head Mk 8 Mods 0, 1. Superseded by 3"5 Head Mk 4 Mods.
146	0, 1			424996		
				424996		Heads in stock used for fuze testing only. Super- ceded by 3"5 Head Mk 5 Mod 0.
				414449		
		3	0, 1	414449		Used with 3"5 Rocket Mk 8 Mod 0.
				414449		
				422163		Used with 3"5 Rocket Mk 10 Mod 0 (Smoke).
				422163		
		3	0, 1		Not produced.	Square wire wound. Double ogive. (Non heat treated.) Used with Mk 8 Mod 1 Head.
				422641		
				422641		Double ogive. Used with 3"5 Rocket Mk 9 Mod 0 (AP) (ASW).
134	0				Current	Superseded by 3"5 Head Mk 15 Mod 0.
134	0				Current	
				423576		Aux Det Mk 44-2 installed. Used with 3"5 Rocket Mk 6 Mod 0 SSR. (Little Lulu). Superseded by 3"5 Head Mk 15 Mod 0.
				423630		
134	0			423670	Current	Used with 3"5 Rockets Mk 4, 5, 6, and 7 (Window or Flare).
134	0			423670	Current	
134	0			437890		
134	0			437890		
134	0			437890		
134	0			437890	Current	
134	0			437890		
128	0			437890		
127	0			437890		
134	0			437890		
134	0			437890		

4.5 ROCKET

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	FILLER	
							TYPE	WEIGHT (lb.)
			SURFACE					
1	0	RHBA	HE		19.8	C. I. T.	TNT	6.5
1	0	RHBB	Practice		19.8	Inert	Plstr.	6.5
2	0	RHBA	HE		19.8	C. I. T.	TNT	6.5
2	0	RHBB	Practice		19.8	Inert	Plstr.	6.5
3	0	RHBC	HE	14.205	20.74	330178	TNT	6.94
3	0	RHBB	Practice	14.205		Inert	Plstr.	6.94
4	0	RHBA	HE		19.8	C. I. T.	TNT	12.4
4	0	RHBB	Practice		19.8	Inert	Plstr.	12.4
5	0	RHBD	Smoke		20.8	C. I. T.	FS	7.4
6	0	RHBD	Smoke		19.8	C. I. T.	FS	
7	0	RHBD	Smoke	20.676	10.80	394488	FS	12.0
7	0	RHBE	Smoke	20.676	19.80	394438	WP	12.0
8	0	RHBC	Frag	10.561	21.30	394443	TNT	4.03
8	0	RHBB	Practice	10.561	21.30	Inert	Plstr.	4.03
9	0	RHBF	Inceud.	23.267	20.10	479474	PT	11.79
10	0	RHBE	Smoke	20.58	19.8	423875	WP	12.17
10	0	RHBI	Smoke	20.58	19.8	423875	PWP	12.17
10	0	RHBD	Smoke	20.58	19.8	423875	FS	12.17
11	0	RHBC	Frag	10.875			TNT	
11	1	RHBC	Frag	10.875			TNT	
12	0		Pepper					

*BuOrd Dwg No.

5.0 ROCKET

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	FILLER	
							TYPE	WEIGHT (lb.)
			AIRCRAFT					
1	0	RHCA	HE	19.34	47.0	394568	TNT	8.49
1	0	RHCC	GP	22.13	50.8	394568	TNT	7.96
1	0	RHCC	GP	22.13	50.8		TNT	7.96
1	0	RHCC	GP	19.29	51.95	394568	TNT	7.96
1	0	RHCB	Practice	19.34	47.0	Inert	Plstr.	8.49
1	1	RHCC	VT	19.16	48.76	561529	TNT	7.4
1	1	RHCC	VT	19.16	50.96		TNT	7.4
2	0		AP			C. I. T.		
2	1	RHCQ	AP	15.1	51.8	423886	EXPD	2.70
2	2	RHCQ	AP	14.73	51.98	562638	EXPD	2.20
3	0		Smoke	26.8	48.0	440304	WP	
3	0		Smoke	26.8	48.0	440304	PWP	
4	0	RHCG	Smoke	33.01	48.0		WP	
4	0	RHCG	Smoke	33.01	48.0		PWP	
4	1	RHCG	Smoke	34.60	52.0	666341	PWP	19.36

ROCKET ASSEMBLIES AND COMPONENTS

HEADS

BASE FUSE		AUX. DET. OR BOOSTER		CON-TAINER*	STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD			
					Not available. Not available.	Used M-52 Fuse. Similar to Mk 1 Mod 0 except Mk 137 Mod 0 Fuse used.
None	None	3	0, 1	380183		
None	None	3	0, 1	380183	Current.	Heavy case BuOrd production of Mk 2 Head. Used with 4.5 Rocket Mk 1 All Mods. (Barrage). Light case. Similar to Mk 2 Mod 0.
None	None				Current.	Heavy case. Similar to Mk 2 Mod 0. Light case. Similar to Mk 4 Mod 0.
None	None			394436		Light case, welded seams. BuOrd production of Mk 6 Mod 0. Used with 4.5 Rockets Mk 4 All Mods. (Smoke Barrage).
None	None			394436	Current.	Used with 4.5 Rockets Mk 4 Mods. (Smoke Barrage).
		3	0	394444		Wire wound (0.5 sq. wire).
		3	0	423546		
None	None			423594		CWS. Used with 4.5 Rocket Mk 5 Mod 0. (In-cendiary Barrage). Similar to Mk 7 Mod 0. For chemical loading.
None	None			423594	Current.	Light seamless case. Used with 4.5 Rocket Mk 4 Mod 1 (Smoke Barrage).
None	None			423594	Experimental.	Used with 4.5 Rocket Mk 4 Mod 2 (Smoke Barrage). Wire wound. Army experimental. Similar to Mk 11 Mod 0. BuOrd production. Underwater noise maker.

HEADS

BASE FUSE		AUX. DET. OR BOOSTER		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD	MARK	MOD		
None		3	0	1	0		Modified 5.0 Common AA Projectile Mk 35.
145	0, 1	3	0	1	0		
157	0	3	0	1	0		
165	0	3	0	17	0		Used with 5.0 Rocket Mk 37 Mod 0, 1 (AR).
None		None	None	17	0		Used with 5.0 Rocket (AR). (Practice or dummy).
157	0, 1, 2	None	None	17	0		
165	0	None	None	17	0		Used with 5.0 Rocket Mk 37 Mod 2 (AR).
159	1						
166	2			22	0	Current.	Used with 5.0 Rocket Mk 36 Mod 0 (AP) (HVAR).
						Not produced. Not produced.	Designed for use with 5.0 HVAR Motor.
				15	1	Current.	

MARK	MOD	AMM. LOT PREFIX No.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	FILLER	
							TYPE	WEIGHT (lb.)
6	0	RHCL	GP	18.45	45.5	C. I. T.	TNT	7.90
6	1	RHCL	GP	18.45	45.5	C. I. T.	TNT	7.90
6	0	RHCL	GP	21.10	51.75	467008	TNT	7.55
6	1	RHCL	GP	18.30	50.55	561527	TNT	7.60
6	1	RHCL	Practice	21.10	50.55	Inert	Pistr	7.60
6	2		GP	18.31	49.89	561931	TNT	7.60
6	3		GP	18.11	49.89	563169	TNT	7.60
6	4	RHCY	VT	18.43	49.89	655874	TNT	7.10
			SURFACE					
7	0	RHCO	HE SS	8.66	19.60	561528	TNT	2.85
7	1		HE SS	8.66	19.83	561528	TNT	2.85
7	2	RHCO	HE SS	8.66	19.83	561528	TNT	2.85
7	3	RHCO	HE SS	8.66	19.83	561528	TNT	2.85
7	All	RHCP	Practice SS	8.66	19.83	Inert	Pistr	2.85
8	0	RHCK	AP SS	8.47	21.25	C. I. T.	EXP D.	1.70
8	0	RHCK	AP SS	8.47	21.25	C. I. T.	EXP D.	1.70
8	1	RHCK	AP SS	8.47	21.25	478492	EXP D.	1.70
8	1	RHCK	AP SS	8.47	21.25	478492	EXP D.	1.70
8	2	RHCK	AP SS	8.47	21.49	656313	EXP D.	1.58
8	All	RHCM	Practice SS	8.47	21.49	Inert	Pistr	1.70
			AIRCRAFT					
9	0		Chem	31.94	48.0	440306		
			SURFACE					
10	0	RHCL	HE SS	15.69	29.41	C. I. T.	TNT	9.60
10	1	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	2	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	3	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	4	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	5	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	6	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	7	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	8	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	9	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	9	RHCL	VT SS	15.69	29.97		TNT	9.60
10	10	RHCL	HE SS	15.69	29.41	467052	TNT	9.60
10	11		VT SS	15.33	29.11	656338	TNT	9.9
10	12		HE SS	15.69	29.04	656335	TNT	9.4
10	All	RHCN	Practice SS	15.69	29.41	Inert	Pistr	9.4
11	0		HE SS	15.9	19.8	479516		
12	0	RHCS	HE SS	18.81	34.99	561530	TNT	12.0
12	1	RHCS	HE SS	18.81	34.99	561530	TNT	12.0
12	2	RHCS	HE SS	18.81	34.99	561530	TNT	12.0
12	3	RHCS	HE SS	18.81	34.99	561530	TNT	12.0
12	4	RHCS	HE SS	18.81	34.99	561530	TNT	12.0
12	5	RHCS	HE SS	18.81	34.99	C. I. T.	TNT	12.0
12	All		Practice SS	18.81	34.99	Inert	Pistr	12.0
13	0	RHCW	HE SS	20.47	38.18	467143	TNT	13.5
13	1	RHCW	HE SS	20.47	38.18	467143	TNT	13.5
13	2	RHCW	HE SS	20.47	38.18	467143	TNT	13.5
13	3	RHCW	HE SS	20.47	38.18	467143	TNT	13.5
13	4	RHCW	HE SS	20.47	38.18	467143	TNT	13.5
13	5	RHCW	HE SS	20.47	38.18	C. I. T.	TNT	13.5
13	All		Practice SS	20.47	38.18	Inert	Pistr	13.5

ROCKET ASSEMBLIES AND COMPONENTS

HEADS—Continued

BASE PLATE		AUX. DET. OR BOOSTER		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD	MARK	MOD		
157	0	3	0, 1			Current	Similar to Mk 1 All Mods but for 5"0 HVAR. Superseded by 5"0 Head Mk 6 All Mods.
150	0, 1	3	0, 1			Current	
159	1	3	1			Current	
164	0	3	1	12	0	Current	Used with 5"0 Rocket Mk 28 Mod 4 (HVAR).
				12	0	Current	Used with 5"0 Rocket Mk 39 Mod 0. (Practice) (HVAR).
				12	0	Not produced.	
				12	0	Not produced.	
164	0			12	0	Current	Used with 5"0 Rocket Mk 29 Mod 5. (VT) (HVAR).
		44	2	13	0	Not available.	Used with 5"0 Rocket Mk 7 All Mods. 5"0 Rocket Mk 7. All Mods.
		44	2	13	0	Current	
		44	2	13	0	Current	
		44	2	13	0	Current	
				13	0	Current	Used with 5"0 Rocket Mk 8 Mod 0. (Practice) and Mk 9 Mod 0 (Dummy).
31	0			7	0	Current	C. I. T. Used with 5"0 Rocket. Mk
36	0			7	0	Current	C. I. T. 24 Mod 0.
31	0, 2			7	0	Current	W/o cavity liner... Mk 7 Mod 0 container not
36	0			7	0	Current	W/o cavity liner... for service issue.
31	2			7	0	Not produced.	W/cavity liner. Used with 5"0 Rocket. Mk 24 Mod 1.
				7	0	Current	Used with 5"0 Rocket Mk 8 Mod 1. (Practice) Mk 9 Mod 1 (Dummy).
				10	0	Not produced.	Used with 5"0 HVAR.
		44	2	23	0	Current	Light wall, C. I. T. } Container Mk 23 not for service issue. Superseded by 5"0 Heads Mk 10 Mods 6-10.
		44	2	23	0	Current	
		44	2	23	0	Not available.	
		44	2	23	0	Not available.	
		44	2	23	0	Not available.	
		44	2	23	0	Not available.	
		44	2	23	0	Not available.	
		44	2	23	0	Current	
		44	2	23	0	Current	
		44	2	23	0	Current	
		44	2	23	0	Current	
		44	2	23	0	Current	
		44	2	23	0	Current	
		44	2	23	0	Current	Used with 5"0 Rocket Mk 10 Mod 0 HE.
		44	2	23	0	Not available.	3 piece brazed nose. Used with 5"0 Rocket Mk 10 Mod 2 (VT) w/fuse cavity liner.
		44	2	23	0	Current	3 piece brazed ass'y. Used with 5"0 Rocket Mk 10 Mod 3 (HE).
				23	0		Used with 5"0 Rocket Mk 11 Mod 0 (Practice). Mk 12 Mod 0 (Dummy).
						Not produced.	1 piece formed.
		44	2	20	0	Current	3 piece welded ass'y } Container Mk 20-0 not for service issue. Used with 5"0 Rockets Mk 13 Mod 0.
		44	2	20	0	Not available.	
		44	2	20	0	Not available.	
		44	2	20	0	Current	
		44	2	20	0	Not available.	
		44	2	20	0	Not available.	
				20	0	Current	Used with 5"0 Rockets Mk 14 Mod 0. (Practice) and Mk 15 Mod 0 (Dummy).
		52	2	24	0	Current	3 piece welded ass'y } Container Mk 24 not for service issue. Used with 5"0 Rocket Mk 16 Mod 0.
		52	2	24	0	Not available.	
		52	2	24	0	Not available.	
		52	2	24	0	Not available.	
		52	2	24	0	Not available.	
		52	2	24	0	Not available.	2 piece brazed nose.
						Current	Used with 5"0 Rocket Mk 17 Mod 0. (Practice) and Mk 18 Mod 0 (Dummy).

