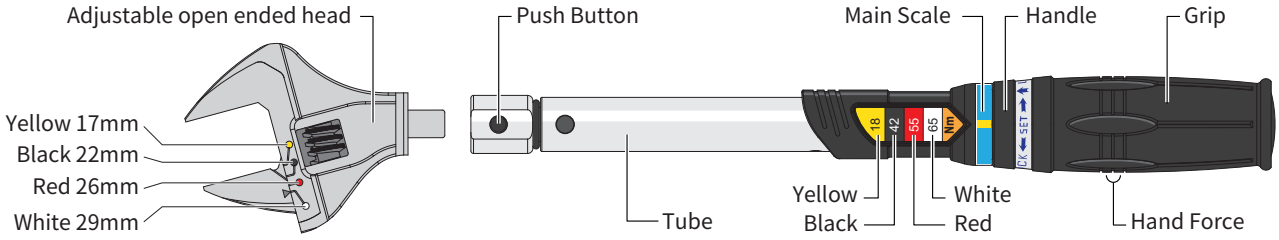
MATATAKITOYO TORQUE TOOLS

Interchangeable Head Adjustable Torque Handle Multi Pre-Set Type
OPERATION MANUAL

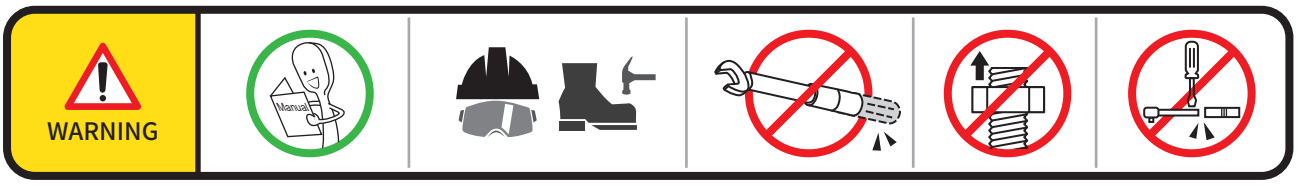
Models covered
OLT 2 SET

TORQUE 9X12 14X18



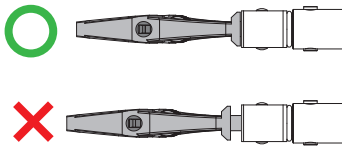
BEFORE STARTING

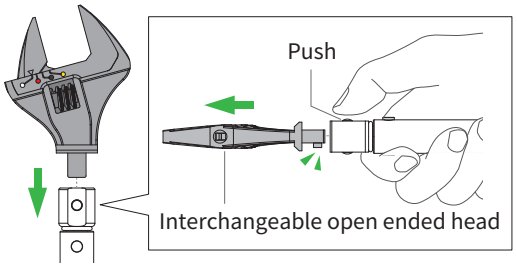
1. Study this instruction before use.
2. This torque wrench is calibrated and tested before leaving the factory, it is certified to meet the current standard specification and has an accuracy of ±4%.
3. **THIS TOOL IS A PRECISION MEASUREMENT AND DESIGNED FOR MANUAL TIGHTENING FASTERNERS ONLY. DO NOT USE IT AS A NUT BREAKER OR FOR ANY OTHER PURPOSE.**
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. Disassemble this tool or make any adjustments will result in the loss of accuracy and invalidating the warranty.
7. Do not continuously apply force after hearing the clicking sound or feel shock.
8. Do not use any kind of extension on the handle of the tool. This will not only damage the tool, also affect the accuracy.
9. Use special care at minimum torque setting.
10. Please wear gloves and goggles when working.

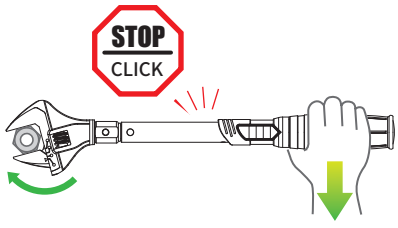


HOW TO USE

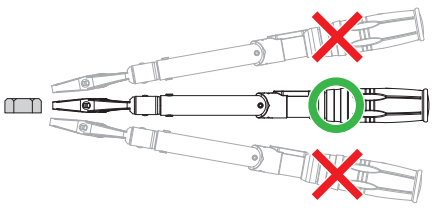
Insert interchangeable open ended head securely to the Torque Wrench.





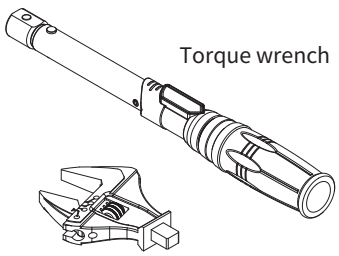


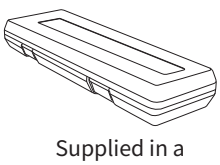
Do not continuously apply force after hearing the clicking sound or feel shock.



The wrench and nut should be placed parallel to each other.

