MILITARY STANDARD

FUZE EXPLOSIVE COMPONENT TERMINOLOGY DIMENSIONS AND MATERIALS

TO ALL HOLDERS OF MIL-STD-320A:

1. The following pages of MIL-STD-320A have been revised and supersede the pages listed:

NEW PAGE	DATE	SUPERSEDED PAGE	DATE
1	30 June 1975	1	REPRINTED WITHOUT CHANGE
2	16 November 1987	2	30 June 1975
15	30 June 1975	15	REPRINTED WITHOUT CHANGE
16	16 November 1987	16	30 June 1975

2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

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Preparing Activity:
Army - AR

(Project 1390-0591)

Review Activities:
Army - EA
Navy - AS
Air Force - 11, 18, 70

AMSC N/A

FSC 1390

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

1. Scope

1.1 Scope. This standard establishes terminology, external and internal dimensions, and preferred structural materials and color identification for explosive components for use in fuzes.

1.2 Application. This standard is applicable to explosive components used in rocket, guided missile, bomb and projectile fuzes, and other fuzes where pertinent. The explosive components considered are primers, detonators, delays, relays and leads.

2. Referenced Documents

2.1 The following documents of the issue in effect on the date of initiators for bids or request for proposal, form a part of this standard to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-A-250/1	Aluminum 1100, plate & sheet
QQ-A-250/2	Aluminum Alloy 3003, plate & sheet
QQ-A-250/8	Aluminum 5052, plate & sheet
QQ-A-225/5	Aluminum Alloy, Bars, Rods & Wire (Rolled or Drawn) 2017

MILITARY

MIL-S-5059	Steel, Corrosion-Resistant plate, sheet and strip
MIL-I-23011	Kovar - Iron Nickel Alloys for sealing to glass dand ceramics

STANDARDS

MILITARY

ANSI-114.5	Y14.5 Dimensioning and Tolerancing
ANSI-46.1	B46.1 Surface Roughness, Waviness, and Lay

2.2 Other Publications

Picatinny Arsenal Technical Report
No. 1783 Effects of Materials on the Properties of Explosives, dated November 1950, 2 volumes, Confidential

Naval Ordnance Laboratory Report
No. 1111 Ordnance Explosive Train Designers Handbook

Military Handbook 777, "Fuze Catalog Procurement Standard and Development Fuze Explosive Components" - Limited Distribution

TABLE VI. Color Identification of Finished Primers, Detonators, Delays and Relays (See 5.4)

Component	Sensitive End	Output End
Percussion Primers	Red	
Stab Primers	Red	Green
Stab Detonators	Red	Green
Percussion Delays	Red	Green
Stab Delays	Red	Green
Flash Detonators	Red	Yellow
Flash Relays	Red	Yellow
Flash Delays	Red	Yellow
Leads	Blue	Green
Inert	Black	--

Red	=	either No. 11136 or 11105	Spec. MIL-L-10287
Green	=	No. 14110	" MIL-L-10287
Blue	=	No. 15102	" MIL-L-10287
Yellow	=	No. 13655	" MIL-L-10287
Black	=	No. 17038	

6. Notes

The following reports may be helpful in determining dimensions and materials for explosive components:

(a) Military Handbook 777, "Fuze Catalog Procurement Standard and Development Fuze Explosive Components" - Limited Distribution

(b) Sandia Report SC-M-70-355 Aug 1970 "Compatibility of Explosives with Structural Materials of Interest" R.J. Buxton & T.M. Massis

Custodian:
Army - AR
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Review Activity:
Army - EA
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Preparing Activity:
Army - AR

Project Number: 1390-0169

Supersedes page 16 of MIL-STD-320A

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