

HAND RECEIPT

**COVERING CONTENTS OF COMPONENTS OF
END ITEM (COEI), BASIC ISSUE ITEMS (BII),
AND ADDITIONAL AUTHORIZATION LIST (AAL)**

FOR

**TOPOGRAPHIC SUPPORT SYSTEM
PAPER CONDITIONING SECTION
MODEL ADC-TSS-15
NSN:3610-01-105-6442**

This Manual Supersedes TM 5-3610:252-14-HR, 3 September 1985

"Approved for public release; distribution is unlimited."

HEADQUARTERS, DEPARTMENT OF THE ARMY

17 AUGUST 1987

Hand Receipt
TM 5-3610-252-14-HR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 17 August 1987

HAND RECEIPT
COVERING CONTENTS OF COMPONENTS OF END ITEM (COEI),
BASIC ISSUE ITEMS (BII); AND ADDITIONAL AUTHORIZATION LIST (AAL)

FOR

PAPER CONDITIONING SECTION

TOPOGRAPHIC SUPPORT SYSTEM

NSN 3610-01-105-6442

"Approved for public release; distribution is unlimited."

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual, directly to: Commander, U.S. Army Troop Support Command, Attn: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

TABLE OF CONTENTS

| | Page |
|-----------------------------------|------|
| Section I. Introduction. | 1 |
| Section II. Hand Receipt. | 3 |

HAND RECEIPT FOR CONTENTS OF
COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND
ADDITIONAL AUTHORIZATION LIST ITEMS FOR
PAPER CONDITIONING SECTION
TOPOGRAPHIC SUPPORT SYSTEM
NSN 3610-01-105-6442

Section I. INTRODUCTION

1. SCOPE . This publication provides overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to the Paper Conditioning Section, Topographic Support System.

2. GENERAL.

a. Section II is the overprinted DA Form 2062 which lists the content of COEI, BII, and AAL extracted from TM 5-3610-252-14. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-3610-252-14.

b. The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.

c. Local reproduction of the overprinted DA Form is authorized. However, organizations shall comply with local policies on the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.

d. Additional copies of this publication may be requisitioned from: U.S. Army Adjutant General Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2896. See DA Pamphlet 310-10-2 for proper requisitioning procedures.

3. EXPLANATION OF BLOCKS AND COLUMNS (DA FORM 2062). Refer to DA Pamphlet 710-2, Chapter 6. Additional information required to complete DA Form 2062 is listed below:

a. Hand receipts shall identify the accounting requirement status of all line item entries via column c. One of the following Accounting Requirements Codes (ARC) will apply:

(N) For Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.

- (D) For Durable: Nonconsumable components of sets, kits, outfits, and assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220, and 5280; and any other nonconsumable with a price in excess of \$50.00 not already "N".
- (X) For Expendable: Items regardless of type classification or price and which are consumed in use. Includes all class 9 repair parts. Items not consumed in use which cost \$50.00 or less and not already "N" or "D".

b. Authorization documents are as follows:

(1) Components of End Item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).

(2) Basic Issue Items (BII) are authorized by the applicable operator's manual.

(3) Additional Authorization List (AAL) items are authorized by the appropriate MTOE, TDA, CTA, or JTA authorization documents.

Section II. Hand Receipt

| HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i> | | FROM: | TO: | HAND RECEIPT NUMBER | | | | | | | |
|--|--|----------------------------|--------------------|---------------------|-----------------------|-----------------------|---|---|---|---|---|
| FOR ANNEX/CR ONLY | END ITEM STOCK NUMBER | END ITEM DESCRIPTION | PUBLICATION NUMBER | | PUBLICATION DATE | QUANTITY | | | | | |
| | 3610-01-105-6442 | Paper Conditioning Section | TM 5-3610-252-14 | | 17 May 1985 | | | | | | |
| STOCK NUMBER <i>a.</i> | ITEM DESCRIPTION <i>b.</i> | * <i>c.</i> | SEC <i>d.</i> | UI <i>e.</i> | QTY AUTH <i>f.</i> | QUANTITY <i>g.</i> | | | | | |
| | | | | | | A | B | C | D | E | F |
| 3610-01-105-6642 | TOPOGRAPHIC SUPPORT SYSTEM PAPER CONDITIONING | N | | EA | 1 | | | | | | |
| | SECTION MODEL ADC-TSS-15 | | | | | | | | | | |
| | COMPONENTS OF END ITEM (COEI) | | | | | | | | | | |
| 2510-01-033-7969 | BODY, VAN TRAILER (97403) TL/MIL-B-13207 | X | | EA | 1 | | | | | | |
| | BOX, VEHICULAR ACCESSORIES FOR CLEANER, VACUUM | N | | EA | 1 | | | | | | |
| | (97403) 13225E3484 | | | | | | | | | | |
| 7195-00-105-7941 | BULLETIN BOARD (79819) T5-2303 | X | | EA | 1 | | | | | | |
| | CABINET, STORAGE, TECH MANUAL (51745) 13225E4648 | N | | EA | 1 | | | | | | |
| 6150-00-134-0847 | CABLE ASSEMBLY, POWER ELECTRICAL (90129) | X | | EA | 2 | | | | | | |
| | RC 1736-5, EXCEPT 50.5 FT LG | | | | | | | | | | |
| 5110-00-121-5836 | CUTTER, STEEL STRAPPING (39428) 3675A11 | D | | EA | 1 | | | | | | |
| | HYGROSCOPE, PAPER MOISTURE CONTENT (02356) | N | | SE | 1 | | | | | | |
| | L15-30320 | | | | | | | | | | |
| 5440-01-152-7751 | LADDER, EXTENSION - FOLDING (39428) 8028T16 | N | | EA | 1 | | | | | | |
| 2540-01-133-9726 | LADDER, VEHICLE BOARDING (51745) 13225E3074 | X | | EA | 2 | | | | | | |

