

TECHNICAL MANUAL

TRANSPORTABILITY GUIDANCE

SEMITRAILERS, 12-TON, 4-WHEEL

Semitrailer, Stake:	M127, M127A1, M127A1C, M127A2C
Semitrailer, Van Cargo:	M128A1C, M128A2C
Semitrailer, Van, Supply:	M129A1C, M129A2C
Semitrailer, Tank, Fuel, 5,000-Gallon:	M131A2, M131A4, M131A5
Semitrailer, Tank, Fuel- Servicing, 5,000-Gallon	M131A3C, M131A4C, M131A5C
Semitrailer, Low-Bed, Wrecker:	M269, M269A1, M270, M270A1

SEMITRAILER, 15- to 25- TON, 4-WHEEL

Semitrailer, Low-Bed, 15-Ton, M172
Semitrailer, Low-Bed, 25-Ton, M172A1

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, D. C., 30 July 1976

TRANSPORTABILITY GUIDANCE

SEMITRAILERS, 12-TON, 4-WHEEL

SEMITRAILER, STAKE: M127, M127A1, M127A1C, M127A2C

SEMITRAILER, VAN, CARGO: M128A1C, M128A2C

SEMITRAILER, VAN, SUPPLY: M129A1C, M129A2C

SEMITRAILER, TANK, FUEL, 5,000-GALLON: M131A2, M131A4, M131A5

SEMITRAILER, TANK, FUEL-SERVICING, 5,000-GALLON: M131A3C,
 M131A4C, M131A5C

SEMITRAILER, LOW-BED, WRECKER: M269, M269A1,
 M270, M270A1

SEMITRAILERS, 15- to 25-TON, 4-WHEEL

SEMITRAILER, LOW-BED, 15-TON, M172

SEMITRAILER, LOW-BED, 25-TON, M172A1

		Paragraph	Page
CHAPTER	1. INTRODUCTION		
	Purpose and scope	1-1	1-1
	Reporting of recommendations and comments	1-2	1-1
	Safety	1-3	1-1
	Definitions or warnings, cautions, and notes	1-4	1-1
	2. TRANSPORTABILITY DATA		
Section	I. GENERAL		
	Scope	2-1	2-1
	Descriptions	2-2	2-1
	II. CHARACTERISTICS AND RELATED DATA		
	General	2-3	2-6
	Side and rear elevation drawings	2-4	2-6
	Reduced configurations	2-5	2-16
	Unusual characteristics	2-6	2-16
	CONUS freight classification	2-7	2-17
	3. SAFETY		
	General	3-1	3-1
	Specific safety requirements	3-2	3-1

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		Paragraph	Page
C HAPTER	4. AIR TRANSPORTABILITY GUIDANCE		
Section	I. GENERAL		
	Scope	4-1	4-1
	Maximum utilization of aircraft	4-2	4-1
	Safety	4-3	4-1
	Responsibility	4-4	4-1
	II. TRANSPORT BY US AIR FORCE AIRCRAFT		
	Aircraft capabilities	4-5	4-2
	Typical loads	4-6	4-2
	Material requirements	4-7	4-2
	Piggyback loads for C-5 aircraft	4-8	4-2
	III. TRANSPORT BY US ARMY AIRCRAFT		
	Fixed-wing aircraft	4-9	4-7
	Rotary-wing aircraft	4-10	4-7
C HAPTER	5. HIGHWAY AND OFF-ROAD TRANSPORTABILITY GUIDANCE		
	Scope	5-1	5-1
	Safety	5-2	5-1
	Movement on own wheels	5-3	5-1
	Limitations	5-4	5-1
	Piggyback transport	5-5	5-1
	6. MARINE AND TERMINAL TRANSPORTABILITY GUIDANCE		
	Scope	6-1	6-1
	Safety	6-2	6-1
	General rules for stowing	6-3	6-1
	Special design vessels	6-4	6-5
	7. RAIL TRANSPORTABILITY GUIDANCE		
Section	I. GENERAL		
	Scope	7-1	7-1
	Maximum utilization of railcars	7-2	7-1
	II. TRANSPORT ON CONUS RAILWAYS		
	General	7-3	7-1
	Preparation of vehicles	7-4	7-1
	Loading semitrailers on general-purpose flatcars	7-5	7-1
	Loading semitrailers on special-purpose flatcars	7-6	7-4
	Double-decking of semitrailers	7-7	7-7
	III. TRANSPORT ON FOREIGN RAILWAYS		
	General	7-8	7-9
	Transport on US Army-owned foreign service flatcars	7-9	7-9
APPENDIX A.	REFERENCES		A-1
	B. CONVERSION TABLES		B-1

