

Panasonic Cordless Assembly Tools 2026

New

- 14.4V/18V Intelligent Shut-Off Mechanical Pulse with ZigBee Communication
- **EYFMH3 / 4, EYFNH2**
- 14.4V Low Noise Shut-Off Mechanical Pulse with Higher Torque
- **EYFMF1**
- 7.2V Compact and Light-Weight Shut-Off Screwdriver with High Accuracy
- **EYFEA2**



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Panasonic Cordless Assembly Tools & Accessories / Model Numbering Structure

* Note : Some of previous generation models are out of scope of this structure.

Digit #	1	2	3	4		5		6		7 ~ 8		9	10	11 ~ 12
Structure	E	Y	F	Alphabet		Alphabet		Number		Alphabet		Number	Alphabet	Number
Digit definition	Cordless assembly tool & accessory			Category / Voltage		Type		Series #		Drive / Wireless type		Option	Shipping style	Country / Area code (internal use)
Tool	EYF			E	SD 7.2V	A	Shut-off	1 ~ 9	A	Hex 1/4" (depth:9-12mm)	Set on a case-by-case basis	Tool only : no indication	10,10H or 32 for internal use	
				G	SD 14.4V	E	Angle shut-off		B	Ball-detent				
				L	MP 10.8V	F	Low noise shut-off		C	C-ring / pin hole		Set with other accessory: S		
				M	MP 14.4V	H	Torque sensor		F	XXXXXXXXXX				
				N	MP 18V				J	Pin hole 1/2"				
				P	MP 21.6V				N	Hex 1/4" (depth:13-16mm)				
				(SD:Screwdriver MP:Mechanical Pulse)				P	Pin detent					
								Q	Pin hole 3/8"					
									R	ZigBee 2.4GHz				
Battery pack	EYF		B	Battery pack					*	3.6V				
									*	7.2V				
									30~	10.8V				
									40~	14.4V				
									50~	18V				
									60~	21.6V				
Accessory	EYF		A	Accessory					01~	Protector		B or color code		
									30~	Setting tool				
									40~	Tool hanger				
									50~	Attachment				
Controller	EYF		R	Controller				02, 03, 04	(Ask distributor for details.)					

Assembly Line Innovation

3 key concepts of Panasonic assembly tools

1

Assembly Quality
(Torque Control)

2

User-Friendly
(Safety/Comfort)

3

Eco-Friendly
(Energy Saving/Long Life)



1 Extensive Torque Control Tools Line-up

Offer advanced cordless tools which can cover up-to 650Nm torque control applications.

Intelligent Shut-Off Series (NH/MH)

- Shut-off torque range : 20~220Nm
- Tracing torque value, angle value, tightening curve, and other traceability data
- Line-up for M8~M18 fasteners



Low Noise Shut-Off Series (MF/LF)

- Shut-off torque range : 3~55Nm
- Max. torque in Free mode : 120Nm
- New low noise/vibration mechanical structure
- Line-up for M5~M10 fasteners



Shut-Off Series (LA/MA/ME/NA/PA)

- Shut-off torque range : 3~650Nm
- Max. torque in Free mode : 750Nm
- Wide torque coverage from 10.8V compact to 21.6V heavy duty models
- Line-up for M5~M24 fasteners



Clutch Screwdriver - Cordless Series (GA/EA)

- Shut-off torque range : 2~10Nm
- $\pm 10\%$ Cmk 1.67* (ISO5393, EYFGA only)
- Compact and lightweight ergonomic body
- Line-up for M3~M6 fasteners

* In 3Nm range. Measured with the maximum RPM setting



2 Cordless and No Reaction Benefits

Eliminate air hoses and reaction arms, and bring extensive benefits.

- Greater flexibility in the design and layout of assembly area.
- Increase operator safety and comfort.
- Reduce potential of product damage.

* Screwdriver type tools have torque reaction



3 Less Running Cost and Long Life Technology

Maximize lifetime benefits from a tool.

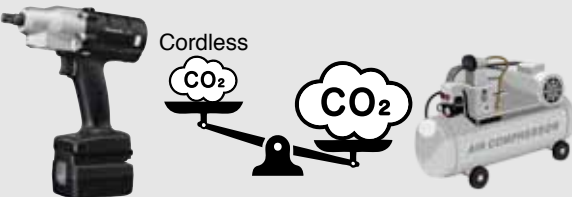
No Oil Change

Mechanical pulse block requires no oil change and can make stable torque.