5"0 ROCKET

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	FILLER	
							TYPE	WEIGHT (lb.)
14	0		Smoke SS	17.17	25.48		FS	11.7
14	0		Smoke SS	17.17	24.58		WP	10.7
14	0		Smoke SS	17.17	21.78		PWP	8.0
15	0		Chem SS					
18	0		Incend SS					
17	0		Practice					
18	0		Flare SS					
19	0		Flare SS					
20	0		Frag. SS					
21	0	RHKO	SS SM Target	16.06	23.27	000804	M-18 Grenade	
21	1	RHKO	SS SM Target	16.06	23.27	656290	M-18 Grenade	
			AIRCRAFT					
22	0		HE SS				HBX	2.4
22	1		VT SS				HBX	2.4
22	2		HE SS				HBX	2.4
22	3		VT SS				HBX	2.4
23	0		Practice				Platr	
24	0		GP				HBX	
24	1		Practice					
25	0	RHOZ	HEAT	32.3	52.5	982136	COMP B	15.3
25	1	RHCZ	HEAT	30.66	51.65	563481	COMP B	15.3
25	2	RHCZ	HEAT	30.66	51.65	563481	COMP B	15.3
26	0		Flare			657741	Pyro	7.0
27	0		Flare				Pyro	7.0
28	0							
29	0	RHKA	A. P/ASW	17.60	52.20	656404	EXP D	3.03

6"5 ROCKET

MARK	MOD	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	FILLER	
						TYPE	WEIGHT (lb.)
1	0	AIRCRAFT					
2	0	HEAT	42.59	52.65	656224	Comp B	19.6
2	1	HEAT	42.59	52.65	656294	Comp B	19.6

ROCKET ASSEMBLIES AND COMPONENTS

HEADS—Continued

BASE FUSE		AUX. DET. OR BOOSTER		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD	MARK	MOD		
		44	2			Experimental.	Used on C. I. T. design 570 SR Model 41A, w/570 Rocket Motor Mk 4 Mods.
		44	2			Experimental.	
		44	2			Experimental.	
						Not produced.	Experimental. For use with 570 SSR.
						Not produced.	
						Not produced.	
				18	0	Not produced.	Cast iron. For use with 570 HVAR.
						Not produced.	Experimental. Used on C. I. T. designed 570 In-4 PuSR Model 40.
						Not produced.	
						Not produced.	Experimental. For use with 570 SSR.
				23	0	Current.	Experimental. Wire wound for use with 570 SSR.
				23	0	Current.	Reworked from 570 Mk 10 Mods. Container Mk 23 not for service issue.
None							1 piece head. For PD fuse. } 1 piece head. For VT fuse. } Experimental for 2 piece head. For PD fuse. } 570 GASR (De- 2 piece head. For VT fuse. } velopment com- For practice or dummy } pleted). round. }
None						Not produced.	
None							
None							
None							
				27	0		Zuni.
				27	0	Current.	Used with 570 Rocket Mk 32 Mod 1
				27	0	Current.	
				35	0		
				35	0		Used with 570 Rocket Mk 38 Mod 0 (Flare) (HVAR).
				35	0		Zuni.
166	0			32	0	Current.	Used with 570 Rocket Mk 34 Mod 0 (AP-ASW) (HVAR).

HEADS

BASE FUSE		AUX. DET. OR BOOSTER		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD	MARK	MOD		
				3, 4	0	Experimental.	Superseded by Mk 2 Mods. W/nose fuse switch. Limited availability. Superseded by 570 Head Mk 25 Mods. } Used with 675 Rocket Mk 1 Mods (ATAR).
				6	0		
				6	0		
							NOTS Model 11B w/ Booster Dwg 660893

MARK	MOD	AMM. LOT PREFIX NO.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y DWG	FILLER	
							TYPE	WEIGHT (lb.)
1	0	RHDA	SURFACE HE (ASW)	19.10	50.5	C. I. T.	TNT	31.0
2	0	RHDA	HE (ASW)		50.5	C. I. T.	TNT	30.0
3	0	RHDA	HE (ASW)	19.10	44.9	C. I. T.	TNT	31.0
4	0-3	RHDA	HE (ASW)	23.34	52.2	329139	TNT	32.0
4	0-3	RHDB	HE (ASW)	23.34	55.0	329139	TPX	35.0
4	0-3	RHDF	HE (ASW)	23.34	54.7	329139	HBX-1	34.7
4	0-3	RHDA	HE (ASW)	23.34	52.2	329139	TNT	32.0
4	0-3	RHDB	HE (ASW)	23.34	55.0	329139	TPX	35.0
4	0-3	RHDF	HE (ASW)	23.34	54.7	329139	HBX-1	34.7
4	0-3	RHDC	Practice	23.24	52.0	Inert	Plstr	32.0
5	0	RHDA	HE (ASW)	22.76	47.24	393836	TNT	32.24
5	0	RHDB	HE (ASW)	22.76	50.19	393836	TPX	35.19
5	0	RHDF	HE (ASW)	22.76	50.58	393836	HBX-1	34.96
5	0	RHDA	HE (ASW)	22.76	47.24	393836	TNT	32.24
5	0	RHDB	HE (ASW)	22.76	50.19	393836	TPX	35.19
5	0	RHDF	HE (ASW)	22.76	50.58	393836	HBX-1	34.96
5	0	RHDA	HE (ASW)	22.76	47.24	393836	TNT	32.24
5	0	RHDB	HE (ASW)	22.76	50.19	393836	TPX	35.19
5	0	RHDF	HE (ASW)	22.76	50.58	393836	HBX-1	34.96
5	0	RHDC	Practice	22.76	50.19	Inert	Plstr	32.24
6	0	RHDB	AIRCRAFT HE RETRO		49.0	C. I. T.	TPX	35.8
6	0	RHDC	Practice; RETRO		49.0	Inert	Plstr	35.8
7	0	RHDD	Surface Smoke		31.5	C. I. T.	FS	
7	0	RHDC	Chemical	18.75	31.5	C. I. T.	CG	19.7
8	0	RHDA	SURFACE HE (ASW)	19.39	47.51	394475	TNT	31.9
8	0	RHDB	HE (ASW)	19.39	51.02	394475	TPX	35.4
8	0	RHDC	Practice	19.39	47.51	Inert	Plstr	31.9
9	0	RHDA	HE (ASW)		31.5	C. I. T.	TNT	21.7
9	0	RHDC	Practice		31.5	Inert	Plstr	21.7
10	0	RHDB	HE DEMO	19.84	50.3	422602	TNT	31.5
10	0	RHDC	Practice	19.84	50.3	Inert	Plstr	31.5
10	1	RHDB	HE DEMO	19.84	50.3	440311	TNT	31.5
10	1	RHDC	Practice	19.84	50.3	Inert	Plstr	31.5
11	0	RHDA	HE (ASW)	22.54	47.24	423850	TNT	32.24
11	0	RHDF	HE (ASW)	22.54	50.58		HBX-1	34.96
11	0	RHDA	HE (ASW)	22.54	47.24		TNT	32.24
11	0	RHDF	HE (ASW)	22.54	50.58		HBX-1	34.96
11	0	RHDA	AIRCRAFT HE (ASW)	22.54	47.24		TNT	32.24
11	0	RHDF	HE (ASW)	22.54	50.58		HBX-1	34.96
11	0	RHDC	Practice	22.54	47.24		Plstr	32.24

*7.2 Projector Charge with Fuses Mk 126, 158 and 177. (If necessary may be used for 7.2 Rocket Shipboard Rocket although the 7.2 Mk 5 is preferred)
 †For 7.2 Rockets (Shipboard) with Fuses Mk 121, 126 and 177.
 ‡For 7.2 Rockets (Lighter than air units) with Fuse Mk 140.
 §For 7.2 Rockets (RETRO) with Fuse Mk 139 or for 7.2 Rocket (Demolition) with Fuses Mk 141, 161.

ROCKET ASSEMBLIES AND COMPONENTS

HEADS

BASE FUZE		AUX. DMT. OR BOOSTER			CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD	NO. REQ'D	MARK	MOD		
		1	0	1			Not available	Lano-Wells. British HEDGEROG. Lano-Wells (Light Case).
		1	0	1			Available	
		1	0	1			Not available	
		1	0	1	329678		Current*	
		1	0	1			Current*	
		2	0	2	329967			
		2	0	2				
		2	0	2				
		1	0	1	329967		Current†	
		1	0	1	329967		Current†	
		2	0	2	329967		Current‡	
		2	0	2			Current‡	
		2	0	2	329967		Current‡	
		1,2	0	0,1	329967			
		1,2	0	0,1				
		1,2	0	0,1	329967			
		1	0	1			Current	} For use with 7.2 Rockets (RETRO) Mks 7, 8, 10, 11, 12, 13, 14, 15 and 16. } For use with 7.2 Chemical Warfare Rocket Mk 18 Mod 0.
		1	0	1			Current	
		1	0	1			Current	
		1	0	1	394559		Not produced	} Similar to Mk 5 Mod 0 Designed for use w/fuze Mk 140 and 2.25 Motors Mk 3 and 3.25 Motors Mks 1, 2, 3, 4, 6 and 15.
		1	0	1			Not produced	
		8	0	1			Current	} Similar to Mk 7 Mod 0 Head for use with 7.2 Chemical Warfare Rocket Mk 19 Mod 0.
146	0,1	1	0	1				} Similar to Mk 5 Mod 0 except it utilises a base fuze in place of a nose fuze.
161	0	1	0	1	422605	1 0	Current	} For use with 7.2 Demolition Rocket Mk 1 Mod 2.
		1	0	1			Current	
		1	0	1			Current†	
		2	0	2			Current†	
		2	0	2	329967		Current‡	
		1,2	0	1			Current‡	
		1,2	0	1			Current‡	
							Current	

11.75 ROCKET

MARK	MOD	AMM. LOT PREFIX No.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING ASS'Y Dwg	FILLER	
							TYPE	WEIGHT (lb.)
1	0	RHFA	AIRCRAFT GP	47.72	602	561531	TNT	152.5
1	1	RHFA	GP	47.72	602	479506	TNT	152.5
1	1	RHFA	GP	47.72	602	479506	TNT	152.5
2	0	RHFA	GP	49.82	625.83	479507	TNT	148.5
2	0	RHFA	GP	49.82	625.83	479507	TNT	148.5
2	1	RHFA	GP	49.82	625.83	561535	TNT	148.5
3	0		Practice	50.3	626.0	C. I. T.	Mortar	
3	1		Practice	50.37	626.0	467136	Mortar	309.2
3	2		Practice	49.82	620.5	440314	Empty	
4	0	RHFA	GP	46.45	601.86	467170	TNT	148.5
4	1	RHFA	GP	46.45	601.86	656877	TNT	148.5
4	2	RHFA	GP	46.45	601.86	656284	TNT	148.5
5	0		Practice	46.19	600.73	467182	Mortar	309.2
5	1		Practice	46.33	600.86	467190	Empty	
5	2		Practice	46.44	601.00	467194	Empty	

NOTE: Container not required.

12.75 ROCKET

MARK	MOD	AMM. LOT PREFIX No.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	FILLER	
							TYPE	WEIGHT (lb.)
1	0	RHGB	SURFACE ASW	57.81	417	655996		
1	1	RHGB	ASW	57.81	417	655996		
1	2	RHGB	ASW	57.71	420.14		HBX-1	264.48
2	0	RHGB	Practice	57.71	434	655920	Water	195
3	0	RHGB	Practice	60.1	441	657174	None	

14.0 ROCKET

MARK	MOD	AMM. LOT PREFIX No.	TYPE OF ROCKET USED WITH—	NOM. LENGTH (in.) (as shipped)	NOM. WEIGHT (lb.) (as shipped)	LOADING Ass'y Dwg	FILLER	
							TYPE	WEIGHT (lb.)
1	0		AIRCRAFT GP	54.0	962.0	561913	TNT	
1	1		GP	54.0	962.0	561924	TNT	
2	0		Practice	54.1	962.0	561917	None	
3	0		GP	53.3	962.0	561926	TNT	

NOTE: Container not required.

ROCKET ASSEMBLIES AND COMPONENTS

HEADS

BASE FUZE		AUX. DET. OR BOOSTER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD		
157	1	2	0	-----	} Used with 11.75 Rocket Mk 3 Mods 0, 1. Utilizes 500 lb SAP Bomb w/motor adapter.
157	2	2	0	Current	
163	0, 1	2	0	Current	} Used with 11.75 Rocket Mk 3 Mods 0, 1.
157	2	1	0	-----	
163	0, 1	19	0	Current	
162	0	19	0	-----	
} Used with 11.75 Rocket Mk 4 Mod 0 (Practice).					
162	0	19	0	Current	} Similar to 11.75 Head Mk 2 Mod 0 (w/o skirt). (Reworked Head Mk 2 Mod 0) } Used with 11.75 Rocket (w/o skirt). } Mk 3 Mod 4. (Ultra short w/o skirt)
163	0, 1	19	0	Current	
163	0, 1	19	0	Current	
} Practice Heads for 11.75 Rocket Heads Mk 4 Mods (Ultra short w/o skirt).					

