

Battery type Torque Screwdriver

PTA-G-BT

Wireless, fully automatic tightening with torque and angle monitoring



- Torque & angle monitoring function provides double tightening prevention
- No controller necessary, Bluetooth® duplex communication
- Models available to cover a torque range of 2 to 10N·m
- Approximately 3,500 operations per charge
- Torque checking with a standard torque wrench tester



PTA-G-BT

Features

No controller required - saves cost and complexity

Torque & angle data, setting commands are sent and received via Bluetooth®

1/4 Hex bit coupler



Torque & Angle data

Setting command



Tablet PC

Master data
Tightening value



Management PC

Example of Tightening data management

PTA-G-BT Setting software



Setting software is included with purchase

Judgment status LED



Result: OK

Result: Error

Setting mode

Mode 1: Remote setting by command input from external device

Mode 2: Setting by key input

Function

Angle display mode:

Total angle information can be output for each fastener from trigger torque to final applied torque

Double tightening detection

Angle information allows double tightening detection

LED light button

LED can be illuminated manually or automatically when the trigger is pulled



Torque checking by torque wrench tester

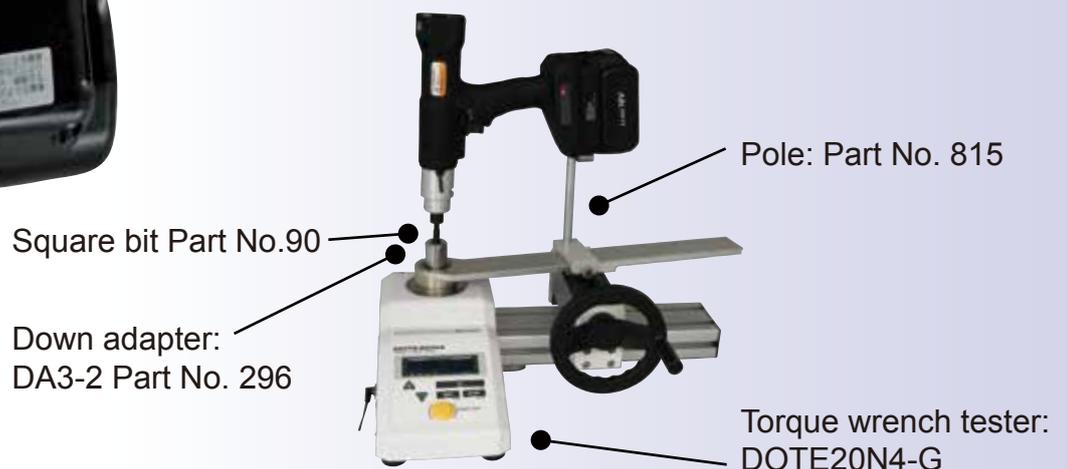
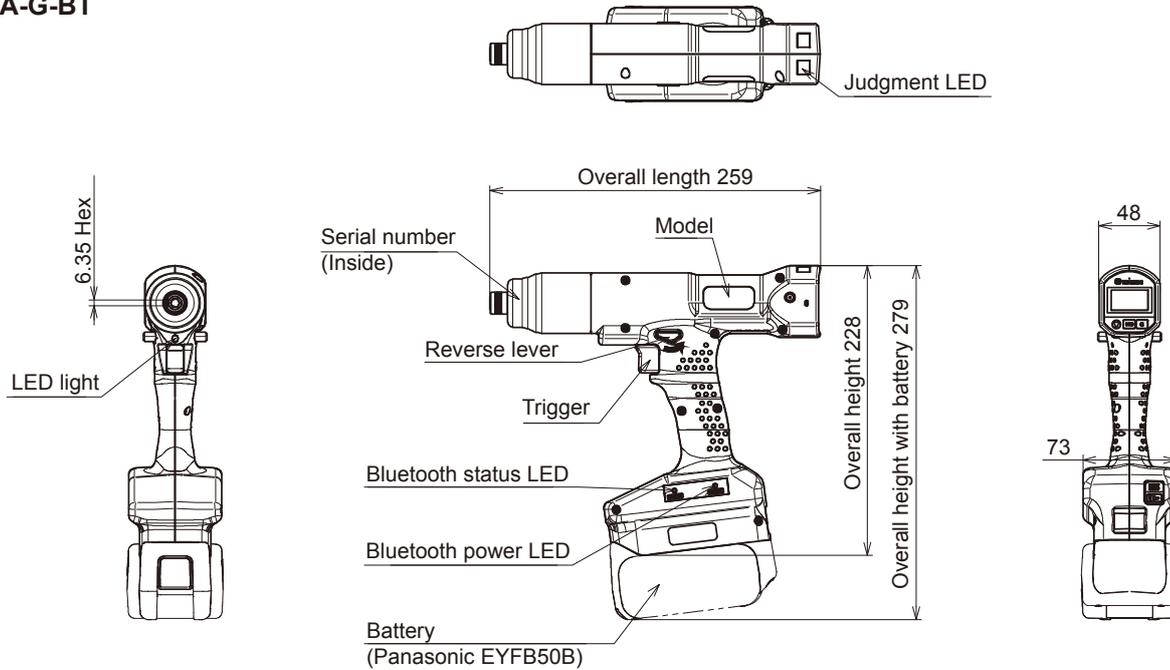