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

| STOCK NUMBER <i>a.</i> | ITEM DESCRIPTION <i>b.</i> | * <i>c.</i> | SEC <i>d.</i> | UI <i>e.</i> | QTY AUTH <i>f.</i> | g. QUANTITY | | | | | |
|---------------------------|--|----------------|------------------|-----------------|--------------------------|-------------|---|---|---|---|---|
| | | | | | | A | B | C | D | E | F |
| | COEI CONTINUED | | | | | | | | | | |
| | LIFTING AND TIEDOWN DEVICE, TRANSPORTABLE | N | | EA | 2 | | | | | | |
| | SHELTER, LEFT HAND (52555) 1390-4 | | | | | | | | | | |
| | LIFTING AND TIEDOWN DEVICE, TRANSPORTABLE | N | | EA | 2 | | | | | | |
| | SHELTER, RIGHT HAND (52555) 1390-3 | | | | | | | | | | |
| | LIGHT, EMERGENCY (97403) 13225E3396 | X | | EA | 1 | | | | | | |
| 6685-00-641-3580 | PSYCHROMETER (81349) MILP11768 CLASS 2 | X | | EA | 1 | | | | | | |
| 5975-00-878-3791 | ROD, GROUND (82370) A104 | X | | EA | 1 | | | | | | |
| 2330-01-076-4797 | SEMITRAILER, FLATBED (97403) TL/MIL-B-13207, PAR. 3.11, FIG 12, TABLES III AND IV | N | | EA | 1 | | | | | | |
| 5120-01-013-1676 | SLIDE HAMMER, GROUND ROD EMPLACEMENT (45225) P74-144 | D | | EA | 1 | | | | | | |
| | TRUCK, HYDRAULIC PALLET (04135) MSK 20-42-5 | N | | EA | 1 | | | | | | |
| | WRENCH, ASSEMBLY, EYEBOLT PALLET (51745) 13225E4605 | N | | EA | 1 | | | | | | |
| 4120-00-974-7206 | AIR CONDITIONER (81349) MIL-A-52767 | N | | EA | 2 | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

TM 5-3610-252-14-HR

| STOCK NUMBER <i>a.</i> | ITEM DESCRIPTION <i>b.</i> | * | SEC | UI | QTY AUTH | <i>g.</i> | QUANTITY | | | | | |
|---------------------------|-------------------------------|-----------|-----------|----|-------------|-----------|----------|---|---|---|---|---|
| | | | | | | | A | B | C | D | E | F |
| <i>c.</i> | <i>d.</i> | <i>e.</i> | <i>f.</i> | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

9

| STOCK NUMBER a. | ITEM DESCRIPTION b. | * | SEC | UI | QTY AUTH | g. QUANTITY | | | | | | | | | |
|--------------------|---|---|-----|----|-------------|-------------|----|----|----|---|---|---|---|---|---|
| | | | | | | c. | d. | e. | f. | A | B | C | D | E | F |
| | BASIC ISSUE ITEMS (BII) | | | | | | | | | | | | | | |
| 7920-00-291-5815 | BRUSH, WIRE, SCRATCH (39428) 7187T2 | X | | EA | 1 | | | | | | | | | | |
| 4210-00-555-8837 | EXTINGUISHER, FIRE, MONOBROMOTRIELOUROMETHANE (33325) T2 | N | | EA | 2 | | | | | | | | | | |
| 6545-00-922-1200 | FIRST AID KIT, GENERAL PURPOSE (89875) SC C06545-IL VOL 2 | D | | EA | 1 | | | | | | | | | | |
| 5430-00-682-1505 | PADLOCK SET (77765) MS21313-52 | X | | SE | 1 | | | | | | | | | | |
| 5120-00-234-8910 | SCREWDRIVER, FLAT TIP (78525) 1006 | X | | EA | 1 | | | | | | | | | | |
| 5140-00-315-2747 | (D) TOOL BOX, PORTABLE (75206) CS16 | | | EA | 1 | | | | | | | | | | |
| 5120-00-264-3795 | (X) WRENCH, ADJUSTABLE (80244) GGG-W-631 TY 1 CL 1 | | | EA | 1 | | | | | | | | | | |
| TM 5-3610-252-14 | OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT, PAPER CONDITIONING SECTION | | | EA | 1 | | | | | | | | | | |
| TM 5-3610-252-24P | REPAIR PARTS & SPECIAL TOOLS LIST, PAPER CONDITIONING SECTION | | | EA | 1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