HEADS

BASE FUZE		CONTAINER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD		
None	None	1	0	Not produced Not produced	} Container Mk 1 Mod 0 not for service issue. Firing Mechanism Mk 15 Mod 0 with Mk 30 Mod 0 Battery applied at coastal loading station. Used with 12.75 Rocket Mk 1 Mod 0 (VT).
				Not produced Not produced	

HEADS

BASE FUZE		AUX. DET. OR BOOSTER		STATUS	REMARKS AND PUBLICATIONS
MARK	MOD	MARK	MOD		
163	0			Not produced	} Experimental. Similar to Mk 1 Mod 0. Cast iron. (Limited quantity) BuOrd Production. Similar to 11.75 Rocket Head Mk 2 Mods. Designed for use with NOTS 14.0 Motor previously under development. (See NAVORD Report 996). Known as BIG RICHARD.
163	0			Not available	
163	0			Current	

MARK	MOD	TYPE	GENERAL ARRG'T DWG	FUZE WEIGHT (lb.)	FUZE CONTAINER (inner)		THREAD SIZE	ARMED BY—	FIRED BY—	DELAY TIME (sec.)
					MARK	MOD				
29	3	Nose	422826	1.45			1.700 -14	Spin	Impact	Inst.
30	3	Nose	422826	1.38	19	0	1.700 -14	Spin	Impact	Inst.
30	4	Nose	562339	1.38	19	0	1.700 -14	Spin	Impact	Inst.
31	0	Base	423486	1.58	21	0	1.500 -12	Spin	Inertia	Inherent
31	1	Base								
31	2	Base	399148	1.58	21	0	1.500 -12	Spin	Inertia	Inherent
38	0	Base	423485	1.58	21	0	1.500 -12	Spin	Inertia	0.010
44	0	Aux Det.	388904	.50			1.561 -20	Spin	Nose Fuze Flash.	Inst.
44	1	Aux Det.	385904	.50			1.561 -20	Spin	Nose Fuze Flash.	Inst.
44	2	Aux Det.	440406	.50			1.561 -20	Spin	Nose Fuze Flash.	Inst.
52	0	Aux Det.	438570	.50			1.561 -20	Spin	Nose Fuze Flash.	Inst.
52	2	Aux Det.	563653	.50			1.561 -20	Spin	Nose Fuze Flash.	Inst.
100	0	Nose	440291	1.60	17	0	1.700 -14	Spin	Impact	Inst. or 0.050.
100	1	Nose	440291	1.60	17	0	1.700 -14	Spin	Impact	Inst. or 0.025.
100	2	Nose	562803	1.60	17	0	1.700 -14	Spin	Impact	Inst. or 0.025.
126	0	Ejector							Motor Pres- sure.	
127	0	Ejector Delay.	552720				None		Motor Pres- sure.	9.0
128	0	Ejector Delay.	453427				None		Motor Pres- sure.	15.0
131	0-6	Nose	328804	2.80	23	0	2.000 -12	Water Vane	Inertia	Inst.
132	0	Nose	423849	1.10			1.500 -12	Air Vane	Impact	Inst.
133	0	Nose	423846	2.90			1.700 -14	Air Vane	Impact	Inst.
134	0	Ejector Delay.	447337	.50			None		Motor Pres- sure.	18.0 (Max.)
135	0, 1, 2	Nose	330039	5.1	25	0	2.00 -14	{Hydrostatic Pressure.}	Impact	
136	{0, 6, 8, 9, 10}	Nose	330845	2.50	23	0	2.000 -12	Water Vane	Inertia	Inst.
137	0, 1	Nose	344623	.90	27	0	1.500 -12	Air Vane	Impact	Inst.
137	2	Nose	437988	.90	27	0	1.500 -12	Air Vane	Impact	Inst.
139	0	Nose	375593	2.10	29	0	2.000 -12	Set Back	Impact	Inst.
140	0	Nose	375899	3.50	30	0, 1	2.000 -12	Hydrostatic Pressure.	Impact	Inst.
141	0	Nose	440263	2.74			2.000 -12	Air Vanes	Impact	Inst.
145	0	Nose	344601	.90	27	0	1.500 -14	Air Vanes	Impact	0.020
145	1	Nose	422548	.90	27	0	1.500 -14	Air Vanes	Impact	0.020
146	0	Base	393777	3.40	35	0	2.750 -14	Motor Press.	Inertia	Inherent
146	1	Base	438182	3.40	35	0	2.750 -14	Motor Press.	Inertia	Inherent

ROCKET ASSEMBLIES AND COMPONENTS

FUZES

SENSI- TIVITY TO FIR- ING ON WATER IMPACT	AUX. DEV. OR BOOSTER		HEAD			ROUND USED WITH—	STATUS	REMARKS AND PUBLICATIONS
	MARK	MOD	CALIBER	MARK	MOD			
Yes	44	2	5"0	7	All	5"0 SSR	Current	} Plastic ogive.
Yes	44	2	5"0	10, 12, 13.	All	5"0 SSR	Current	
Yes	44	2	5"0	{10, 12, 13.}	All	6"0 SSR	Current	} Steel ogive.
Yes	52	2					0, 1		5"0 SSR	Current	Gas checked.
Yes	None		5"0	8	0, 1	5"0 SSR	Current	} Gas checked. Booster mate- rial added.
Yes	None		5"0	8	0, 1	5"0 SSR	Current	
								Die cast rotor housing.
			5"0	7, 10, 12	All	5"0 SSR	Current	More sensitive than Mk 44 Mod 1.
			5"0	13	All	5"0 SSR	Current	
Yes			5"0	7	2	5"0 SSR	Current	
Yes				7	2	6"0 SSR	Current	
Yes	44	2	5"0	7	All	5"0 SSR	Current	
						NAE Beacon	Not produced	
			3"5	15	0	3"5 AR-Flare		Similar to Mk 134 Mod 0. Except for fuse delay.
			3"5	15	0	3"5 AR-Flare		Similar to Mk 134 except plas- tic body.
No			7"2	{4 5	{0, 3 0	7"2 Shipboard	Current	Predecessor of Mk 156.
Yes			4"5	9	0	4"5 Incend.	Current	Mk 137 w/burster tube at- tached.
Yes			3"5	11	0	3"5 AR-In- cend.	Not produced	Fuze 149 attached with burster tube.
			3"5	10	0	3"5 AR-W		} Delay Fuze is an 18 second maximum delay fuze. (Bickford).
				14	0	3"5 Window		
				15	0	3"5 AR-Flare		
			7"2	8	0	7"2 RETRO		} Superseded by Mk 158.
				3	0-3	7"2 Shipboard		
No			7"2	4A	0, 1	7"2 Shipboard		} Predecessor of Mk 158.
Yes				4	All	7"2 Proj. Chge.	Current	
Yes			4"5	1	0	4"5 Barrage	Current	
Yes	3	0	4"5	3	0	7"2 Smoke	Current	
			7"2	7	0	7"2 Demo	Current	
			7"2	9	0	7"2 RETRO		
No	1	0	7"2	5	0	ASW.		
No	1	0	7"2	6	0	7"2 RETRO		
No	1	0	7"2	4	All	ASW.		Replaced by Mk 150.
			7"2	5	0	7"2 Proj. chge.	Current	
No	1	0	7"2	5	0	7"2 Ship- board.	Current	Water discriminating. Re- placed by Mk 152.
Yes	3	0				7"2 Demo		
Yes	3	0	4"5	3	0	4"5 Barrage	Current	Similar to Mk 137 Mod 2 but with 0.020 sec delay.
Yes	1	0	5"0	1	0, 1	5"0 AR		} Replaced by Mk 157 to pro- vide 0.020 sec. delay
Yes	1	0	7"2	10	0	7"2 Demo		

ROCKET

MARK	MOD	TYPE	GEN- ERAL ARNO'T DWO	FUEL WEIGHT (lb.)	FUEL CONTAINER (inner)		THREAD SIZE	ARMED BY—	FIRED BY—	DELAY TIME (sec.)
					MARK	MOD				
147	0	Nose	394940	1.41	37	1	1.500 -12	Air Vanes	Impact	Inst.
147	1	Nose	423842	1.41	37	1	1.500 -12	Air Vanes	Impact	Inst.
148	0	Nose	394786	1.40	27	1	1.500 -12	Air Vanes	Impact	Inst.
149	0	Nose	393783	2.75	39	0	1.700 -14	Air Vanes	Impact	Inst.
149	1	Nose		2.75	39	0	1.700 -14	Air Vanes	Impact	Inst.
150	0	Tail			40	0		Mk 151-0	Impact	0.06 sec.
151	0	Tail	389063		42	0		Air Vanes		
152	0	Nose	423659	4.10	44	0	1.750 -14	Air Vanes	Impact	Inst.
153	0	Nose						Air Vanes	Impact	
154	0	Nose	423844	1.40	37	0	1.500 -12	Air Vanes	Impact	Inst.
154	1	Nose			37	0				
154	2	Nose	423847	1.40	37	0	1.500 -12	Air Vanes	Impact	Inst.
154	3	Nose	423848	1.40	46	0	1.500 -12	Air Vanes	Impact	Inst.
155	0	Nose	423845	3.20	48	0	1.700 -14	Air Vanes	Impact	Inst.
155	1	Nose			48	1	1.700 -14	Air Vanes	Impact	Inst.
156	0	Nose	438552	2.82	23	0	2.000 -12	Water Vanes	Inertia	Inst.
157	0	Base	438015	3.40	35	0	2.750 -14	Motor Press.	Inertia	0.020
157	1	Base	438629	3.40	35	0	2.750 -14	Motor Press.	Inertia	0.020
157	2	Base	438630	2.50	25	0	2.750 -14	Motor Press.	Inertia	0.020
158	0	Nose	438552	2.82	23	0	2.000 -12	Water Vanes	Inertia	Inst.
159	0	Base	437550	3.40	35	0	2.750 -14	Motor Press.	Inertia	0.020
159	1	Base	439631		35	0	2.750 -14	Motor Press.	Inertia	0.020
160	0	Base	438629	3.45	51	0	2.750 -14	Motor Press.	Inertia	0.020
161	0	Base	440296	5.21	51	0	3.025 -12	Motor Press.	Inertia	Inherent
162	0	Base	561465	4.90	54	0	2.750 -14	Pressure Im- pact.	Change in Decel.	Inherent, 0.010.
163	0, 1	Base	561450	3.45	50	0, 1	2.750 -14	Motor Press.	Inertia	0.020
164	0	Base	561460	3.45	35	0	2.750 -14	Motor Press.	Inertia	0.015

ROCKET ASSEMBLIES AND COMPONENTS

FUZES—Continued

SENSI- TIVITY TO FIR- ING ON WATER IMPACT	AUX. DET. OR BOOSTER		HEAD			ROUND USED WITH—	STATUS	REMARKS AND PUBLICATIONS
	MARK	MOD	CALIBER	MARK	MOD			
Yes			7.2	7	0	7.2 Smoke Hd.	Current	Similar to Mks 137 and 148 but with burster tube.
Yes			7.2	7	0	7.2 Smoke	Current	
			7.2	9	0	7.2 Demo		
Yes	3	0	3.5	3	0	3.5 AR		Superseded by Mk 149.
				5	0	3.5 AR		
	3	0	5.0	1	0	5.0 AR		
				1	1	5.0 AR		
Yes	3	1	3.5	3	0	3.5 AR	Current	To be replaced by Mk 149 Mod 1.
				5	0	5.0 AR		
Yes	3	1	5.0	5	0, 1	5.0 AR	Current	
				6	0, 1	5.0 HVAR		
				25	0-2	5.0 HVAR		
	151	0						Limited production. Modified Mk 228 Bomb Fuse. Used on 1250-lb AP Rocket Bombs Mk 50. See OP 1220.
Yes	2	0	7.2	5	0	7.2 Demo	Current	Predecessor of Mk 141. Spring Drive 1 to 30 sec delay. Used on Mk 16 Float.
Yes			4.5	7	0	4.5 Smoke	Not produced	Similar to Mk 137 Mod 1 but with burster tube attached.
				10	0			
Yes			4.5	7	0	4.5 Smoke	Current	Similar to Mk 137 Mod 2 with burster tube attached.
Yes			4.5	10	0	4.5 Smoke	Current	Similar to Mk 137 Mod 2 with flexible burster tube at- tached.
Yes			3.5	6	0	3.5 Smoke		Similar to Mk 149. Burster tube attached.
Yes								
No	1	0	7.2	4	0	7.2 Ship- board.	Current	Replaces Mks 131, 140.
Yes	1	0	5.0	1	0, 1	5.0 AR		Not gas checked.
Yes	1	0	11.75	1	0, 1	11.75 AR		
Yes	1	0	11.75	2	0	11.75 AR	Current	Gas checked. Replaced by Mk 163.
No	1	0	7.2	4	0	7.2 Proj. Chgr.	Current	Similar to Mk 156 but has collar shear wire. Replaces Mk 136.
Yes			5.0	5	0, 1	5.0 HVAR		Not gas checked.
Yes			5.0	5	0, 1	5.0 HVAR	Current	Similar to Mk 157 but for higher velocity rockets.
Yes			5.0	1	0, 1	5.0 AR	Not produced	
Yes			7.2	10	1	7.2 Demo	Current	Replaces Mk 146 Head to Motor Adapter. No gas check required.
No			11.75	2	1	11.75 AR		Gas checked. Water discrimi- nating. (DDR) mech de- lay.
				4	0			
Yes	19	0	11.75	2	0	11.75 AR		Gas checked. Redesignated Mk 157 with new shutter lock and pyro delay.
				4	1, 2			
Yes			5.0	5	1	5.0 HVAR	Current	Gas checked. Redesignated Mk 159 Mod 1. New shutter lock.
				6	1, 4			

MARK	MOD	TYPE	GENERAL ARBO'T Dwo	FUSE WEIGHT (lb.)	FUSE CONTAINER (inner)		TERRAD SIZE	ARMED BY—	FIRED BY—	DELAY TIME (sec.)
					MARK	MOD				
165	0	Base	561458	5.70	51	1	3.625 -12	Motor Press	Inertia	0.020
166	0	Base	562011	3.90	56	0	2.125 -12	Motor Press	Change in Decel.	Inherent
166	1	Base	562011	3.90	56	0	2.125 -12	Motor Press	Change in Decel.	Inherent
166	2	Base	978505	3.90	56	0	2.125 -12	Motor Press	Change in Decel.	Inherent
170	0	Nose	680766	2.33	91	0	2.000 -12	Spin	VT-Radio Proximity	
170	1	Nose	680766	2.33	91	0	2.000 -12	Spin	VT-Radio Proximity	
171	0	Nose	(*)	4.0			2.000 -12	Air Vanes	VT-Radio Proximity	
172	0	Nose	(*)	4.0			2.000 -12	Air Vanes	VT-Radio Proximity	
172	1	Nose	(†)	4.0			2.000 -12	Air Vanes	VT-Radio Proximity	
172	2	Nose	(‡)	4.0			2.000 -12	Air Vanes	VT-Radio Proximity	
173	0, 2, 4	Nose	680724	2.33	91	0	2.000 -12	Spin	VT-Radio Proximity	
174	0	Nose	706175	2.44	91	0	2.000 -12	Spin	VT-Radio Proximity	
176	0	Nose	656269	.75			1.4375-16	Acceleration	Impact	0.0003
176	1	Nose	657739	.75			1.4375-16	Acceleration	Impact	0.0003
177	0	Nose	399141	3.75	113	0	2.000 -12	Water Vanes	Impact	Inst.
178	0	Nose	657178	.75			1.4375-16	Acceleration	Impact	Inst.
178	1	Nose	656065	.75			1.4375-16	Acceleration	Impact	Inst.
178	2	Nose	657735	.75			1.4375-16	Acceleration	Impact	Inst.
179	0	Base	1370272	1.93			2.375 -12	Motor Press Elec. Chg.	Impact	Inst. 0.005, 0.050
180	0	Base	1370275	1.93			2.375 -12	Motor Press Elec. Chg.	Impact	0.005
181	0	Nose	1378092	.82			1.4375-16	Acceleration	Impact	Inst.
185	0	Nose	656817	.75			1.4375-16	Acceleration	Impact	0.003

* Army ORD 73-11-123.
 † FF 428 Rev. 3.
 ‡ FF 406 Rev. 9.