LIST OF ILLUSTRATIONS

Figure No.	Title	Page
2-1.	Semitrailer, stake, 12-ton, 4-wheel, M127A1	2-1
2-2.	Semitrailer, van, cargo, 12-ton, 4-wheel, M128A1C	2-2
2-3.	Semitrailer, van, supply, 12-ton, 4-wheel, M129A1C	2-3
2-4.	Semitrailer, tank, fuel, 5,000-gallon, 4-wheel M131A2	2-4
2-5.	Semitrailer, low-bed, wrecker, 12-ton, 4-wheel, M269A1	2-4
2-6.	Semitrailer, low-bed, wrecker, 12-ton, 4-wheel, M270A1	2-5
2-7.	Semitrailer, low-bed, 25-ton, 4-wheel, M172A1	2-6
2-8.	Side elevation semitrailer, stake, 12-ton, 4-wheel, M127A1C	2-7
2-9.	Rear elevation, semitrailer, stake, 12-ton, 4-wheel, M127A1C	2-8
2-10.	Side elevation, semitrailer, van, cargo, 12-ton, 4-wheel, M128A1C	2-9
2-11.	Rear elevation, semitrailer, van, cargo, 12-ton, 4-wheel, M128A1C	2-10
2-12.	Side elevation, semitrailer, tank, fuel, 5,000-gallon, 4-wheel, M131A4	2-11
2-13.	Rear elevation, semitrailer, tank, fuel, 5,000-gallon, 4-wheel, M131A4	2-12
2-14.	Side elevation, semitrailer, low-bed, wrecker, 12-ton, 4-wheel, M270	2-13
2-15.	Rear elevation, semitrailer, low-bed, wrecker, 12-ton, 4-wheel, M270	2-14
2-16.	Side elevation, semitrailer, low bed, 25-ton, 4-wheel, M172A1	2-15
2-17.	Rear elevation, semitrailer, low bed, 25-ton, 4-wheel, M172A1	2-16
4-1.	Tiedown diagram for M127A1C in C-130 aircraft	4-3
4-2.	Tiedown diagram for M269 in C-141 aircraft	4-4
4-3.	Tiedown diagram for M128A1C in C-5 aircraft	4-5
5-1.	Turning-characteristics diagram for semitrailer, tank, fuel, 5,000-gallon, M131A4, towed by truck, tractor, M52	5-2
5-2.	Turning-characteristics diagram for semitrailer, low-bed, wrecker, 12-ton, M270A1, towed by truck, tractor, wrecker, M246	5-3
6-1.	Lifting diagram for M128A1C using eight-wire sling and heavy-lift spreader bars	6-2
6-2.	Typical blocking and tiedown of 12-ton semitrailer, 4-wheel, in hold of general-cargo vessel	6-4
7-1.	Blocking and tiedown diagram of typical 12-ton semitrailer on CONUS general-purpose flatcar	7-2
7-2.	Blocking and tiedown details	7-3
7-3.	Example of a 75-foot TTX flatcar with retractable hitches	7-6
7-4.	Example of a semitrailer loaded on a flatcar with retractable hitches	7-6
7-5.	Typical load of semitrailers on a flatcar with retractable hitches	7-7
7-6.	Example of double-decked semitrailers	7-8

LIST OF TABLES

No.	Title	Page
2-1.	Characteristics and Related Data	2-18
2-2.	Semitrailer Weight Distribution in Pounds	2-19
4-1.	Tiedown Data for M127A1C in C-130 Aircraft	4-6
4-2.	Tiedown Data for M269 in C-141 Aircraft	4-6
4-3.	Tiedown Data for M128A1C in C-5 Aircraft	4-6
6-1.	Bill of Materials for Blocking and Tiedown of Typical 12-Ton Semitrailer in Hold of General Cargo Vessel	6-5
6-2.	Application of Materials for Blocking and Tiedown of Typical 12-Ton Semitrailer in Hold of General Cargo Vessel	6-5
7-1.	Bill of Materials for Blocking and Tiedown of Typical 12-Ton Semitrailer on CONUS General-Purpose Flatcars	7-4
7-2.	Application of Materials for Blocking and Tiedown of Typical 12-Ton Semitrailer on CONUS General-Purpose Flatcars	7-4
7-3.	Characteristics of US Army-Owned European Flatcars Available for Transporting Vehicles	7-9

CHAPTER 1

INTRODUCTION

1-1. Purpose and Scope

a. This manual provides transportability guidance for logistical handling and movement of the semitrailers, 12- to 25-ton, 4-wheel.

b. The intent of this manual is to provide transportation officers and other personnel responsible for movement or for providing transportation services with information considered appropriate for safe transport. Significant technical and physical characteristics, as well as safety considerations required for worldwide movement by the various modes of transportation, are included. Where considered appropriate, metric equivalents are given in parentheses following dimensions or other measurements. References are contained in appendix A, and conversion tables are shown in appendix B.