7/(8 Blank)

TM 5-3610-252-14-HR

| | | | |
|---|-------|-----|---------------------|
| HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i> | FROM: | TO: | HAND RECEIPT NUMBER |
|---|-------|-----|---------------------|

| | | | | | |
|-------------------|---|--|--|------------------|----------|
| FOR ANNEX/CR ONLY | END ITEM STOCK NUMBER 3610-01-105-6442 | END ITEM DESCRIPTION Paper Conditioning Section | PUBLICATION NUMBER TM 5-3610-252-14 | PUBLICATION DATE | QUANTITY |
|-------------------|---|--|--|------------------|----------|

| STOCK NUMBER <i>a.</i> | ITEM DESCRIPTION <i>b.</i> | * | SEC | UI | QTY AUTH <i>f.</i> | QUANTITY <i>g.</i> | | | | | | |
|---------------------------|--|---|-----|----|-----------------------|-----------------------|---|---|---|---|---|--|
| | | | | | | A | B | C | D | E | F | |
| 3610-01-105-6442 | (N) TOPOGRAPHIC SUPPORT SYSTEM PAPER CONDITIONING SECTION MODEL ADC-TSS-15 | | | | EA 1 | | | | | | | |
| | ADDITIONAL AUTHORIZATION LIST (AAL) | | | | | | | | | | | |
| 6115-00-258-1622 | (N) GENERATOR SET, DSL ENG TM, 60KW | | | | EA 1 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 6 OF 6 PAGES.

By Order of the Secretary of the Army:

Official:

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

CARL E. VUONO
General, United States Army
Chief of Staff

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Unit Maintenance Requirements for Topographic Support System, Paper Conditioning Section, ADC-TSS-15 (T 5-3610-252 Series)

Ⓜ U.S. Government Printing Office: 1987-75 4-030/60464

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MO 63108

DATE SENT

PUBLICATION NUMBER

TM 5-3610-252-14-HR

PUBLICATION DATE

17 Aug 1987

PUBLICATION TITLE

Hand Receipt for TSS, Paper Conditioning Sec.

BE EXACT... PIN-POINT WHERE IT IS

| PAGE NO. | PARA-GRAPH | FIGURE NO. | TABLE NO. |
|----------|------------|------------|-----------|
| 6 | 2-1 a | | |
| B1 | | 4-3 | |
| 125 | line 20 | | |

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2 910-05-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN.

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE

JOHN DOE

DA FORM 2028-2
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.
DRSTS-M Overprint 1, 1 Nov 80

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

TEAR ALONG PERFORATED LINE

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



TEAR ALONG PERFORATED LINE

COMMANDER
U S ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MCTS
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 5-3610-252-14-HR

PUBLICATION DATE

17 Aug 1987

PUBLICATION TITLE Hand Receipt for TSS
Paper Conditioning Section

BE EXACT... PIN-POINT WHERE IT IS

| PAGE NO. | PARA-GRAPH | FIGURE NO. | TABLE NO. |
|----------|------------|------------|-----------|
|----------|------------|------------|-----------|

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.
DRSTS-M Overprint 2, 1 Nov 80.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



TEAR ALONG PERFORATED LINE

COMMANDER
U S ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MCTS
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 5-3610-252-14-HR

PUBLICATION DATE

17 Aug 1987

PUBLICATION TITLE Hand Receipt for TSS Paper Conditioning Section

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



COMMANDER
U S ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MCTS
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 5-3610-252-14-HR

PUBLICATION DATE

17 Aug 1987

PUBLICATION TITLE Hand Receipt for TSS Paper Conditioning Section

BE EXACT... PIN-POINT WHERE IT IS

| PAGE NO. | PARA-GRAPH | FIGURE NO. | TABLE NO. |
|----------|------------|------------|-----------|
| | | | |

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.
DRSTS-M Overprint 2, 1 Nov 80.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



TEAR ALONG PERFORATED LINE

COMMANDER
U S ARMY TROOP SUPPORT COMMAND
ATTN: AMSTR-MCTS
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120-1798

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 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 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 acres
 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

| To change | To | Multiply by | To change | To | Multiply by |
|---------------|--------------------|-------------|--------------------|---------------|-------------|
| 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 |
|----|------------------------|----------------------------|---------------------|----|