ROCKET ASSEMBLIES AND COMPONENTS

FUZES—Continued

SENSI- TIVITY TO FIR- ING ON WATER IMPACT	AUX. DET. OR BOOSTER		HEAD			ROUND USED WITH—	STATUS	REMARKS AND PUBLICATIONS
	MARK	MOD	CALIBER	MARK	MOD			
Yes			5"0	1	1	5"0 AR		Head to motor adapter fuse. No gas check required. Gas checked. Water discrimi- nating. Similar to Mk 162. Mechanical delay only.
No			5"0	{ 2 20	{ 2 0	5"0 HVAR		
No			5"0				Not produced.	
No			5"0	2	2	5"0 HVAR	Current.	
Yes	44	1						For use on 4"5 Rocket M16 (Army) M402.
Yes								
Yes							Not produced.	Formerly T-30.
Yes			5"0	1	1	5"0 AR		Same as T 2004. Replaced by Mk 172 Mod 1.
Yes			5"0	6	4	5"0 HVAR	Obsolete.	Same as Army M403-E2. Re- placed by Mk 172 Mod 2.
Yes			5"0				Current.	New amplifier circuit. Same as M403-E2 (Army).
Yes			5"0	{ 10 10	{ 9 11	5"0 SSR	Current.	Similar to Projectile Fuse Mk 58.
Yes			5"0	10	11	5"0 SSR	Current.	Waterproofed version of Mk 173.
No			2"75	1	All	2"75 FFAR	Current.	To be replaced by Mk 176 Mod 1.
No			2"75	1	All	2"75 FFAR	Current.	Replaces Mod 0. Has bal- anced escapement.
No	1	0	7"2	{ 4 5	{ 0 0	7"2 Proj. Chg. 7"2 Shipboard	Current.	Replaces Mk 156 and Mk 158.
No			2"75	1	All	2"75 FFAR	Current.	Similar to Mk 176 but has in- stantaneous action.
No			2"75	1	All	2"75 FFAR	Current.	To be replaced by Mk 176 Mod 1.
No			2"75	1	All	2"75 FFAR	Current.	Has balanced escapement. Air to ground.
Yes			5"0	{ 2 6	{ 2 1	5"0 HVAR	Not produced.	
No			5"0	20	0	5"0 HVAR	Not produced.	Similar to Mk 179 but has water disc feature and single delay.
No			2"75	5	0	2"75 FFAR	Current.	
Yes			2"0			2"0 FFAR	Not produced.	

ROCKET

MARK	MOD	LD	Ass'y Dwg	NAWORD or MIL SPEC.	IGNITER WEIGHT (lb.)	LEAD LENGTH (in.)	CASE MATERIAL	FILLER	
								WEIGHT (grams)	GRANULATION
104	0		329534	OS 1410	0.08	22.00	Brass	10.0	FFFG
104	1		329534	OS 1410	.08	22.00	Brass	12.0	FFFG
105	0		329404	OS 1410	.02	24.00	Plastic	2.8	FFFG
105	1		329404	OS 1410	.02	12.25	Plastic	2.8	FFFG
106	0		368843	OS 1418	.07	22.00	Plastic	12.0	FFFG
109	0		422166	OS 1444	.33	47.00	Plastic	34.0	FFFG
110	0		394821						
111	0		423872		.30	27.00	Plastic	34.0	FFFG
112	0	133165	424885	OS 1547	.08	20.25	Plastic	14.0	FFFG
112	1	174942	457607	OS 1547	.08	20.25	Plastic	14.0	FFFG
112	2	268438	457774	MIL-I-17046 (NOrd)	.08	20.25	Plastic	14.0	FFFG
113	0	133166	424887	OS 1547	.08	15.25	Plastic	14.0	FFFG
113	1	C. I. T.	C. I. T.						
114	0	133182	451268	OS 1581	.25	50.0	Tin Plate	55.0	FFFG
114	1	268431	457778	MIL-I-17924 (NOrd)	.25	50.0	Tin Plate	55.0	FFFG
116	0	133193	451280	OS 1587	.33	47.00	Plastic	35.0	FFFG
117	0	166315	451310	OS 1581	.12	22.00	Tin Plate	30.0	FFFG
117	1	166406	556523	OS 1581	.12	22.00	Tin Plate	30.0	FFFG
117	2	268435	656722		.12	22.00	Tin Plate	30.0	FFFG
118	0	166316	451329	OS 1581	.12	15.0	Tin Plate	30.0	FFFG
118	1	166407	556523	OS 1581	.12	15.0	Tin Plate	30.0	FFFG
118	2	268434	656719		.12	16.0	Tin Plate	30.0	FFFG
119	0	166312	451319	OS 1581	.70	4.0	Tin Plate	230.0	FFFG
120	0	166364	462532	OS 1581	.12	12.0	Tin Plate	30.0	FFFG
120	1	166408	556524	OS 1581	.12	12.0	Tin Plate	30.0	FFFG
120	2	268433	656720		.12	12.0	Tin Plate	30.0	FFFG
121	0	166389	556506	OS 1581	.15	48.0	Tin Plate	30.0	FFFG
121	1	268432	656721		.15	48.0	Tin Plate	30.0	FFFG
124	0	254357	457009	OS 1779	.70		Tin Plate	32.0	FFFG
125	0	254377	457035	OS 1782	.05	2.12	Tin Plate	10.0	FFFG
125	2	267525	457207	OS 1783	.05	2.12	Tin Plate	10.0	FFFG + Mg
125	3	255648	1214710	OS 1783	.05	2.12	Tin Plate	10.0	FFFG + Mg
125	4	268441	457888	MIL-I-17943	.05	2.12	Tin Plate	10.0	FFFG + Mg
127	0	174881	656170	OS 1784	.22		Tin Plate	45.0	FFFG + Mg
127	1	368546	656895	OS 1784	.22		Tin Plate	45.0	FFFG + Mg
129	0	268492	457965		.50		Tin Plate	8.0	FFFG + Mg

ROCKET ASSEMBLIES AND COMPONENTS

IGNITERS

No. Squibs Used	MOTORS USED WITH—			GRAIN		STATUS	REMARKS AND PUBLICATIONS
	CALIBER	MARK	MOD	MARK	MOD		
1	2.25	3	0	1	0	Current	
		3	1	2	0		
		3	2	3	0		
1	2.25	1	0	1	0	Current	
		7	0	1	0		
1	1.25	8	0	1	0	Current	
		1	0,1	4	0,1		
1	1.25	2	0,1	4	0,1	Current	
		3	0,1	5	0,1		
1	1.25	4	0,1	12	0,1	Current	
		6	0,1	12	1		
1	2.25	3	3	10	0	Current	
		9	0	1	0		
1	3.25	1	0	6	0,1	Current	
		2	0	7	0,1		
1	3.25	3	0	8	0,1	Current	
		4	0,1	9	0		
1	3.25	6	0	13	0	Current	
		7	0	13	0		
1	3.25	7	4,5	20	0	Current	
		18	3,7	13	0		
1	3.25	8	0	14	0	Current	
		9	0	15	0		
1	3.25	10	0	14	0	Current	
		11	0	15	0		
1	2.25	12	0	7	1	Current	
		14	0,1	7	1		
1	2.25	15	0	7	1	Current	
		10	0,1	16	0,1		
1	2.25	11	0-2	16	0,1	Current	
		15	0-2	18	0,1		
1	2.25	16	0-4	18	0,1	Current	
		12	0	17	0		
1	2.25	13	0,1	17	0	Current	
		14	0-2	17	0		
1	2.25	17	0-4	17	0	Current	
		1	0	18	0		
2	5.0	2	0-5	18	0	Current	
		10	0-7	18	0		
1	3.25	7				Not produced	
1	5.0	3	0-4	21	0,2	Current	
1	3.25	19	0	23	0	Current	
1	5.0	4	0-4	23	0-3	Current	
2	11.75	1	0-3	19	0	Current	
		2	0	19	0		
1	5.0	5	0-4	24	0-2	Current	
		6	0-4	25	0-2		
1	3.25	7	1-3	20	0	Current	
		16	0,1,2,5,6	20	0		
1	3.25	8		13	0	Current	
		1	0	26	0		
1	2.75	1	0-2	28	0	Current	
		1	0-2	31	0		
1	2.75	1	2-4	31	0,1	Current	
		2	0-3	43	0,1		
1	2.75	1	2-4	31	0,1	Not Produced	
		2	0-3	43	0,1		
1	2.75	3	0,1	43	1	Current	
		12	0,1	29	0,1		
2	5.0	12	0,1	29	0,1	Experimental	
2	5.0	12	2	29	0,1	Experimental	
1	2.0	1	0	44	0	Current	

PROPELLANT

MARK	MOD	Dwg	WEIGHT (lb.)		DIMENSIONS (in.)			
			GRAIN ONLY	ASSEMBLED	OUTSIDE DIAMETER		LENGTH	
					GRAIN	ASS'Y	GRAIN	ASS'Y
1	0	375029	1.429	1.47	1.97	1.97	11.60	11.60
2	0	375029	1.551	1.60	1.97	1.97	11.60	11.60
3	0	375029	1.503	1.55	1.97	1.97	11.60	11.60
3	1	375029	1.503	1.55	1.97	1.97	11.60	11.60
4	0	375029	.207	.21	1.10	1.10	5.80	5.80
4	1	375029	.207	.21	1.10	1.10	6.40	6.10
5	0	375029	.142	.19	1.10	1.10	4.10	4.10
5	1	375029	.142	.19	1.10	1.10	4.40	4.40
6	0	375029	1.800	1.85	2.95	2.95	8.80	8.60
6	1	375029	1.800	1.85	2.96	2.96	8.70	8.70
7	0	375029	2.800	2.85	2.96	2.96	13.00	13.00
7	1	375029	2.800	2.85	2.96	2.96	13.00	13.00
8	0	375029	4.140	4.19	2.96	2.96	19.30	19.30
8	1	375029	4.140	4.19	2.96	2.96	19.55	19.55
9	0	375029	1.69	1.74	2.96	2.96	8.15	8.15
10	0	375029	1.397	1.44	1.97	1.97	11.50	11.50
11	0	375029	5.25	5.30	2.96	2.96	20.25	20.25
11	1	375029	5.25	5.30	2.96	2.96	20.25	20.25
12	0	375029	.298	.34	1.10	1.10	8.30	8.30
12	1	375029	.298	.34	1.10	1.10	8.80	8.80
13	0	394734	8.50	8.83	2.73	2.83	33.75	32.40
14	0	421111	3.77	3.82	2.96	2.96	14.60	14.60
15	0	421112	2.60	2.65	2.96	2.96	10.10	10.10
16	0	424989	1.75	1.80	1.97	1.97	12.50	13.28
16	1	424989	1.75	1.80	1.97	1.97	13.25	14.09
17	0	424988	1.12	1.15	1.97	1.97	8.50	8.28
18	0	467007	24.00	24.83	4.230	4.530	39.00	39.25
19	0	467041	36.70	37.75	4.230	4.530	59.50	60.00
20	0	407043	8.50	8.88	2.730	2.930	33.75	34.00
21	0	467048	9.95	10.38	4.230	4.530	18.30	18.55
21	1		9.95	10.38	4.230	4.530		
21	2	655895	9.95	10.32	4.230	4.530	18.30	18.55
22	0	467051	5.55	5.83	4.230	4.530	9.10	9.35
22	1	655895	5.55	5.83	4.230	4.530		9.10
22	2	655895	5.55	5.83	4.230	4.530		
22	3	655896	5.55	5.782	4.230	4.530	9.10	9.35
23	0	556528	2.60	2.63	2.730	2.930	9.95	10.20
24	0	407153	3.84	4.06	4.230	4.530	6.30	6.55
24	1	655897	3.84	4.034	4.230	4.530	6.30	6.55
24	2		3.84	4.06				
25	0	467154	3.07	3.27	4.230	4.530	5.04	5.29
25	1	655898	3.07	3.24	4.230	4.530	5.04	5.29
25	2		3.07	3.24				
26	0	656010	21.85	22.80	4.470	4.620	35.37	35.62