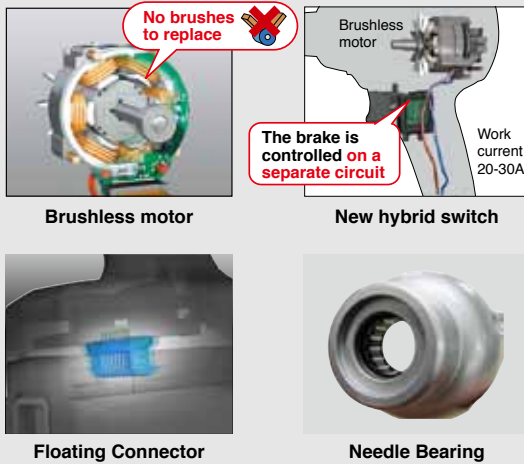
Less Energy Consumption

Battery operated tools don't require air-compressor which consumes large energy.



Durable Design

Panasonic tools designed for heavy duty industry use, such as *1 twice the life switch and motor, shock absorbing floating connector and *2 wear-resistant needle bearing.



*1 Compared with Panasonic's brush motor and non-hybrid switch.
*2 The majority of models feature needle bearing, but not every model.

5

6

Wireless Communication Tool Controller with 16 Tools simultaneous Control Capability

Dynamic 2-WAY Communication

*See model spec chart for 2-way/1-way/stand-alone classification.
*Ask distributor for controller specification details.



- Total flexibility - Change parameter via IT, scan or external devices
- Use one tool for several different applications (automatic change possible)
- Report back torque, angle, NOK data, timings etc.
- Program / update via remote PC or by controller unit (PC software included)
- Visual confirmation of OK / NOK via colour LCD panel
- No license fees

Wireless Communication Features

1

Tool Distance

A highly reliable data signal can be transmitted if tools is within 10m of the controller and there are no barriers between tool and controller.



2

Deactivate Tools

Tools can be locked out to prevent use after batch is completed and/or when not in use. Tools can be activated again when needed.



3

Out-of-Range Anti-Theft Function

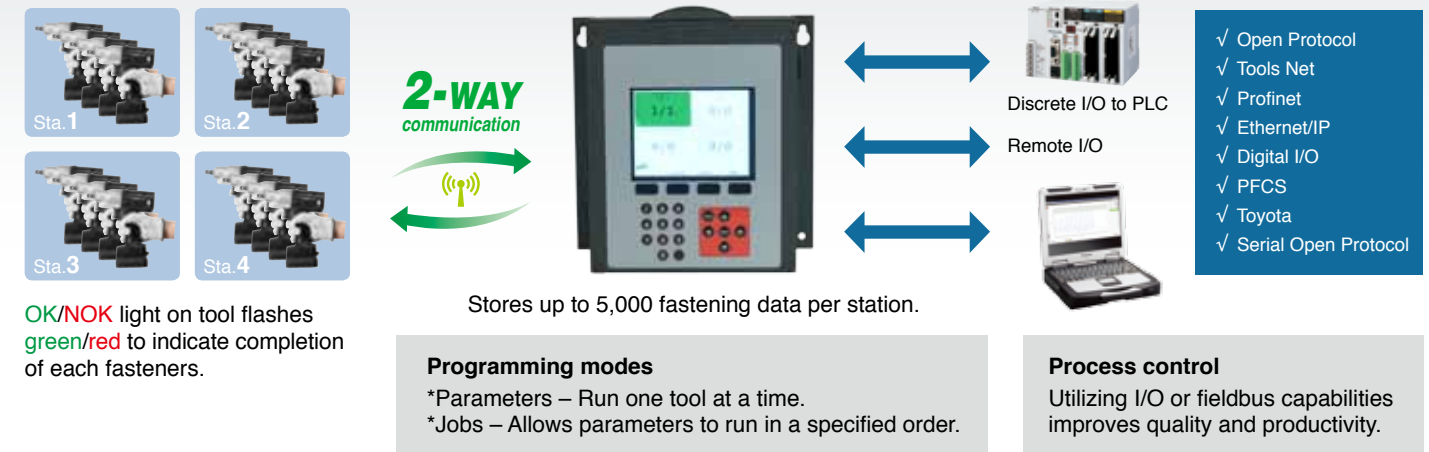
In the event that wireless communication cannot be completed between tool and controller, tool will be disabled and cannot be operated. Operation of this function is set on tool body with remote control.



