

MIL-P-22314(OS)
Amendment 3
22 September 1971
Superseding
Amendment 2
25 August 1971

MILITARY SPECIFICATION

PROPELLANTS, U.S. NAVY GUNS; BALLISTIC APPENDIX

This amendment forms a part of Military Specification MIL-P-22314(WEP) dated 17 Feb 1960 and has been approved for use by the Naval Ordnance Systems Command, Department of Navy.

By this amendment, MIL-P-22314(WEP) is changed to MIL-P-22314(OS).

1. Page 1, paragraph 2.1. Add the following:

"WS-11606 - Propellant, Cannon, BS-NACO"

2. Page 1, Add paragraph 2.2 as follows:

"2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation of bids shall apply.

Code of Federal Regulations

49 CFR 171-178 Hazardous Materials Regulations, Department of Transportation

MANUALS

Department of Defense

4145.26M

DOD Contractor's Safety Manual for
Ammunition Explosives and Related
Dangerous Material

(Applications for copies of the above publications should be addressed to Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.)"

3. Page 10, delete paragraph 6.1 and substitute:

"6.1 The safety precaution requirements of the DOD Contractor's Safety Manual for Ammunition, Explosives and Related Dangerous Material, DoD 4145.26M, are applicable.

NOTE: When the specification is used as part of the description of work to be accomplished by a Government activity, the safety precaution requirements of

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4. Page 11, Table I. Under column Proj. MK No., applicable for the 5"/38 gun caliber delete

"35		"35, 52
35	and substitute	35, 52
35		35, 52
35"		35, 52."

5. Page 11, Add the following 5"/38 and 5"/54 gun caliber data:

PROPELLANT SYMBOLS

<u>"Gun</u> <u>Caliber</u>	<u>MK</u> <u>No.</u>	<u>Granulation</u> <u>Type</u>	<u>Composition</u> <u>Type</u>	<u>Proj.</u> <u>MK No.</u>	<u>Nominal</u> <u>Velocity</u> <u>ft./sec.</u>	<u>Charge</u> <u>Type</u>
5"/38	12-1	BE	SPCF	35, 52	2600	Full
5"/54	16, 18	BF	SPCF	41	2650	Full
		PB	SPDF	41	1500	Reduced

Pressure

<u>Max</u> <u>tsi</u>	<u>Min.</u> <u>tsi</u>	<u>Std. Dev.</u> <u>tsi</u>	<u>Velocity</u> <u>Std. Dev.</u> <u>ft./sec.</u>	<u>Charge Weight"</u> <u>Max.</u> <u>lbs.</u>	<u>Min.</u> <u>lbs.</u>
18.0	16.0	.50	16	17.5	16.0
20.5	18.5	.63	13	21.0	19.5

6. Page 16, Table III. Incorporate the following changes:

Delete all applicable data for the 5"/54 gun and substitute:

<u>"Gun</u>	<u>MK</u>	<u>Propellant</u>		<u>Type of</u> <u>Charge</u>	<u>Projectile (1)</u> <u>Used in Powder Proof</u>	
		<u>Granulation</u> <u>Symbol</u>	<u>Composition</u> <u>Symbol</u>		<u>MK</u>	<u>Weight (lbs.)</u>
5"/54	16, 18	BF	SPD, SPDN	Full	41	70
		BF	SPDF	Full	41	70
		PB	SPDF	Reduced	41	70

<u>Cartridge</u> <u>Components</u>		<u>Plug (MK)</u>	<u>MPD"</u> <u>Minus</u> <u>PPD</u> <u>(in.)</u>
<u>Case</u> <u>MK</u>	<u>Primer</u> <u>MK</u>		
7, 9	45	6, 9, 12	0.7
9	153	9	

Under column, Projectile (1) Used in Powder Proof, MK, applicable for the 5"/38 gun, delete

"35, 49		"35, 49, 52
35, 49	and substitute	35, 49, 52
35, 49		35, 49, 52
35, 49		35, 49, 52."

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Under column, Plug (MK), applicable for the 5"/38 gun, delete "2" and substitute "2, 11."

Preparing Activity:
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