ROCKET ASSEMBLIES AND COMPONENTS

GRAINS

SHAPE	COMPOSITION	MOTORS USED WITH—			STATUS	REMARKS AND PUBLICATIONS
		CALIBER	MX	MOD		
Int-Ext-Cyl.	JPN	2.25	1, 3	0		For 7.2 Rocket (ASW).
Int-Ext-Cyl.	JPN	2.25	7, 8, 9	0		For 4.5 Rocket (Barrage).
Int-Ext-Cyl.	JPN	2.25	3	1		
Int-Ext-Cyl.	JPN	2.25	3	2		For 7.2 Rocket (ASW).
Int-Ext-Cyl.	JPN	2.25	3	2	Current	
Int-Ext-Cyl.	JPN	1.25	1	0, 1	Current	For 2.5 Subcaliber (ASW) 175 f/s
Int-Ext-Cyl.	JPN	1.25	2	0, 1	Current	For 2.5 Subcaliber (RETRO) 200 f/s
Int-Ext-Cyl.	JPN	1.25	2	0, 1	Current	For Drift Signal, Night 300 f/s.
Int-Ext-Cyl.	JPN	1.25	3	0, 1		
Int-Ext-Cyl.	JPN	1.25	3	0, 1	Current	For Drift Signal, Night 200 f/s.
Int-Ext-Cyl.	JPN	3.25	1	0		For 7.2 Rocket (RETRO) 200 f/s
Int-Ext-Cyl.	JPN	3.25	1	0		C. I. T.
Int-Ext-Cyl.	JPN	3.25	2	0		For 7.2 Rocket (RETRO) 300 f/s
Int-Ext-Cyl.	JPN	3.25	2	0		C. I. T.
Int-Ext-Cyl.	JPN	3.25	12	0		For 3.5 Rocket (WINDOW).
Int-Ext-Cyl.	JPN	3.25	14	0, 1		For 3.5 Rocket (FLARE).
Int-Ext-Cyl.	JPN	3.25	15	0		For Grapnel or Outeroo.
Int-Ext-Cyl.	JPN	3.25	12	0	Current	For 3.5 Rocket (WINDOW).
Int-Ext-Cyl.	JPN	3.25	3	0		For 7.2 Rocket (RETRO) 400 f/s
Int-Ext-Cyl.	JPN	3.25	3	0		C. I. T.
Int-Ext-Cyl.	JPN	3.25	4	0, 1		For 7.2 Rocket (RETRO) 200 f/s.
Int-Ext-Cyl.	JPN	2.25	3	3	Current	For 7.2 Rocket (ASW).
Int-Ext-Cyl.	JPN	3.25	5	0		
Int-Ext-Cyl.	JPN	3.25	5	0		For 7.2 Rocket (CWR).
Int-Ext-Cyl.	JPN	1.25	4	0, 1		For 2.50 Subcaliber (RETRO) 300 f/s.
Int-Ext-Cyl.	JPN	1.25	5	0	Current	For NAE Beacon.
Ext-Cruciform.	JPN	3.25	6	0		
Ext-Cruciform.	JPN	3.25	7	0		For 3.5 and 5.0 AR.
Ext-Cruciform.	JPN	3.25	16	7, 8		
Int-Ext-Cyl.	JPN	3.25	8	0		For 3.25 Rocket (TARGET).
Int-Ext-Cyl.	JPN	3.25	10	0		
Int-Ext-Cyl.	JPN	3.25	9	0		For 3.25 Rocket (TARGET).
Int-Ext-Cyl.	JPN	3.25	11	0		
Int-Ext-Cyl.	JPN	2.25	10	0, 1		
Int-Ext-Cyl.	JPN	2.25	11	0, 1, 2		For 2.25 SCAR.
Int-Ext-Cyl.	JPN	2.25	15	0, 2		
Int-Ext-Cyl.	JPN	2.25	16	0, 6	Current	
Int-Ext-Cyl.	JPN	2.25	12	0		
Int-Ext-Cyl.	JPN	2.25	13	0, 1		For 2.25 SCAR.
Int-Ext-Cyl.	JPN	2.25	14	0, 1, 2		
Int-Ext-Cyl.	JPN	2.25	17	0, 1, 3, 4	Current	
Ext-Cruciform.	JPN	5.0	1	0		
Ext-Cruciform.	JPN	5.0	2	0, 5		For 5.0 HVAR.
Ext-Cruciform.	JPN	5.0	10	0, 7	Current	
Ext-Cruciform.	JPN	11.75	1	0, 3		For 11.75 AR.
Ext-Cruciform.	JPN	11.75	2	0	Current	
Ext-Cruciform.	JPN	3.25	7	0, 5		For 3.5 and 5.0 AR.
Ext-Cruciform.	JPN	3.25	16	0, 1, 2, 5, 6		
Ext-Cruciform.	JPN	5.0	3	0, 4	Not produced.	For 5.0 SSR.
Ext-Cruciform.	JPN	5.0	3	0, 4	Current	
Ext-Cruciform.	JPN	5.0	4	0, 4		
Ext-Cruciform.	JPN	5.0	4	0, 4	Current	For 5.0 SSR.
Ext-Cruciform.	JPN	5.0	4	0, 4		
Ext-Cruciform.	JPN	5.0	4	0, 4		
Ext-Cruciform.	JPN	3.25	13	0		For 3.5 SSR.
Ext-Cruciform.	JPN	5.0	5	0, 1, 2, 4		
Ext-Cruciform.	JPN	5.0	5	0, 1, 2, 4	Current	For 5.0 SSR.
Ext-Cruciform.	JPN	5.0	5	0, 1, 2, 4		
Ext-Cruciform.	JPN	5.0	6	0, 1, 2, 4	Current	For 5.0 SSR.
Ext-Cruciform.	JPN	5.0	6	0, 1, 2, 4		
Int-Triform.	JPN	5.25	1	0		For 12.75 ASP (ASW).

PROPELLANT

MARK	MOD	DWG	WEIGHT (lb.)		DIMENSIONS (in.)			
			GRAIN ONLY	ASSEMBLED	OUTSIDE DIAMETER		LENGTH	
					GRAIN	ASS'Y	GRAIN	ASS'Y
27	0							
28	0	457038	5.982	6.59	2.51	2.57		27.01
29	0							
29	1	656762						
31	0	456923	5.90	6.63		2.595		28.08
31	1	457426	5.90	6.60		2.595		28.0
43	0	656697	5.90	6.40	2.48	2.595	28.47	28.04
43	1	656706	5.90	6.40	2.48	2.595	28.47	28.19
44	0	656840						

ROCKET ASSEMBLIES AND COMPONENTS

GRAINS—Continued

SHAPE	COMPOSITION	MOTORS USED WITH—			STATUS	REMARKS AND PUBLICATIONS
		CALIBER	ME	MOD		
Int-Triform	JPN	5.0	11	0		For 5.0 GARR.
Int-Star		2.75	1	0		For 2.75 FFAR.
Int-Star		5.0	12	0		For 5.0 HPAG.
Int-Star	N-4	5.0	12	0, 1	Current	
Int-Star	N-4	2.75	1	1, 2, 3		For 2.75 FFAR.
Int-Star	NJ	2.75	1	0, 2, 4		
Int-Star	N-5	2.75	2	0, 2		For 2.75 FFAR.
Int-Star	N-5	2.75	2	1, 3	Current	
		2.75	3	0, 1		For 2.75 FFAR.
		2.0	1	0	Current	

MARK	MOD	BUORD LD	BUORD Ass'y Dwg	WEIGHT (lb.)	CABLE TYPE	CLOSURE TYPE
1	0	None		0.29	1/4" Diam. cable	Plastic
1	1	None		.29	1/4" Diam. cable	Plastic
1	2	None	394746	.29	1/4" Diam. cable	Plastic
1	3	None	394746	.29	1/4" OD DCOP-1	Plastic
2	0	165263	434598	.18	1/4" Diam. cable	Plastic
2	1		434598	.18	1/4" OD DCOP-1	Plastic
3	0	165264	434599	.18	1/4" Diam. cable	Plastic
3	1		434599	.18	1/4" OD DCOP-1	Plastic
4	0		424981	.25	1/4" Diam. cable	Metal
4	1		424981	.25	1/4" OD DCOP-1	Metal
5	0		462556	.25	1/4" Diam. cable	Metal
5	1	133183	462556	.25	1/4" OD DCOP-1	Metal
6	0	166318	462560	.65	1/4" Diam. cable	None
7	0	165015	423879	.29	1/4" Diam. cable	Plastic
7	1	165015	423879	.29	1/4" OD DCOP-1	Plastic
8	0	166349	467119	.35	1/4" Diam. cable	None
9	0	166387	462648	.15	2-Cond. Ripcord	Metal
9	1	166388	462649	.18	1/4" OD DCOP-1	Metal
9	2	174593	655899	.18	2-Cond. Ripcord	Metal
9	3	255546	1211701	.18	2-Cond. Ripcord	Metal
10	0	166392	556507	.15	2-Cond. Ripcord	Metal
10	1	166393	556508	.18	1/4" OD DCOP-1	Metal
10	2	166410	556527	.15	2-Cond. Ripcord	Metal
10	3	255537	593242	.15	2-Cond. Ripcord	Metal
10	4	255545	483642	.18	2-Cond. Ripcord	Rubber
11	0	166394	556509	.15	2-Cond. Ripcord	Metal
11	1	166395	556510	.18	1/4" OD DCOP-1	Metal
11	2	255273	433361	.20	3-Cond. Ripcord	Metal
11	3					
11	4	255957	881374	.18	2-Cond. Ripcord	Metal
11	5	255068	881377	.12	3-Cond. Ripcord	Metal
12	0	174479	660841	.19	1/4" OD DCOP-1	Metal
12	1	174481	655869	.19	2-Cond. Ripcord	Metal
12	2	255547	1211706	.19	2-Cond. Ripcord	Rubber
13	0					
14	0					
16	0	174578	655882	.12	2-Cond. Ripcord	None

ROCKET ASSEMBLIES AND COMPONENTS

CONNECTORS

PLUG TYPE	USED WITH MOTORS			STATUS	REMARKS AND PUBLICATIONS
	CALIBER	MARK	MOD		
2-prong special	3.25	7	0, 3		
2-prong special	3.25	8	0		
2-prong plastic	3.25	7	2		Similar to Mk 1 Mod 1 but different type plug.
2-prong special	3.25	7			Similar to Mk 1 Mod 1 but different type cable.
2-prong household	3.25	8, 10			
2-prong household	3.25	8, 10			Similar to Mk 2 Mod 0 but different type cable.
2-prong household	3.25	9, 11			
2-prong household	3.25	9, 11			Similar to Mk 3 Mod 0 but different type cable.
2-prong special	2.25	10-14			
2-prong special (AN)	2.25	11	1		Similar to Mk 4 Mod 0 but different type cable.
2-prong special	5.0	1, 2			
2-prong special (AN)	5.0	1, 2			Similar to Mk 5 Mod 0 but different type cable.
2-prong special	11.75	1			External accessory. Replaced by magneto firer.
2-prong special	3.25	14, 15			
2-prong special	3.25	14, 15			Similar to Mk 7 Mod 0 but different type cable.
2 screw-plugs	11.75	1, 2			External accessory. Replaced by magneto firer.
Jack plug	3.25	7	0, 1, 3, 4, 5		
Jack plug	3.25	16	0, 1		Similar to Mk 9 Mod 0 but different type cable.
Jack plug	3.25	16	2, 3, 4		Weak link design in cable.
Jack plug	3.25	16	5, 7, 8		Plastic body. Jack plug.
Jack plug	2.25	16	0		
Jack plug	2.25	17	0		
Jack plug	2.25	16	1		Similar to Mk 10 Mod 0 but different type cable.
Jack plug	2.25	17	1		
Jack plug	2.25	16	2		Similar to Mk 10 Mod 1 but different closure.
Jack plug	2.25	17	2		
Jack plug	2.25	16	3		
Jack plug	2.25	17	3		
Jack plug	2.25	16	4, 5, 6	Current	Plastic body.
Jack plug	2.25	17	4		
Jack plug	5.0	10	0, 2		
Jack plug	5.0	10	1, 3		Similar to Mk 11 Mod 0 but different type cable.
Jack plug	5.0	10	4, 5		
Jack plug	5.0	10	6	Not produced	
Jack plug	5.0	10	7	Current	Plastic body.
Jack plug	2.25	15	2		Air Force use only.
Jack plug	2.25	15	1		
Jack plug	2.25	15	0, 2	Current	Plastic body.
Jack plug	2.25	15		Not produced	
Jack plug	2.25	15		Not produced	
2-prong special	1.25	5	0	Current	(NAE Reconn).

ROCKET HEAD EXPLOSIVES

NAME	COMPOSITION	DENSITY (gm/cc)	WEIGHT (lb./cu. in.)	GENERAL APPLICATION
TNT	Trinitrotoluene	1.55	0.0559	Fragmentation and high explosive heads.
Explosive D	Ammonium Picrate	1.48	.0534	Armor piercing heads.
Comp B	RDX-TNT-WAX	1.65	.0595	Shaped charge heads.
HBX-1	RDX-TNT-ALD-2 CAOL-2	1.68	.0606	Underwater heads.
FS	Sulphur Trioxide in Chlorosulfonic Acid.	1.90	.0681	Smoke.
WP	White Phosphorus	1.83	.0660	
PWP	Plasticized White Phosphorus	1.83	.0660	
THERMIT	Metallic Powder			Fire.

ROCKET HEAD LOADS (other than explosives)

MARK	MOD	BUORD DWG	TYPE OF LOAD	WEIGHT (lb.)	USED WITH 3"5 HEAD		PURPOSE	REMARKS AND PUBLICATIONS
					MARK	MOD		
1	0		Window		10	0	Radar jam	} C. I. T.
1	1	364669	Window	5.2	10	0	Radar jam	
					15	0	Radar jam	
2	0	Sk118924	Window	5.2	10	0	Radar jam	
					15	0	Radar jam	
3	0	Sk118925	Window	5.0	15	0	Radar jam	
4	0	Sk118926	Window	5.0	14	0	Radar jam	
					15	0	Radar jam	
5	0		Window	5.0	14	0		
					15	0		
6	0	Sk364721	Printed leaflets				Propaganda	
7	0	Sk118930	Flare	6.0	15	0	Illumination	
7	1	562237	Flare	6.0	15	0	Illumination	
7	2		Flare	6.0	15	0	Illumination	
8	0	Sk64539, 40, 43	Window	5.0	15	0	Radar jam	
					14	0	Radar jam	

ROCKET ASSEMBLIES AND COMPONENTS

AUXILIARY BOOSTERS

MARK	MOD	BUDG DWG	TOTAL WT (lb.)	DIAMETER (in.)	LENGTH (in.)	CASE MATERIAL	FILLER		HEADS USED WITH			STATUS	REMARKS AND PUBLICATIONS
							TYPE	WEIGHT (grs)	CALIBER	MARK	MOD		
1	0	327960	0.53	1.85	2.98	Copper	TNT (Pressed)	180.0	7.2	1, 3, 4, 5, 7, 8, 10, 11	All	Current	
2	0	376036	.35	1.85	2.00	Copper	TNT (Pressed)	120.0	7.2	4, 5, 11	All	Current	
3	0	388793	.08	1.16	1.43	Paper	TNT (Pressed)	35.6	3.5	3, 5	All	Current	
3	1	393666	.10	1.17	1.43	Plastic (cellulose nitrate)	TNT (Pressed)	35.0	5.0	2, 3	All	Current	
19	0	423888	.53	1.85	2.66	Copper	TNT (Pressed)	160.0	11.75	5, 6	0, 1	Current	
22	0	490090	2.5	4.15	4.50	Brass	TNT (505); TETRYL (315) (Pressed)	680.0	12.75	2, 4, 1, 2	0, 1, 2	Current	

ROCKET CONTAINERS

2.25

CONTAINER						COMPLETE ROUND CONTAINED			HEAD	
Mk	Mod	MATERIAL	BUORD DWG	REFER- ENCE FIG. NO.	NO. PER CONTAIN- ER	CALIBRE	Mk	Mod	Mk	Mod
1	0	Aluminum	439757	12	4	2.25	1	0	3	All
							2	1	3	All
							3	0	3	All
2	0	Steel	439192	12	4	2.25	1	0	3	All
							2	1	3	All
							3	0	3	All
3	0	Wood	423052		8	2.25	1	0	3	All
							2	1	3	All
							3	0	3	All

2.5

			329948			2.5	1	2	3	2, 3
--	--	--	--------	--	--	-----	---	---	---	------

2.75

1	0	Aluminum	516074	11	4	2.75	All	All	All	All
4	0	Chipboard	660851		1	2.75	All	All	All	All
5	0	Wood	660850		6	2.75	All	All	All	All
8	0	Wood	656344		2	2.75	All	All	All	All
11	0	Steel	656674	11	4	2.75	All	All	All	All

4.5

1	0	Aluminum	423020	5	1	4.5	1	0	3	0
							2	0		
							3	0		
2	0	Steel	423039	6	1	4.5	1	0	3	0
							2	0		
							3	0		
3	0	Aluminum	423986	3	1	4.5	4	0	7	0
							4	0		
							4	0		
4	0	Aluminum	440579	6	1	4.5	4	1	10	0
							4	2		
							4	2		

NOTE: All references to and requisitions for rocket containers must specify mark and mod numbers and also caliber of ammunition.

