

MIL-STD-21A

NOTICE 2

9 May 1979

MILITARY STANDARD

WELDED-JOINT DESIGNS, ARMORED-TANK TYPE

TO ALL HOLDERS OF MIL-STD-21A:

1. THE FOLLOWING PAGES OF MIL-STD-21A HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

NEW PAGE	DATE	SUPERSEDED PAGE	DATE
11	9 May 1979	11	26 November 1968
1	9 May 1979	1	26 November 1968

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

3. Holders of MIL-STD-21A will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until Military Standard is completely revised or canceled.

Custodians:

Army - AT

Navy - SH

Preparing activity:

Army - AT

Review activity:

Army - ER

Project No. DRPR-0220

FSC DRPR

MIL-STD-21A

9 May 1979

1. SCOPE

1.1 Purpose. This standard covers the design of joints for structures when one or more of the materials being joined is armor.

1.2 Application. The joints specified in this standard are intended for use in military vehicles or other structures that are to be subjected to ballistic attack. Each application shall be subject to the approval of the procuring activity. The provisions of this standard refer entirely to full penetration-weld joints. In many armored vehicle designs, partial penetration type weld joints (joints not welded through the complete thickness of a plate) are being used. Some of these contribute mechanical strength to a welded joint to defeat ballistic impacts. The choice of these designs is numerous. The different types of armor materials currently being used or contemplated; coupled with various plate thickness combinations, plate angles, and other considerations; make it impractical to include this immense variety in a general type armor joint design specification.

2. REFERENCED DOCUMENTS

2.1 Other publications. The following documents form a part of this standard to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids, or request for proposal, shall apply.

AMERICAN WELDING SOCIETY

ANSI/AWS A2.4-76

AWS A3.0-76

Symbols for Welding and Nondestructive
Testing

Welding Terms and Definitions

(Application for copies should be addressed to the American Welding Society,
2501 Northwest 7th Street, Miami, Florida 33125)

3. DEFINITIONS

Supersedes page 1 of 26 November 1968

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DEPARTMENT OF DEFENSE
WASHINGTON, D.C. 20301
WELDED-JCINT DESIGNS, ARMORED-TANK TYPE

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1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Beneficial comments (recommendations; additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: US Army Tank-Automotive Materiel Readiness Command, ATTN: DRSTA-GSS, Warren MI 48090, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document, or by letter.

Supersedes page ii of 26 November 1968