

**DEPARTMENT OF THE ARMY TECHNICAL
MANUAL**

**ARTILLERY AMMUNITION:
AUTHORIZED PROJECTILE, FUZE AND PROPELLING
CHARGE COMBINATIONS
FOR
HOWITZER, MEDIUM, TOWED, 155MM: MI 14AI
WITH CANNON MIAI**

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**Headquarters, Department of the Army, Washington, DC
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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS. You can help improve this manual. If you find any mistakes or know of a way to improve the procedures, please let us know. Mail your DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to: Commander, US Army Armament Research, Development and Engineering Center, ATTN: SMCAR-LSB, Picatinny Arsenal, New Jersey 07806-5000. A reply will be furnished direct to you.

INTRODUCTION

SCOPE

This manual contains a listing of authorized projectile, fuze, and propelling charge combinations for the medium towed, 155mm, M114A1 howitzer with MIAI cannon. For ready reference and ease of handling, this information is published in chart form. When a conflict exists in the data in this manual and other published technical manuals, this manual will take precedence.

PRECAUTIONS

Precautions and restrictions to be observed in handling fuzes and firing ammunition with the charge/projectile-fuze combinations indicated in this manual are published in TM 9-2350-200-12.

*This manual supersedes TM 430001-28-9 dated 28 February 1992.

KEY	TO ABBREVIATIONS AND SYMBOLS
X.....	AUTHORIZED
•.....	AUTHORIZED
BE	Base ejection
ET.....	Electronic time
GB	Nonpersistent toxic (casualty) nerve gas
H.....	Mustard gas
HC	Hexachlorethane-zinc (smoke mixture)
HD	Distilled mustard gas
HE	High explosive
ICM.....	Improved Conventional Munitions
MT	Mechanical time
MTSQ.....	Mechanical time and superquick
P.....	Requires removal of supplementary charge if present.
PD	Point detonating
Prox.....	Proximity
VX.....	Persistent toxic (casualty) nerve gas
WP	White phosphorus

AUTHORIZED PROJECTILE, FUZE AND PROPELLING CHARGE COMBINATIONS
HOWITZER, MEDIUM, TOWED, 155MM: M114A1 W/CANNON M1A1¹

FUZE													TYPE AND MODEL NO. OF PROJECTILE	PROPELLING CHARGE											
ET		PD			MT	MTSQ				PROX				(GREEN BAG) M3 & M3A1 CHARGES					(WHITE BAG) M4A1 & M4A2 CHARGES					FIRING LIMITATIONS	
M762	M767	M557/ M572	M739 Series	M78 Series	M565	M501 Series	M564	M577 Series	M582 Series	M728 ⁴	M732 Series	M514 Series ⁵		1	2	3	4	5	3	4	5	6	7		
	X	X	X	X			X		X		X		HE, M107 NORMAL CAVITY	•	•	•	•	•	•	•	•	•	•		
	X	X	X	X			X		X	P	X	P	HE, M107 DEEP CAVITY	•	•	•	•	•	•	•	•	•	•		
X					X			X					HE, M449, M449A1 ICM	•	•	•	•	•	•	•	•	•	•		
X					X			X					ILLUMINATING M485A1, M485A2	•	•	•	•	•	•	•	•	•	•	M485A1/A2 Projectiles are not reliable when fired at Charge 6, 7, and 8 with fuze settings of 10 seconds or less. Also, when firing at zone 1, effective illumination times less than 90 seconds should be expected.	
	X	X	X				X		X				AGENT, H, HD, M110	•	•	•	•	•	•	•	•	•	•	M110 Agent Burster loaded with tetrytol cannot be stored or fired at temperatures exceeding +125°F (+52°C).	

See footnotes at end of table.