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS)

ROCKETS

MOTOR		STOWAGE DIMENSIONS (in.)			WEIGHT (lb.)		VOLUME (cu. ft.)	STATUS	REMARKS AND PUBLICATION
Mk	Mod	Width	Length	Height	Empty	Loaded			
11	All	11.2	29.0	11.9	23	68	2.2	Current...	
13	All								
14	All								
11	All	11.2	29.0	11.9	35	80	2.2	Current...	
13	All								
14	All								
11	All	16.9	30.1	12.0	32	127	3.5	Superseded.	
13	All								
14	All								

ROCKETS

1	0								
---	---	--	--	--	--	--	--	--	--

ROCKETS

All	All	8.0	51.5	8.0	24	101	1.9	Current...	
All	All		49.2	8.10	2.5	21.4	1.3	Superseded.	
All	All	12.1	53.0		35.5	149.3		Superseded.	
All	All	8.3	52.7	5.6	23	60.9	1.3	Superseded.	
All	All	7.9	57.4	7.9	29	104.0	1.8	Superseded.	

ROCKETS

9	0	6.88	6.8	35.8	11	40	.75	} 2725 Motor used.	
9	0	8.13	8.13	35.5	15	45	1.24		
9	0	6.88	6.8	42.13	11	40	.88	} FS loaded only. 2725 Motor used. WP or PWP loaded. Container has permanent partition between head and motor.	
9	0								
9	0	7.26	7.26	44.05	14.5	48.0	1.34		

ROCKET CONTAINERS

5°0

CONTAINER						COMPLETE ROUND CONTAINED			HEAD	
Mk	MOD	MATERIAL	BuOrd DWG	REFERENCE FIG. No.	NO. PER CONTAINER	CALIBER	Mk	MOD	Mk	MOD
8	0	Wood.....	439775		1	5°0	10	All	10	All
							11	All		
							12	All		
9	0	Wood.....	439777		1	5°0	8	1	8	All
							9	1		
							24	All		
9	1	Wood.....	561835		1	5°0	7	All	7	All
							9	0		
							8	1		
							8	1		
							9	0		
							7	All		
							8	0		
							9	0		
							8	1		
							9	1		
10	0	Aluminum.....	433511	5	1	5°0	24	All	8	All
							10	All		
							11	0		
							12	0		
							12	All		
							14	0		
							15	0		
							16	0		
							17	0		
							18	0		
							27	0		
							29	All		
							30	All		
26	0	Aluminum.....	513895	5	1	5°0	31	All	24	All
							32	All		
							33	All		

7°2

1	0	Wood.....	389102	3	1	7°2	6		4	All
---	---	-----------	--------	---	---	-----	---	--	---	-----

12°75

2	0	Aluminum.....	513801	4	1	12°75	1	0	1	0, 2
3	0	Aluminum.....	515790	4	1	12°75	{ 1 2 }	{ 0 0 }	1	0, 2

NOTE: All references to and requisitions for rocket containers must specify mark and mod numbers and also caliber of ammunition.

ROCKET ASSEMBLIES AND COMPONENTS

(COMPLETE ROUNDS) — Continued

ROCKETS

MOTOR		STOWAGE DIMENSIONS (in.)			WEIGHT (lb.)		VOLUME (cu. ft.)	STATUS	REMARKS AND PUBLICATIONS
MR	MOD	WIDTH	LENGTH	HEIGHT	EMPTY	LOADED			
4	AM	7.8	36.0	8.1	17	69	1.3	Superseded.	
3	AM	7.6	35.0	8.1	17	69	1.2	Superseded.	
3	AM	7.6	36.0	8.1	17	69	1.3	Superseded.	
3	AM								
3	AM								
8	AM	6.88	7.26	39.0	10	63	1.01	Current.	
2	AM								
2	AM								
2	AM								
3	AM								
3	AM								
4	AM								
4	AM								
4	AM								
5	AM								
5	AM								
6	AM								
4	AM	6.8	32.0		9			Cylindrical shape container. Locked under 5 psi.	
11	AM								
12	AM								

ROCKETS

3	0	9.1	42.5	9.1	25	94	2.0	2.25 Motor used.
---	---	-----	------	-----	----	----	-----	------------------

ROCKETS

1	0	15.8	106.4	15.8	138	642	15.6	5.25 Motor used. Equipped with eye for hoisting. Tube type welded construction.
1	0	15.7	15.7	104.8	110	620	14.9	5.25 Motor used. Equipped with eye for hoisting. Riveted seams.

ROCKET MOTOR

1.25 ROCKET

CONTAINER					MOTOR			
Mk	Mod	MATERIAL	BUORD Dwo	REFERENCE FIG. NO.	NO. PER CONTAINER	CALIBER	Mk	MOD
		Wood	394219	6	28	1.25	1	All
		Wood	388838	6	25	1.25	2	All
		Wood	388830	6	25	1.25	3	All
1	0, 1	{ Aluminum Steel }	513844	12	16	1.25	{ 4 5 }	{ 0, 1 0 }

2.25 ROCKET

		Wood	329968	8	8	2.25	3	All
		Wood	330182	8	6	2.25	{ 7 8 9 }	{ 0 0 0 }
1	0	Aluminum	439757	12	4	2.25	10-17	All
2	0	Steel	439192	12	4	2.25	10-17	All

2.75 ROCKET

2	0	Wood	656030		12	2.75	1	0
8	0	Fiberboard	655946		4	2.75		
Aero	6A					2.75	{ 1 2 3 }	{ 3, 4 All All }

3.25 ROCKET

		Wood	389813		4	3.25	1	0
		Wood	394694	3	4	3.25	7	0
1	0	Aluminum	394817	12	4	3.25	{ 6 7 16 }	{ 0 All All }
	0	Plywood	513828		4	3.25	7	All
3	0	Wood	440395	0	4	3.25	14	All
4	0	Aluminum	424006	5	1	3.25	15	0
5	0	Wood	501842		2	3.25	7	All
6	0	Wood	561843	9	4	3.25	{ 7 16 }	{ All All }
8	0	Wood	504201	8	2	3.25	{ 7 16 8 }	{ All All 0 }
		Wood	394739	8	4	3.25	{ 10 11 }	{ 0 0 }

ROCKET ASSEMBLIES AND COMPONENTS

CONTAINERS

MOTORS

STORAGE DIMENSIONS (in.)			VOLUME (cu. ft.)	WEIGHT (lb.)		STATUS	REMARKS AND PUBLICATIONS
WIDTH	LENGTH	HEIGHT		EMPTY	LOADED		
17.0	18.1	11.3	2.0	21	84	Current	*Inert. **With explosive.
9.2	14.4	14.4	1.1	15	60	Current	
9.2	14.4	12.4	.9	7	52	Current	
11.2	29.0	11.7	2.2	25	*49	Current	
				37	**54		
					*61		
					**66		

MOTORS

19.6	25.4	14.5	4.2	38	120	Current	In addition, box will accommodate eight (8) 1.75 Projector Charge Tails Mk 2.
17.4	21.0	10.1	2.1	20	83	Current	
11.2	29.0	11.9	2.2	23	68	Current	Also contains four (4) 2.25 heads.
11.2	29.0	11.9	2.2	35	80	Current	

MOTORS

15.4	44.1	12.8	4.9	55	200	Superseded	Sheltered storage recommended.
8.5	42.8	8.6	1.7	6	54.5	Superseded	
						Current	

MOTORS

15.0	22.3	15.0	2.9	24	88	Superseded	Also contains four (4) motor fins.
15.1	52.0	15.1	6.8	34	189		
12.9	52.0	13.0	5.0	42	182	Current	Also contains four (4) fin ass'ys for this motor.
12.8	51.4	12.8	4.8	44.8	179.8	Superseded	Packed in 8' powder tank Mk 10.
14.3	30.1	12.8	8.2	38	101	Current	
10.9	30.3	10.9	2.2	18	35	Current	
9.6	52.1	7.7	2.2	27	87	Superseded	
21.9	23.0	10.5	3.0	26	46	Current	Cover fastened by 3 metal straps.
10.6	52.1	7.7	2.4	28	88	Current	
14.0	36.8	14.0	4.2	40	116	Current	

ROCKET MOTOR

5"0 ROCKET

CONTAINER					MOTOR			
Mk	Mod	MATERIAL	BUORD DWG	REFERENCE FIG. NO.	NO. PER CONTAINER	CALIBER	Mk	Mod
3	0	Wood	423032	3	1	5"0	2	0, 1, 2
4	0	Aluminum	439761		1	5"0	2	3
5	0	Wood	439767		1	5"0	2	3, 4, 5
8	0	Wood	439774		1	5"0	10	All
9	0	Wood	439777		1	5"0	4	All
0	1	Wood	561835		1	5"0	16	All
19	0	Wood	440402	8	2	5"2	3	1
21	0	Wood	561841	8	2	5"0	3	All
23	0	Wood	562255	9	2	5"0	5	All
25	0	Wood	562258	8	4	5"0	4	All

5"25 ROCKET

	0	Wood	665987	3	1	5"25	1	0
--	---	------	--------	---	---	------	---	---

11"75 ROCKET

1	0	Wood	439766	3	1	11"75	1	All
1	1	Wood	515729	3	1	11"75	1	1
2	0	Metal	439772	3	1	(†)		
3	0	Wood	561844	3	1	11"75	2	All

†11"75 (Nos only).

ROCKET ASSEMBLIES AND COMPONENTS

CONTAINERS—Continued

MOTORS

STOWAGE DIMENSIONS (in.)			VOLUME (cu. ft.)	WEIGHT (lb.)		STATUS	REMARKS AND PUBLICATIONS
WIDTH	LENGTH	HEIGHT		EMPTY	LOADED		
9.3	56.6	7.8	2.3	23	123	Current	Domestic use only. Will also hold two (2) 5"0 Heads Mk 10 All Mods. For domestic use only. Domestic use only.
10.3	55.5	10.3	3.4	19	109	Superseded	
8.8	56.6	7.8	2.1	30	120	Current	
8.0	36.0	7.8	1.4	19	69	Superseded	
7.6	35.0	8.0	1.2	17		Superseded	
12.3	28.4	7.4	1.4	16	79	Current	
12.3	19.3	7.2	.84	13	54	Current	
12.3	19.9	7.2	1.0	13	65	Current	
18.6	24.6	6.8	1.3	17	95	Current	

MOTORS

15.1	48.5	15.1	6.4	60	138	Current	Wire strap box.
------	------	------	-----	----	-----	---------	-----------------

MOTORS

17.0	88.1	17.5	16.1	137	814	Current	Motor only. Fin Assembly for Mk 1 Mod 1 Motor.
17.0	88.0	17.3	16.0	137	820	Current	
23.4	24.3	24.1		37	72	Current	
17.0	77.7	17.3	13.3	117	709	Current	

ROCKET HEAD

2.25 ROCKET

CONTAINER					HEAD			
Mk	MOD	MATERIAL	BuOrd Dwg	REFER- ENCE FIG. No.	NO. PNE CONTAINER	CALIBER	Mk	MOD
1	0	Aluminum.....	489737	12	4	2.25	3	0, 2, 3
2	0	Steel.....	489152	12	4	2.25	3	0, 2, 3

2.50 ROCKET

		Fiberboard.....	393668		4	2.50	1	All
--	--	-----------------	--------	--	---	------	---	-----

2.75 ROCKET

6	0	Fiberboard.....	655976		6	2.75	1	0
12	0	Steel.....	656715	12	14	2.75	1, 2, 5	All

3.5 ROCKET

		Wood.....	394636	6	6	3.5	2	0
		Wood.....	424006	6	6	3.5	4	0
		Wood.....	414449	6	6	3.5	4	1
		Wood.....	422163	6	4	3.5	5	All
		Wood.....	422641	6	4	3.5	6	0
		Wood.....	423576	6	6	3.5	8	All
		Wood.....	423630	6	4	3.5	11	0
		Wood.....	423670	6	4	3.5	12	0
		Wood.....	423670	6	4	3.5	14	0
		Wood.....	437800	6	1	3.5	15	0

4.5 ROCKET

		Wood.....	330183	6	4	4.5	3	0
		Wood.....	394436	6	2	4.5	7	0
		Wood.....	394444	6	4	4.5	8	0
		Wood.....	423546	6	4	4.5	9	0
		Wood.....	423594	6	4	4.5	10	0

ROCKET ASSEMBLIES AND COMPONENTS

CONTAINERS

HEADS

STOWAGE DIMENSIONS (INS.)			VOLUME (cu. ft.)	WEIGHT (LBS.)		STATUS	REMARKS AND PUBLICATIONS
WIDTH	LENGTH	HEIGHT		EMPTY	LOADED		
11.2	29.0	11.9		23	68	Current	Container holds four (4) 2*25 Motors and Heads. (Heads not packed without motors).
11.2	29.0	11.9		35	80	Current	

HEADS

5.6	5.6	8.7	0.16	1.0	30.0		
-----	-----	-----	------	-----	------	--	--

HEADS

6.12	9.12	12.37	0.4	1.50	39.9	Superseded	Same as 20-mm Ammo Box Mk 3 Mod 2. For overseas shipment only.
9.30	18.2	12.75	1.5	17.5	110.0	Current	

HEADS

11.9	16.0	11.3	1.3	20	150	Superseded	
13.8	17.4	11.1	1.5	18	138	Superseded	
13.5	16.3	11.0	1.4	16	136		
8.1	22.8	8.6	.9	12	82	Current	
12.9	15.3	10.8	1.2	14	134	Current	
8.1	26.3	8.6	1.1	13	83	Current	
8.1	26.3	8.6	1.1	13	83	Current	
8.0	24.5	8.6	1.0	12	72	Superseded	
8.0	26.5	8.6	1.0	13	74	Current	