CONTENTS





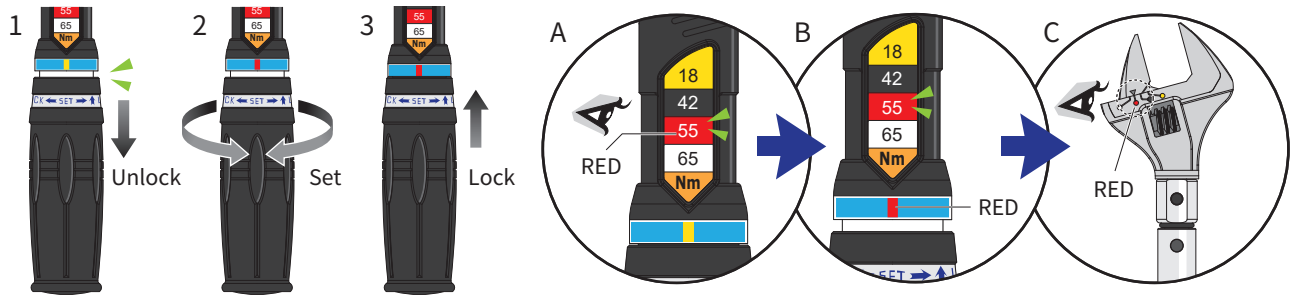
Supplied in a plastic box.

Manual

HOW TO SET TORQUE VALUE

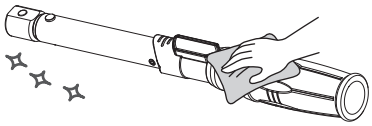
1. Pull down the unlock the handle to unlock.
2. Turn the adjustable handle Clockwise or Anti-clock wise (Right or left) to set the desired torque.
3. Push up the handle to lock and set.

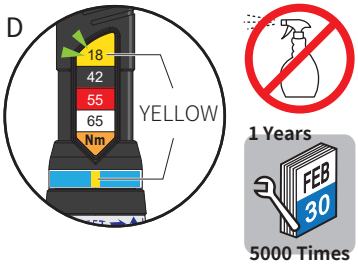
For example : ITEM NO. OLT-65N，To set torque to 55 Nm.
Pull down the handle, rotate the required value 55 Nm/RED (See A) to align the vertical Red line of the handle (See B), that is, the torque value.
With 26mm open head (Red), it is installed and ready for use (See C).



MAINTENCE AND STORAGE

1. Please return torque value to just below lowest reading (18 Nm yellow line) when not in use. (See D)
2. If this tool has not been used for a period of time, it shall be preloaded several times at its maximum torque setting. This will allow internal lubricant to recoat.
3. 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.
4. This tool should be recalibrated a period of 1 yeaes, or 5,000 cycles, whichever occurs first. To contact with local vendor or an authorized repair center for supporting.



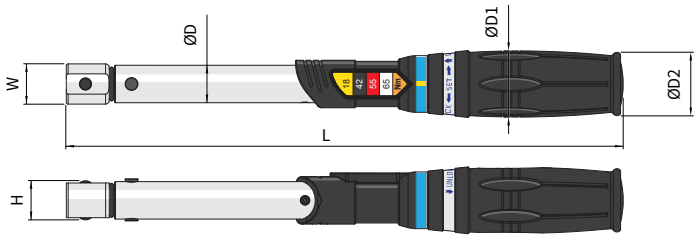


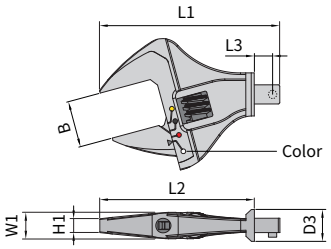
TORQUE CONVERSION FACTORS

Units to be converted	Corresponding unit								
	=mN·m	=cN·m	=N·m	=ozf·in	=lbf·in	=lbf·ft	=gf·cm	=kgf·cm (kp·cm)	=kgf·m (kp·m)
1 mN·m	1	0.1	0.001	0.142	0.009	0.0007	10.2	0.01	0.0001
1 cN·m	10	1	0.01	1.416	0.088	0.007	102	0.102	0.001
1 N·m	1000	100	1	141.6	8.851	0.738	10197	10.2	0.102
1 ozf·in	7.062	0.706	0.007	1	0.0625	0.005	72	0.072	0.0007
1 lbf·in	113	11.3	0.113	16	1	0.083	1152.1	1.152	0.0115
1 lbf·ft	1356	135.6	1.356	192	12	1	13826	13.83	0.138
1 gf·cm	0.098	0.01	0.0001	0.014	0.0009	0.00007	1	0.001	0.00001
1 kgf·cm(kp·cm)	98.07	9.807	0.098	13.89	0.868	0.072	1000	1	0.01
1 kgf·m(kp·m)	9807	980.7	9.807	1389	86.8	7.233	100000	100	1

Conversion-formula :
Units to be converted × Factor = Corresponding unit
Example : Convert 5 lbf·ft into cN·m
Solution : 5 × 135.6 = 678 cN·m

SPECIFICATION





Accuracy : ± 4%

Unit : mm

ITEM NO.		SET Nm	Color	W	H	L	ØD	ØD1	ØD2	G
OLT-65N2	9x12	18	YELLOW	22	19	306.1	20.5	36	34.6	667
		42	BLACK							
OLT-75N2		55	RED							
		65 (75)	WHITE							
OLT-65NS2	14x18	18	YELLOW	32	25	314.6	20.5	36	34.6	737
		42	BLACK							
OLT-75NS2		55	RED							
		65 (75)	WHITE							

ITEM NO.	B	Color	W1	H1	L1	L2	L3	D3	G
AH0912	17	YELLOW	17	9	114	98	11.5	20	346
	22	BLACK							
	26	RED							
	29	WHITE							
AH1418	17	YELLOW	17	9	122	98	15.5	20	382
	22	BLACK							
	26	RED							
	29	WHITE							

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MATATAKITOYO TORQUE TOOLS
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Made in Taiwan