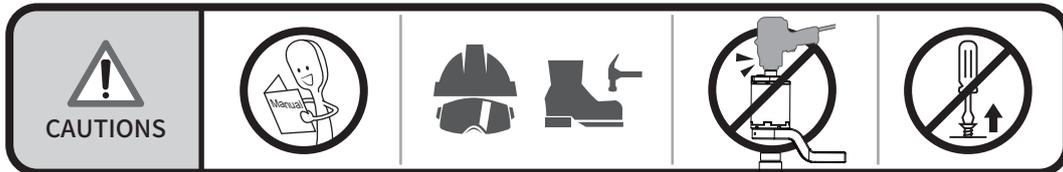


Torque Multiplier OPERATION MANUAL



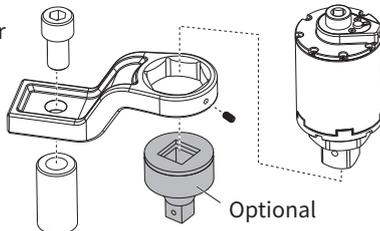
BEFORE STARTING

1. Study this instruction before use.
2. This tool is with torque ratio and there is an amount of reaction to be made to the fasteners.
Please keep hands or face away from reaction plate / support stand. The reaction force might result injury.
3. **THIS TOOL IS DESIGNED FOR MANUAL TIGHTENING FASTENERS ONLY.**
DO NOT USE ANY IMPACT TOOL TO OPERATE.
4. Do not over torquing the fastener, or it will cause tool's damage and serious injury.
5. Do not use this tool near rotating machinery.
6. Any adjustments will result in the loss of accuracy and invalidating the warranty.
7. Do not use any kind of extension on the handle of the tool. This will not only damage the tool, also affect the accuracy.
8. Please wear gloves and goggles when working.



CONTENTS

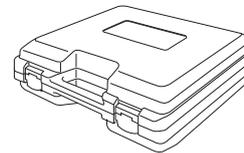
Torque multiplier



Optional

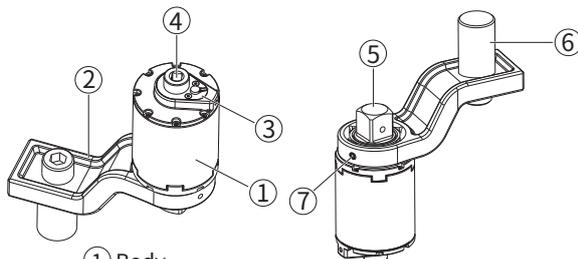


Manual



Supplied in a plastic box

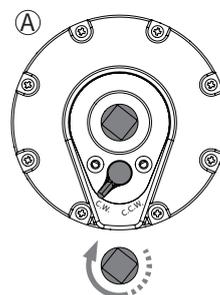
PART NAME



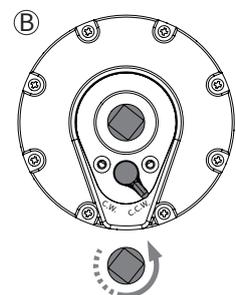
- ① Body
- ② Reaction plate
- ③ Switch lever
- ④ Input drive
- ⑤ Output drive
- ⑥ Support stand
- ⑦ Screw

OPERATING THE RATCHET FUNCTION

Set ratchet direction to the correct direction of operation.



Clockwise operation



counter-clockwise operation

HOW TO USE

1. Select a qualified torque wrench
2. Get a torque multiplier
3. Choose a qualified socket
4. Prepare reaction plate / support stand

1. Choose the qualified socket for bolt and fasten the bolt with the multiplier.
2. Fix the reaction plate / support stand with the multiplier on the reaction point.

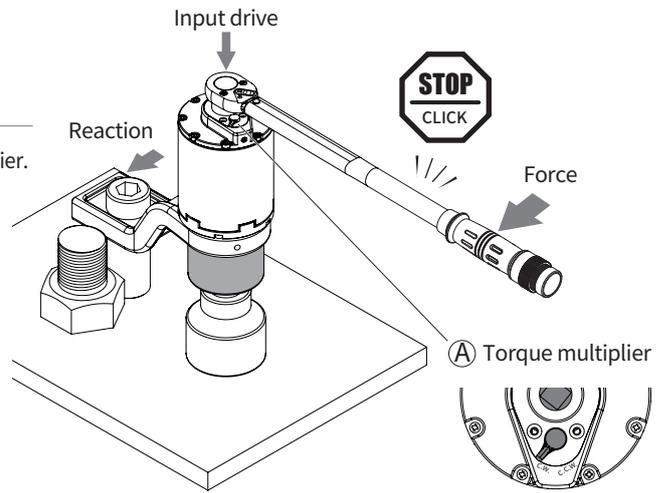
3. Put the torque wrench on the multiplier.