HEADS

11.3	17.8	11.1	1.3	15	95	Current	
11.4	24.0	13.9	2.2	21	101	Current	
11.3	14.2	11.1	1.0	15	100	Current	
10.1	26.3	10.6	1.8	17	97	Current	
10.1	23.0	10.6	1.5	15	95	Current	

ROCKET HEAD

5"0 ROCKET

CONTAINER					HEAD			
Mk	Mod	MATERIAL	By Ord DWG	REFER- ENCE FIG. No.	No. PER CONTAINER	CALIBER	Mk	Mod
1	0	Wood	394569	6	2	5"0	1	All
2	0	Wood	422053	6	2	5"0	6	All
7	0	Wood	439788	6	6	5"0	8	All
12	0	Wood	380105	6	2	5"0	6	All
13	0	Wood	440398	6	6	5"0	7	All
14	0	Wood	581837	6	1	5"0	3	All
15	0	Wood	581838	6	1	5"0	4	All
15	1			6			4	All
16	0	Wood	581839	6	1	5"0	9	All
17	0	Wood	440400	6	2	5"0	1	All
18	0	Wood	440401	6	2	5"0	17	All
20	0	Wood	581840	6	2	5"0	12	All
22	0	Wood	581845	6	2	5"0	2	2
23	0	Wood	582255	6	2	5"0	10	All
24	0	Wood	562257	6	2	5"0	21	All
27	0	Wood	516316	6	1	5"0	13	All
31	0	Wood	982454	6	1	5"0	25	0
32	0	Wood	1350879	6	2	5"0	25	1
35	0					5"0	29	0
							26	0

6"5 ROCKET

3	0	Wire Bound	660854		1	6"5	2	0
4	0	Steel	660873		1	6"5	2	0
6	0	Steel	658096		1	6"5	2	All

7"2 ROCKET

1	0	Wood	440399	3	2	7"2	10	1
		Wood	329967	3	2	7"2	4	0
		Wood	394559	3	2	7"2	5	0
		Wood	422005	3	2	7"2	11	0
							8	0
							10	0

12"75 ROCKET

1	0	Wood	655011		1	12"75	1	All
---	---	------	--------	--	---	-------	---	-----

CONTAINERS—Continued

HEADS

STOWAGE DIMENSIONS (ins.)			VOLUME (cu. ft.)	WEIGHT (lbs.)		STATUS	REMARKS AND PUBLICATIONS
WIDTH	LENGTH	HEIGHT		EMPTY	LOADED		
12.9	24.1	7.1	1.26	17	107	Current	For heads w/dummy nose plug.
12.9	25.1	7.2	1.4	16	120	Current	
11.8	18.5	10.3	1.3	16	148	Current	
12.9	21.9	7.2	1.2	17	117	Current	
11.8	18.5	10.8	1.4	16	135	Current	For heads w/o dummy nose plug or nose fuze.
6.9	30.6	7.2	.9	13	61	Current	
6.9	37.1	7.2	1.1	15	65	Current	
6.9	35.7	7.2	1.0	13	61	Current	
12.3	23.1	7.3	1.2	16	115	Current	Also holds two (2) 5"0 motors Mk 4 Mods.
12.3	20.4	7.4	1.1	13	100	Current	
12.3	22.8	7.4	1.2	16	86	Current	
12.9	18.6	7.4	1.0	14	118	Current	
12.3	19.9	7.2	1.0	13	73	Current	
12.3	24.5	7.2	1.3	16	91	Current	
6.9	41.8	7.2	1.2	16	70	Current	
6.9	33.8	7.3	.9	13	114	Current	
12.9	21.1	7.2	1.14	16.5	106.1	Current	

HEADS

8.4	45.0	8.4	1.8	16	76	Superseded	Fitted with internal supports.
10.7	43.8		2.2	24	84.3	Superseded	
43.0	8.5	8.5	1.8	20	78		

HEADS

17.8	24.0	9.7	2.5	27	133	Current	Differs in loaded weight only.
16.8	27.3	9.3	2.5	25	137	Current	
				25	127		
				25	127		
16.6	23.0	9.1	1.9	26	128	Current	
16.6	23.2	9.1	2.1	23	119	Current	

HEADS

14.0		17.3	9.0	70	150	Current	Live or inert.
------	--	------	-----	----	-----	---------	----------------

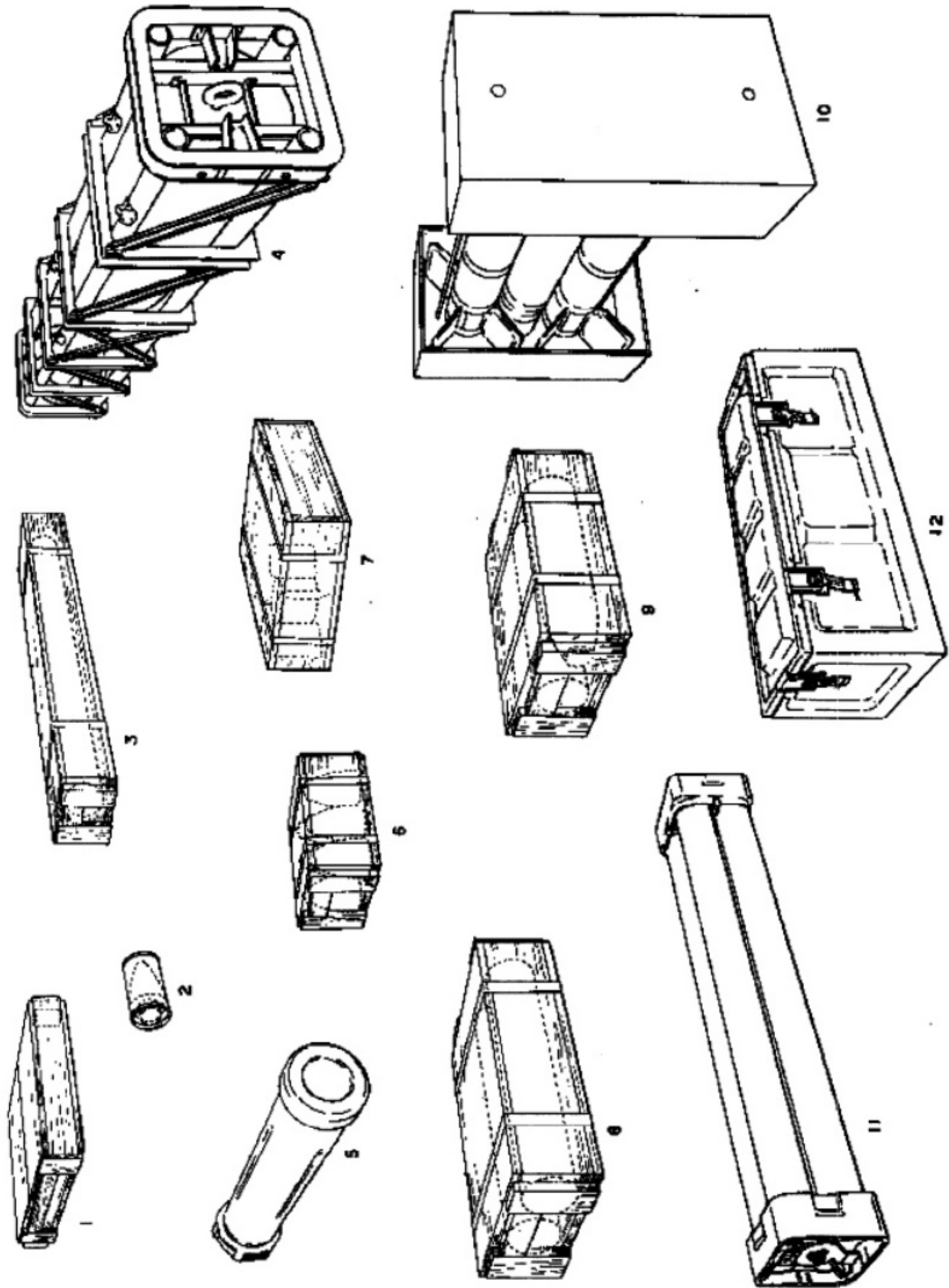
INNER CONTAINER DESCRIPTION

CONTAINER				STOWAGE DIMENSIONS (in.)			WEIGHT (lb.)		
MR	MOD	BUORD DWG	No. FUZES CONTAINED	MATERIAL	WIDTH	LENGTH	HEIGHT	EMPTY	LOADED
1	0	563222	1						3.3
9	0	563239	1	Terne	2.50		9.80	0.50	
11	0	512863	1	Terne	2.50		4.0		
17	0	249581	1	Terne	3.43		4.68		1.8
19	0	258190	1	Terne	2.68		4.81	.28	1.6
21	0	258984	5	Terne	5.68		5.50	1.50	9.2
23	0	247633	1	Terne	3.43		8.0		3.4
25	0	344439	1	Terne	2.50		9.80	.50	6.3
27	0	257040	1	Terne	3.25		3.12		2.6
27	1	257040	1	Terne	3.25		3.12		2.6
29	0	251082	1						
30	0, 1	255399	1		4.25		6.12		
33	0	251078	1		5.12		7.12		7.3
35	0	256080	1		3.43		6.37		3.3
37	0	257048	1		16.46		3.12		2.1
39	0	258913	1		3.0		16.46	1.0	2.0
40	0	258921	1		3.43		9.65		
42	0	258986	1		12.25		4.87		
44	0	245749	1	Terne	5.75		5.0	1.6	5.0
46	0	258923	1		3.11		17.53	.81	2.0
48	0	258906	1		3.43		21.09	1.0	4.2
48	1		1						4.2
50	1								
51	0	259561	1	Terne	4.25		7.0	.62	
51	1	259561	1	Terne	4.25		7.31	.62	
54	0	509015	1	Terne	3.43		7.61		
56	0	506981	1	Terne	2.88		7.03	.62	
91	0, 1		1	Terne	2.91		9.93		
113	0, 1	1350846	1	Terne	3.45		8.812	1.5	6.2

ROCKET ASSEMBLIES AND COMPONENTS

CONTAINERS

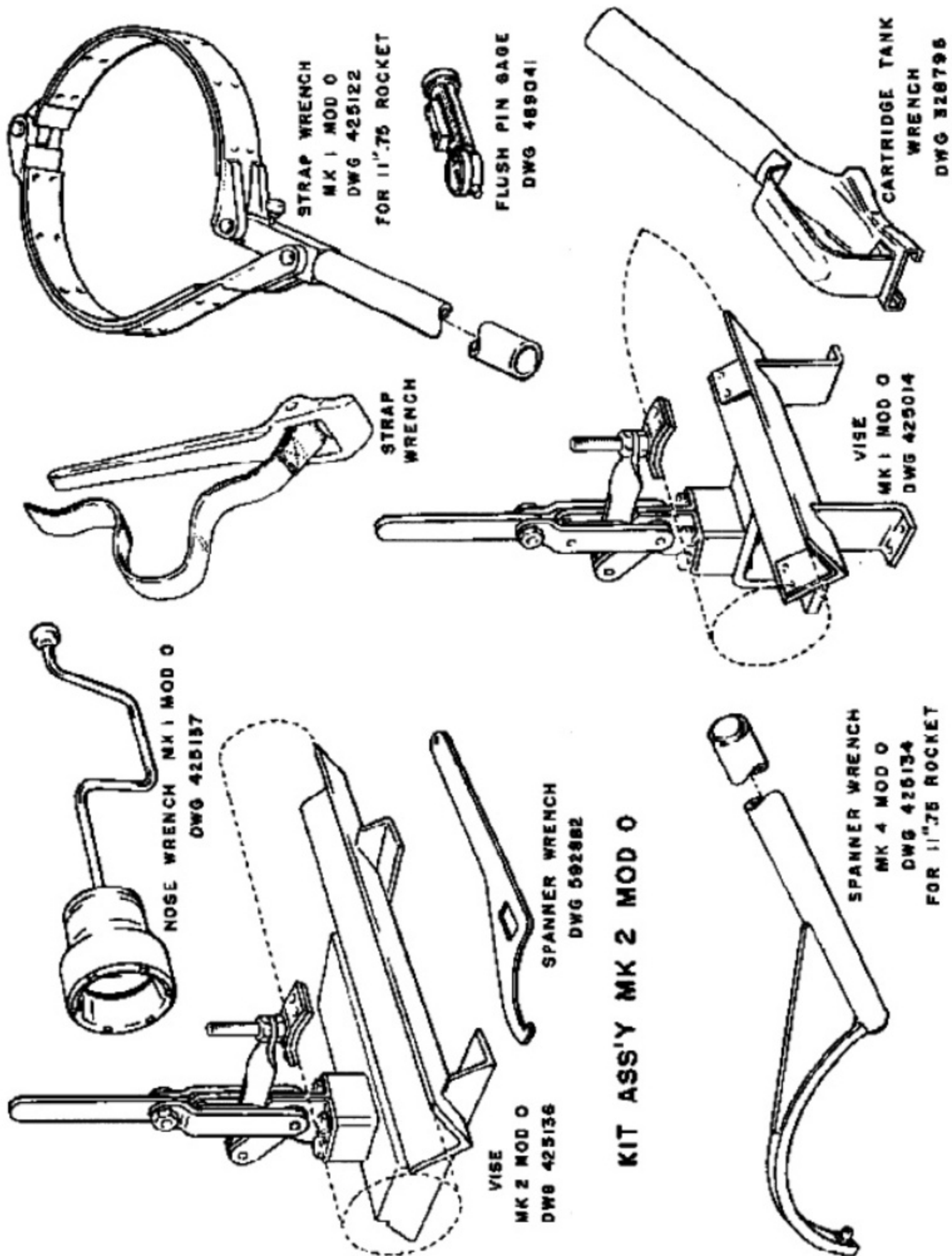
INNER CONTAINER DESCRIPTION—Con.		OUTER CONTAINER DESCRIPTION								
FUZE CONTAINED		CONTAINER				STOWAGE DIMENSIONS (in.)			VOLUME (cu. ft.)	
MK	MOD	MK	MOD	NO. OF INNER CONTAINERS	BU'ORD DWG	MATERIAL	WIDTH	LENGTH		HEIGHT
173	0			12	779403	Steel	12.4	15.4	14.4	1.4
173	0			12	779403	Steel	12.4	15.4	14.4	1.4
174	0									
157	All	12	0	50	512884	Wood	14.1	16.1	8.7	.13
100	All	18	0	24	247675	Wood	16.5	16.3	25.5	1.5
30	All	20	0	48	258915	Wood	15.2	4.9	21.5	1.0
31	0			6						
36	0	22	0	6	258985	Wirebound box	11.6	5.6	18.9	.7
131	0			24						
136	0	24	0	24	247640	Wood	16.5	9.7	25.5	2.3
156	0			24						
158	0			24						
135	All	28	0	6	8k111936	Wood	10.25	15.88	5.75	.5
137	All	28	0	48	257041	Wood	6.87	20.25	13.50	1.1
145	All	28	0	48	257041	Wood	6.87	20.25	13.50	1.1
148	0	28	0	48	257041	Wood	6.87	20.25	13.50	1.1
139	0			24						
140	0	31	0	24	251081	Wood	20.0	30.75	7.75	2.7
143	0			24						
142	0	34	0	6	251079	Wood	10.5	17.3	7.4	1.1
146	All			24						
157	1	36	0	24	256081	Wood	16.5	25.5	8.06	1.0
159	All			24						
154	0			24						
154	All	38	0	24	257049	Wood	15.0	23.25	18.09	3.7
147	All	38	0	24	257049	Wood	15.0	23.25	18.09	3.7
149	All									
150	0	41	0	8	258959	Metal	7.50	14.8	10.0	.6
151	0	43	0	8	506941	Wood	26.4	27.8	11.6	4.9
152	0	45	0	6	163611	Metal	10.4	15.6	6.3	.5
154	All	47	0	24	256952	Wood	15.0	23.8	19.2	3.8
155	0	49	0	12	258920	Wood	21.5	15.0	11.25	1.7
155	1			12						
163	0, 1	36	0							
160	0	52	0	12	259568	Wood	15.4	21.5	8.7	1.7
161	0									
165	0	53	0	12	506936	Wood	15.4	21.5	9.0	1.7
162	0	55	0	24	509010	Wood	16.5	25.5	9.2	2.2
166	0	57	0	24	508945	Wood	8.53	21.37	13.75	1.4
45	All									
69	All									
72	All									
170	All									
173	All									
174	All									
177	All	114	0	12	1350852	Wood	12.75	17.875	11.812	1.5



Rocket Containers.

