

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CREW/OPERATOR BOAT SET LIST:
 BASIC ISSUE ITEMS
 AND ACCESSORY ITEMS LIST
 BARGE, DECK CARGO: NON-PROPELLED, 120 FT.,
 585 LONG TONS, DESIGN 231A
 BARGE, DECK CARGO: NON-PROPELLED, 110 FT.,
 570 LONG TONS, DESIGN 7005

Headquarters. Department of the Army, Washington, DC
 30 June 1986

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1. General. a. This bulletin aids in identification, procurement, requisitioning, assembly, storage and issue of operating equipment and supplies on board for cargo barges, design 231A/7005.

b. Paragraph 5 lists operating supplies.

c. Paragraph 6 lists accessory items.

d. This set will be issued initially complete by TROSCOM.

e. Requisitions for replacement of component items will be submitted to the managing activity having issue responsibility.

2. Explanation of Columns. The following provides an explanation of columns found in the tabular listings:

a. *Stock Number (NSN).* A number listed in this bulletin for use in all supply operations.

b. *Description.* The item descriptions listed are in alphabetical sequence.

(1) Manufacturer's Code, part numbers and/or the applicable specification references will follow the description when applicable.

(2) Pertinent information included as notes.

c. *Unit of Measure (U/M).* Indicates the standard or basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc.). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

d. *Quantity Furnished With Equipment.* Indicates the quantity of the item furnished with the equipment.

3. Abbreviations.

EA--each
 FT--foot, feet

4. Recommendation for Maintenance Publications Improvements. You can help to improve this manual by calling attention to errors and by recommending improvements. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed direct to: Commander, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished direct to you.

5. Operating Supplies. Operating supplies (Boat Set) for barge design 231A/7005 are listed in Table I.

*This TB supersedes TB 55-1930-201-12, 10 May 1974

Table I. Operating Supplies for Barge Design 231A

NSN	Description	Qty furn with U/M equip
4020-00-752-8878	Rope, Nylon, 3" Circ (mooring and anchor) 81349 R-17343 *See NOTE	FT 400
4030-00-185-0487	Shackle-Anchor. 1-1/8" 81348 RR-C-271 Type II, Class 1	EA 2

*NOTE The quantity and unit of issue shown for this term denotes the maximum required for this set and does not conform to the standard package or the authorized unit of issue.

6. Accessory Items. Accessory items (Boat Set) for barge design 231A/7005 are listed in Table II.

Table II. Accessory Items (.Non-Bili) for barge design 7005

NSN	Description	U/M	Qty furn with equip
2040-00-377-8603	Anchor-Danforth, 300 lb. 81349 A-15707	EA	1
4010-00-185-6991	Wire Rope, 7/8" dia (anchor) 81348 RR-W-410 Type I, Class 1 *NOTE	FT	300

*NOTE: The quantity of measure shown for this item denotes the maximum required for this set and does not conform to the standard package or the authorized unit of measure.

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:


R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A , Operator Maintenance Requirements for Barge Deck, Non-propelled, Steel, 578-T or 4160 BBL, 120 Ft, Model 231B.

PIN: 0 1 3 2 3 0 1/N 0 0 0

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

 <p style="font-size: small; margin: 0;"><i>THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</i></p>		SOMETHING WRONG WITH PUBLICATION	
		FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)	
		DATE SENT	
PUBLICATION NUMBER		PUBLICATION DATE	PUBLICATION TITLE
IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.			
BE EXACT PIN-POINT WHERE IT IS			
PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER		SIGN HERE	

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigram = .035 ounce
 1 decagram = 10 grams = .35 ounce
 acres
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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