Remark : The input torque value is calculated by the physical formula.

Required Torque / Torque Ratio = Input Torque.

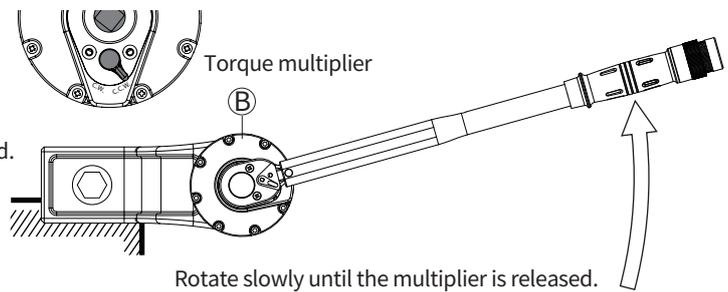
For example : 1,600 Nm / 10 = 160 Nm, 160 Nm is the input torque.

4. Apply the torque wrench gently and evenly until hear the clicking sound and feel shock.



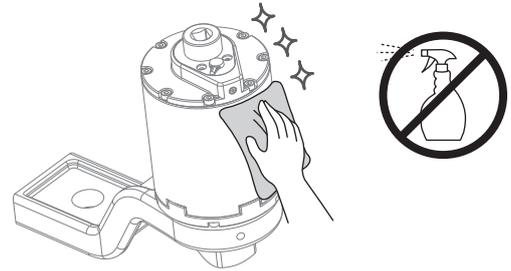
FINISHING WORKING

1. Load the torque wrench.
2. Move the ratchet direction to counter-clockwise and rotate slowly until the reaction force is all released.
3. If remove failed, please re-set the ratchet direction to clockwise and engage the torque wrench again. Then go back to step 2 until the reaction force is all released.

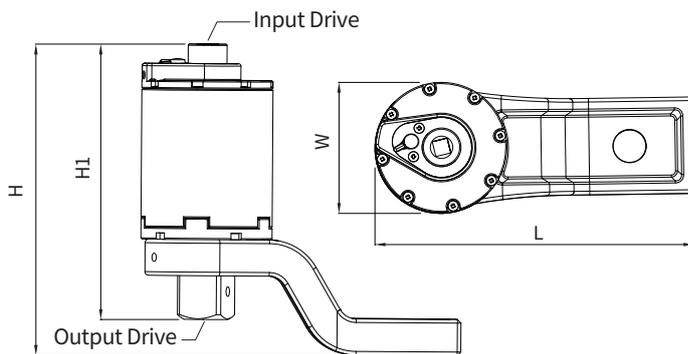


MAINTENANCE AND STORAGE

Clean this tool by wiping with a clean cloth after operation and storage in a dry environment. Do not dip any type of liquid in this tool. This may damage the internal of this tool.



SPECIFICATION



Accuracy : C.W.±6%

ITEM NO.	Torque Ratio	Range (max)				Input Drive	Output Drive	W	H	H1	L	KG
		Input	Output	Input	Output							
MT2-4000N	1:10	400 Nm	300 ft.lb	4000 Nm	3000 ft.lb	1/2"	1-1/2"	108	262.0	228.0	265.0	13.00
MT2-4500N	1:30	150 Nm	110 ft.lb	4500 Nm	3300 ft.lb	1/2"	1-1/2"	108	171.7	245.4	262.8	15.27

Unit : mm

Version 03

Jun. 2023



MATATAKITOYO
TORQUE TOOLS
 E-mail: matatakitoyo@gmail.com
 www.matatakitoyo.com

Manufacturer
MATATAKITOYO TOOL CO., LTD.
 No. 63, Ln. 493, Sec. 3, Zhongshan Rd., Tanzi Dist.,
 Taichung City 42754, Taiwan
 TEL : 886-4-2533 5893

Made in Taiwan