Figure of torque checking

Dimensions and Specifications

■ PTA-G-BT

[mm]

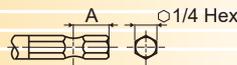


Model		PTA5N-G-BT	PTA10N-G-BT
Torque Range [N·m]	Min. - Max.	2 - 5	4 - 10
	1digit	0.01	0.02
Free rotation speed [r.p.m]	Hard joint - off	1000	500
	Hard joint - on	600	450
Noise [dB]	Lp	55.8	55.4
	Lw	66.8	66.4
Vibration [m/s ²]	ah	0.347	0.331
	K	0.048	0.057
Coupler		6.35mm Hex bit *1	
Rated voltage [V]		18	
Torque accuracy		±5%	
Angle accuracy		±5°	
Motor		Brush less motor	
Torque detection method		Torque sensor	
Angle detection method		Encoder and Gyro sensor	
Communication method		Bluetooth®*3	
Data memory		1000 data	
Power		Lithium-ion battery (Panasonic EYFB50B)	
Weight [kg]		1.0 (1.7)*2	1.1 (1.8)*2

Note *1 The size A 9 to 14mm of bits are available.

*2 The weight shown in () includes a battery.

*3 Bluetooth is a registered trademark of Bluetooth SIG, Inc.



Optional accessories

Bluetooth receiver

Outputs tightening data via RS232C or I/O



Model	R-BT
Bluetooth® version	2.0+EDR
Display	LCD, Status lamp, LED x 4
Interface	No-voltage contact output x 4, RS232C, LS-IN, Reset
Power source	DC24V 18 to 36V or optional AC Adapter

Protocol converter

Converts Tohnichi format to Nutrunner's protocols



Model	TPC	TPC2
Protocol	ACOP Serial ACOP Socket STANLEY	ACOP Serial ACOP Socket ToolsNet
Interface	LAN x 1, RS232C x 2	
Power source	DC24V 18 to 36V or optional AC Adapter	

Note PTA-G-BT is supported from version 1.30.

Battery & Charger

Battery & Charger do not come with body, contact your Tohnichi distributor for details.

Battery pack

Model: EYFB50B

Brand: Panasonic



A fully charged battery will tighten up to 3,500 fasteners

Charger

Model: EY0L82B

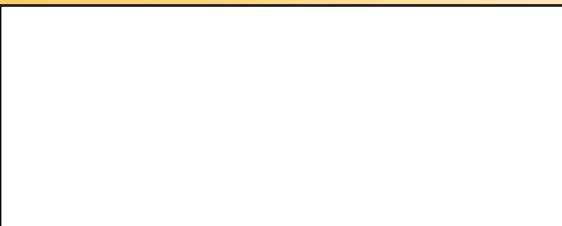
Brand: Panasonic

Power: 120V, 220~240V



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