1-2. Reporting of Recommendations and Comments

The reporting of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Comments should be submitted on DA Form 2028 (Recommended

Changes to DA Publications and Blank Forms) and forwarded to Director, Military Traffic Management Command Transportation Engineering Agency, ATTN: MTT-TRP, PO Box 6276, Newport News, VA 23606. A reply will be furnished by the Agency.

1-3. Safety

Appropriate precautionary measures required during movement of the items are contained in chapter 3.

1-4. Definitions of Warnings, Cautions, and Notes

Throughout this manual, warnings, cautions, and notes emphasize important or critical guidance. They are used for the following conditions:

a. Warning. An operating procedure or practice that, if not correctly followed, could result in personal injury or loss of life.

b. Caution. An operating procedure or practice that, if not strictly observed, could result in damage to or destruction of equipment.

c. Note. An operating procedure or condition that must be emphasized.

CHAPTER 2

TRANSPORTABILITY DATA

Section I. GENERAL

2-1. Scope

This chapter provides a general description of the semitrailers, 12- to 25-ton, 4-wheel with identification photographs, tabulated transportability characteristics, and data necessary for movement of these semitrailers.

2-2. Descriptions

The semitrailers, 12- to 25-ton, 4-wheel, covered in this manual are of various lengths and body styles; each has a tubular tandem axle, dual tires, an upper fifth-wheel plate, kingpin, and foot-type landing legs. The semitrailers are designed for towing over all types of roads, highways, and limited cross-country terrain, in all types of weather. Appropriate prime movers are 5-ton, 6x6, truck, tractor, M52,

M818, or similar vehicles equipped with a fifth wheel. For detailed description and data refer to the applicable 9-series technical manuals. A brief description, with an identification photograph, of each of the various semitrailers and body types follows:

a. Semitrailers, Stake, M127 (fig 2-1) The 12-ton, M127-series semitrailer is primarily a flatbed trailer with stake pockets to facilitate the securing of removable, interlocking panel sides and ends. The panels can be installed and removed by hand without special tools. The semitrailer is used in the movement of all types of equipment. The differences between models are of minor internal and external characteristics.

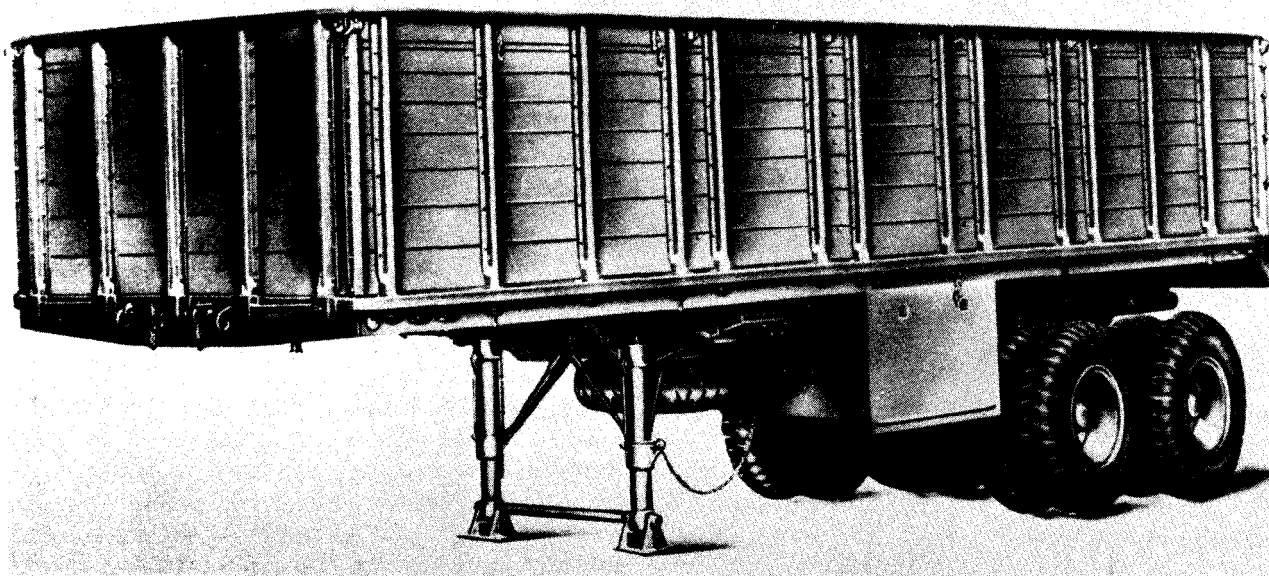


Figure 2-1. Semitrailer, stake, 12-ton, 4-wheel, M127A1.

b. Semitrailer, Van, Cargo, M128A1C and M128A2C (fig 2-2). The 12-ton, M128-series semitrailer, van, cargo, is designed for use as a cargo carrier and does not have windows or ventilation

openings. The van body, constructed as a separate unit of steel tubing covered by steel sheeting, is mounted on the same basic semitrailer chassis.