ROCKET TOOLS

NAME	Mt	Mod	BlOrd Dwg	MATERIAL	LENGTH	WIDTH	JAW	ROUND OR COMPONENT USED WITH--
WRENCHES								
Strap	1	D	425122	Steel	47.56	2.28	11.75	11.75 Rockets.
Spanner	4	D	425124	Steel	9.0	8.0		11.75 Rockets (All).
Fuse			Sk124782	Steel	4.56	2.94	1.50	Base Fuse Mk 146, 157, 159, 162, and 164.
Fuse			Sk124783	Steel	5.09	1.0		Fuse Mk 132, 137, 145, 147, 148, and 154.
Fuse			Sk119802	Steel	5.0	.812	2.0	Nose Fuse Mk 131, 136, 156, and 158.
Fuse			Sk124141	Steel	9.50	3.160	2.02	Nose Fuse Mk 139.
Fuse			Sk124784	Steel	8.50	4.0	2.17	Nose Fuse Mk 133, 149, and 155.
Fuse			433047	Steel				Fuse Mk 173.
			C713483					
Fuse			328708	Steel	12.25	4.5	2.05	Fuse Mk 30.
Plug Adapter			Sk120564	Steel				7.2 Rocket Heads.
Fuse			Sk111614	Steel				Fuse Mk 29 and 100.
			328821					
Nose	1	D	425137	Steel	23.2	4.5		5.0 Rockets (All).
Tank			328798	Steel	{ 10.9 14.10			{ 3.0 Cartridge Tank Mk 5, 6, and 8. 5.0 Cartridge Tank Mk 3, 4, and 5. 6.0 Cartridge Tank Mk 1.
					13.0			6.0 Rockets.
Spanner			522832	Steel	9.0	8.0		3.0 and 5.0 Rockets.
VICE	1		425014	Steel	22.0	12.5		5.0 Rockets.
VICE	2		425136	Steel				All Rockets.
PIN GAGE			489041	Steel				



Rocket Tools.

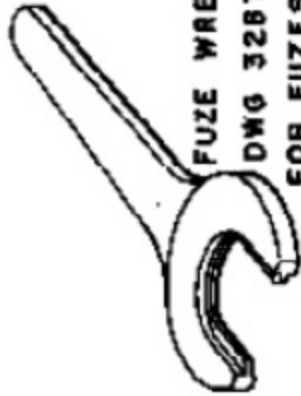
ROCKET ASSEMBLIES AND COMPONENTS



FUZE WRENCH
DWG 124784
FOR FUZES MK 133,
149, 155



FUZE WRENCH
DWG 124783
FOR FUZES MK 132, 137,
145, 147, 148, 154



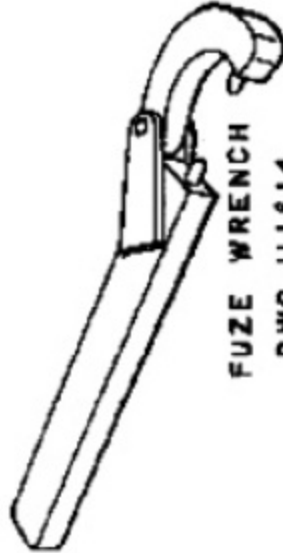
FUZE WRENCH
DWG 328703-1
FOR FUZES MK 22,
25, 30



FUZE WRENCH
DWG 433047
FOR FUZE MK 173



FUZE WRENCH
DWG 119562
FOR FUZES MK 131,
136, 156, 158
DWG 1379312
FOR FUZE MK 177



FUZE WRENCH
DWG 111614
FOR FUZE MK 29



FUZE WRENCH
DWG 124782
FOR FUZES MK 146,
157, 159, 163, 164

DWG 328703-2
FOR FUZES MK 18, 24

Rocket Wrenches.

Chapter 4

SAFETY PRECAUTIONS

SAFETY PRECAUTIONS

General

Rockets, like other types of service ammunition, use in their design and manufacture the highest practical quality of materials and degree of workmanship to insure the accuracy of the round and the safety of personnel handling them. The very nature of the weapons, however, imposes on each person who handles them the responsibility for careful study and observance of all safety precautions. Indifference toward safety measures can be as disastrous as wanton disregard.

THERE IS NO SUBSTITUTE FOR SAFETY. IF YOU DON'T KNOW WHAT IT IS, LEAVE IT ALONE.

Basic Rule of Responsibility*

Safety is a command function. Responsibility for the safety of personnel is vested in the commanding officer. Because these safety precautions apply to the usual conditions only, commanding officers or others in authority may find it necessary to issue more specific precautions to their command in order to cover local conditions and unusual circumstances. In addition to posting appropriate precautions, careful instruction and indoctrination of all personnel are necessary to insure effective compliance with these precautions.

Assembly. No smoking is permitted within 200 feet of rocket ammunition, and only those persons essential for the work shall be in the vicinity of assembly operations. Handle motors carefully at all times. Avoid jarring or dropping, because a cracked propellant grain may cause motor blowup upon firing. Dispose of motors if they are dropped more than 2 feet. Examine motors dropped less than 2 feet for external damage; if no damage is evident, they may be considered safe for use.

*From U. S. Navy Precautions OPNAV 34Pl.



MOTORS DROPPED MORE THAN TWO FEET SHOULD BE DISPOSED OF

Avoid striking the front of the nose fuze or dropping the weapon so that the front of the fuze receives the impact of the fall; a round damaged by such handling probably will not detonate upon impact with the target. Replace the nose fuze if it has been damaged.

Keep away from the front and rear of a round after it has been assembled.

Before testing the electric circuit of the motor or squib, check the applicable requirements for minimum and maximum limits.

Ready-Service Storage. Do not fire rocket motors when the propellant temperature is outside the safe temperature limits specified on the motor tube. Firing at higher-than-temperature limits may cause motor blowup. If the motor has been exposed for more than 1 hour to temperatures outside these limits, maintain it within safe temperature limits for 6 hours before firing.



KEEP 'EM COOL

SAFETY PRECAUTIONS

Loading the Launcher. Never stand behind or directly in front of a rocket that is being loaded into a launcher. When a launcher is loaded and ready for firing, all personnel should be at least 25 feet away from the flank of the launcher and under safe cover if possible. No one should be within 200 feet of the rear of the launcher. When loaded, the launcher should be pointed away from personnel and installations.



KEEP ROCKET PATH CLEAR, FORE AND AFT.

Under no circumstances are electrical tests to be conducted while the rocket is loaded and in the launcher.

Be sure that the firing circuit is not energized, and that it cannot be energized during the loading process.

Safety devices should not be removed from the rocket until the last practical moment.

Disassembly and Storage. Do not remove nose fuzes from heads, unless absolutely necessary. **NEVER ATTEMPT TO REMOVE A BASE FUZE.**



DON'T USE FORCE TO OPEN ROCKET CONTAINERS

Fuzed heads should be stored in a high-explosive magazine, and handled as high explosives at all times.

Motors without heads attached must be stored under the same conditions as smokeless powder.

Motors with heads attached are to be stored in accordance with regulations covering the storage of fixed-case ammunition. Do not store motors in the same compartment, or in the vicinity of radio or radar apparatus. Do



DO NOT STORE ROCKETS IN THE VICINITY OF RADIO AND RADAR APPARATUS

not store motors near electric panels, live wires, or electric motors. All stored motors must be equipped with short-circuiting clips, bands, etc. If practicable, motor magazine temperature should be maintained below 90° F.; however, storage at temperatures up to 100° F. for less than six months is permissible.

Handling of Defective Parts. Dispose of motors that have been dropped more than two feet.

Dispose of damaged fuzed heads.

DO NOT TAMPER WITH OR ATTEMPT TO REPAIR ANY PART OF A DAMAGED ROUND.



DO NOT ATTEMPT TO REPAIR A DAMAGED ROUND

Motors that have been exposed to temperatures outside the safe temperature limits must be maintained within the safe limits for at least six hours before firing.



IF IT'S TOO HOT TO HANDLE
IT'S TOO HOT TO FIRE

Misfires, Hangfires, and Duds. If a misfire or hangfire occurs, clear the immediate area of all personnel. If there is a hangfire, do not approach the launcher until the round has had time to "cook off." If there is a misfire, approach only with permission of a superior.

Never return a faulty round to serviceable ammunition storage.

Never retrieve a dud round, because it is con-



NEVER RETRIEVE A "DUD" ROUND

sidered to be an active armed round which may detonate at any time without warning.

Duds should be destroyed by qualified Explosive Ordnance Disposal personnel only.

Do not attempt any ammunition surveillance without authority.

Lastly, know what you are doing. Learn the mechanics and nature of all rocket components beforehand. **IF YOU DON'T KNOW WHAT TO DO, LEAVE IT ALONE.**

DISTRIBUTION

SNDL Part 1 (No. 87) and Part 2 (No. 24)

Two copies each unless otherwise indicated:

21; 22; 23; 24A, 24B, 24C, 24F, 24H, 24J; 26A, 26B, 26E, 26F, 26G, 26N, 26U, 26GG, 27A, 27D; 28A, 28C, 28D, 28E, 28E1, 28E2, 28F, 28H, 28J; 29G (5 copies), 29H (5 copies), 29K (5 copies), 29K1 (5 copies), 29L (5 copies), 29M, 29N, 29P, 29Q, 29R; 31L; 32A, 32C, 32HH, 32JJ; 33A, 33A1, 33C, 33D, 33E, 33F; 38A; 41A, 41B (Atlantic & Pacific only); 42A, 42B, 42C, 42E, 42F, 42I, 42J, 42J1, 42K, 42L, 42M, 42N, 42P, 42S, 42T, 42V, 42AA; 46A, 46B, 46C, 46C1, 46D, 46D1, 46K, 46L, 46R, 46U, 46V, 46W, 46Z; A3 (CNO Op 411, Op 455); A5 (BUAER); B3; C1 (Aberdeen), C2 (Kirtland AFB; ENT AFB; Eglin AFB); C4 (Sandia); F1, F2, F3, F9; G1A (5 copies), G1B, G1C, G1D, G1F, G2, G3A, G3B, G3C, G3D, G3E, G4A, G4B, G5A, G5B, G5C, G5D, G6A, G6B, G7B, G8G, G8H, G13, G14, G16, G18; J71, J76, J95; K1, K2A (5 copies), K2C, K2D, K3, K5B, K5D, K5E, K8, K10, K12, K20; L3; P1; R20; Air Material Command, Wright Patterson AFB Attn: MCSRMA 33.

Requests for additional copies of OP 1415 (2nd Revision) should be submitted on NAVEXOS 158, Stock Forms and Publications Requisition, to the District Publications and Printing Office by which addressee is serviced.

3 June 1955/5M/1

RESTRICTED—Security Information

following special protective equipment must be readily available to personnel working where group C chemical munitions are stored:

1. *Fire Fighting Equipment.* Water-filled tubs, barrels, or tanks large enough to contain the largest WP-filled munition being handled should be located adjacent to the magazine or outdoor stock, when actually handling such items.
2. *Personal Protective Equipment.* Flame-proof gloves and coveralls and chemical safety goggles sufficient in number to equip all personnel handling group C munitions.
3. *First-Aid Equipment.* Copper sulfate pads sufficient for each worker, a 5-gallon pail (or similar vessel) and two sponges, and a 1-gallon bottle of 5 percent copper sulfate solution and gauze pads or sponges.

• • • • •
TAG 300.7 (10 Mar 53)

BY ORDER OF THE SECRETARY OF THE ARMY:

OFFICIAL:

WM. E. BERGIN
Major General, USA
The Adjutant General

J. LAWTON COLLINS
Chief of Staff, United States Army

DISTRIBUTION:

Active Army:

Tech Svc (1); Tech Svc Hd (2); AFF (3); AA Comd (2); OS Maj Comd (5); Base Comd (2); MDW (3); Log Comd (5); A (5); CHQ (2); Div (2); Brig (1); Regt (1) except 9 (2); Bn (1) except 9 (2); Co (1) except 9 (2); FT (2); Sch 5 except 9 (50); PMS & T 9 (1); Gen Dep (2); Dep 9 (10); POE (5); OSD (2); PRGR 9 (10); Ars 9 (10); Proc Dist 9 (10); Mil Dist (3).

NG: Same as Active Army except one copy to each unit.

Army Reserve: Same as Active Army except one copy to each unit.

For explanation of distribution formula, see SR 310-90-1.