CONVERSION TABLE

To convert From	To	Multiply by
lb.in.	oz.in.	16
lb.in.	lb.ft.	.08333
lb.in.	kg.cm.	1.1519
lb.in.	kg.m.	.011519
lb.in.	N.m.	.113
lb.in.	dN.m.	1.13
lb.ft.	kg.m.	.1382
lb.ft.	N.m.	1.356
N.m.	dN.m.	10
N.m.	kg.cm.	10.2
N.m.	kg.m.	.102
oz.in.	lb.in.	.0625
lb.ft.	lb.in.	12
kg.cm.	lb.in.	.8681
kg.m.	lb.in.	86.81
N.m.	lb.in.	8.85
dN.m.	lb.in.	.885
kg.m.	lb.ft.	7.236
N.m.	lb.ft.	.7376
dN.m.	N.m.	.10
kg.cm.	N.m.	.09807
kg.m.	N.m.	9.807

FOR YOUR PERMANENT FILE

WRENCH MODEL NUMBER _____

SERIAL NUMBER _____

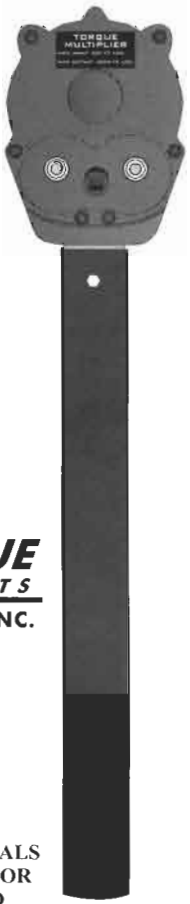
CDI TORQUE PRODUCTS

CONSOLIDATED DEVICES, INC.

19220 San Jose Avenue
City of Industry, California 91748-1497
PHONE (626) 965-0668 or (800) 525-6319
FAX (626) 965-2410 or (626) 810-2759
WEB SITE: www.cditorque.com

FORM 20-315-CDI
4/99 REV. N/C

OPERATION MANUAL



JOIN THE PROFESSIONALS WITH YOUR NEW

TORQUE MULTIPLIER

CDI TORQUE PRODUCTS

CONSOLIDATED DEVICES, INC.

THE CHOICE OF PROFESSIONALS THROUGHOUT THE WORLD FOR ACCURACY, DURABILITY AND CALIBRATION RELIABILITY.

SAFETY MESSAGES

WARNING

Read operation manual completely before using torque instrument and store for future reference.

Wear safety goggles-both user and bystanders

- Do not exceed rated torque as overtorquing can cause wrench or part failure
- Do not use torque instrument to break fasteners loose

- Do not use cheater extension on the handle to apply torque
- Broken or slipping tools can cause injury

CAUTION

DO NOT DISASSEMBLE.
DO NOT USE POWER TOOLS.

ALWAYS SET REACTION BAR ON A FIRM LOCATION TO AVOID TOOL FROM SLIPPING OR BREAKING.

MAINTENANCE / SERVICE

1. The torque multiplier's internal mechanism is permanently lubricated during assembly. **Do not attempt to lubricate the internal mechanism.**
2. Clean torque multiplier by wiping. **Do not immerse in fluids.**

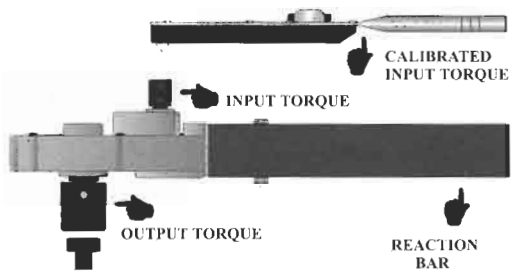
TOOL SPECIFICATIONS

2000 FT. LB. MODEL

INPUT DRIVE	**1/2" Sq. Female**
MAX. INPUT TORQUE	**200 Ft. Lb.**
OUTPUT DRIVE	**1" Sq. Male**
MAX. OUTPUT TORQUE	**2000 Ft. Lb.**
EFFECTIVE GEAR RATIO	**10:1**
REACTION BAR LENGTH	**24" by 2-1/4" Dia.**

750 FT. LB. MODEL

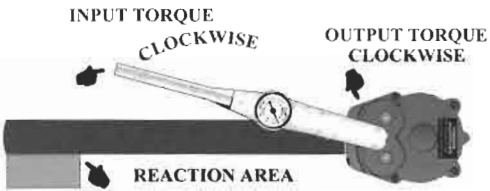
INPUT DRIVE	**3/8" Sq. Female**
MAX. INPUT TORQUE	**75 Ft. Lb.**
OUTPUT DRIVE	**3/4" Sq. Male**
MAX. OUTPUT TORQUE	**750 Ft. Lb.**
EFFECTIVE GEAR RATIO	**10:1**
REACTION BAR LENGTH	**12" By 2-7/8" Dia.**



MULTIPLIER SET-UP

A. NOTE: Nut / bolt must be tightened until there is some friction between fastened area before using the torque multiplier for final torquing.

1. Connect proper socket to output drive of torque multiplier.
2. Make sure the socket is securely connected to the torque multiplier and to the nut / bolt that will be tightened.
3. Place reaction bar of the torque multiplier on a firm structure (floor, etc.) to avoid slipping or breakage of the torque multiplier.
4. Insert a calibrated torque wrench to the input torque drive of the torque multiplier. Apply a steady pull on the torque wrench until desired torque output is reached from the torque multiplier.



Sample Application:

For 1400 Ft. Lbs. desired output: use a 250 Ft. Lb dial wrench in the input torque drive.
Ratio 10:1
To achieve 1400 Ft. Lbs. pull 140 Ft. Lbs. on dial wrench. 10 x 140 Ft. Lbs = 1400 Ft. Lbs.