EYFR04 / Multi-Station Assembly Controller

4 Interfaces

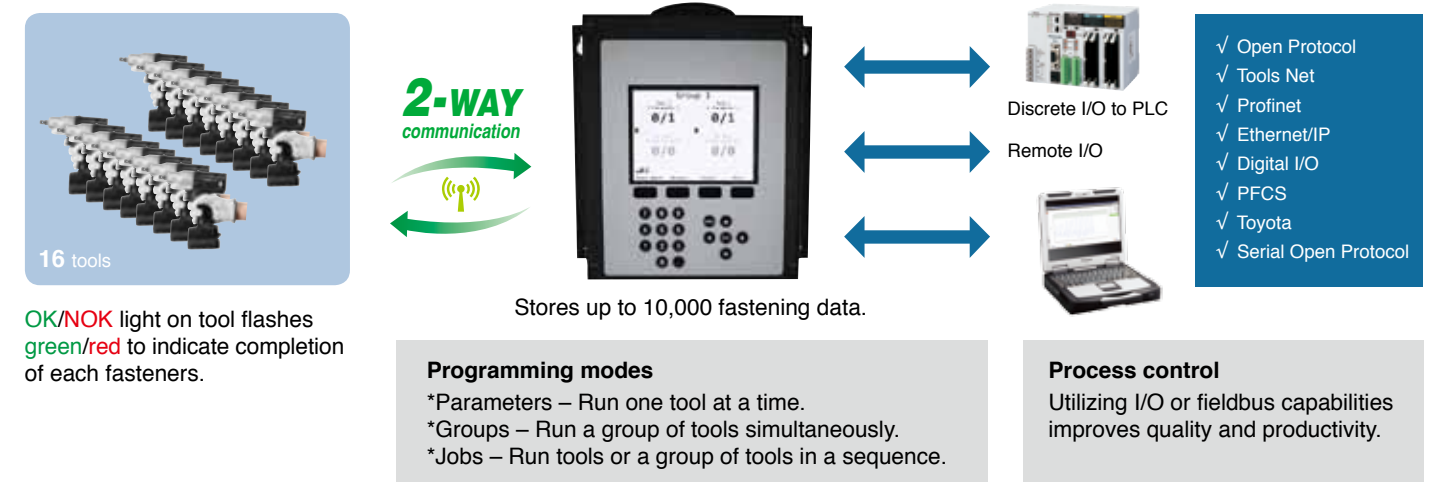
EYFR04 has 4 interfaces which work almost like having 4 logic controllers inside one single physical controller. Some settings, such as IP address and beeper settings, are shared between the interfaces. Each interface has its own parameters and jobs as well as its own tightening log and can be controlled separately by plant control system.



EYFR03 / Multi-Tool Assembly Controller

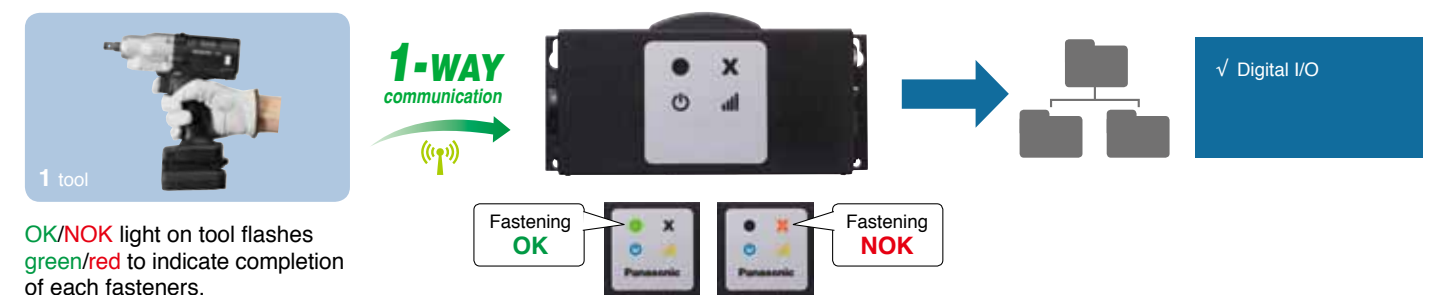
16 to 1

Up to any mix of 16 tools communicate over a secure connection simultaneously with controller to indicate OK/NOK fastenings.

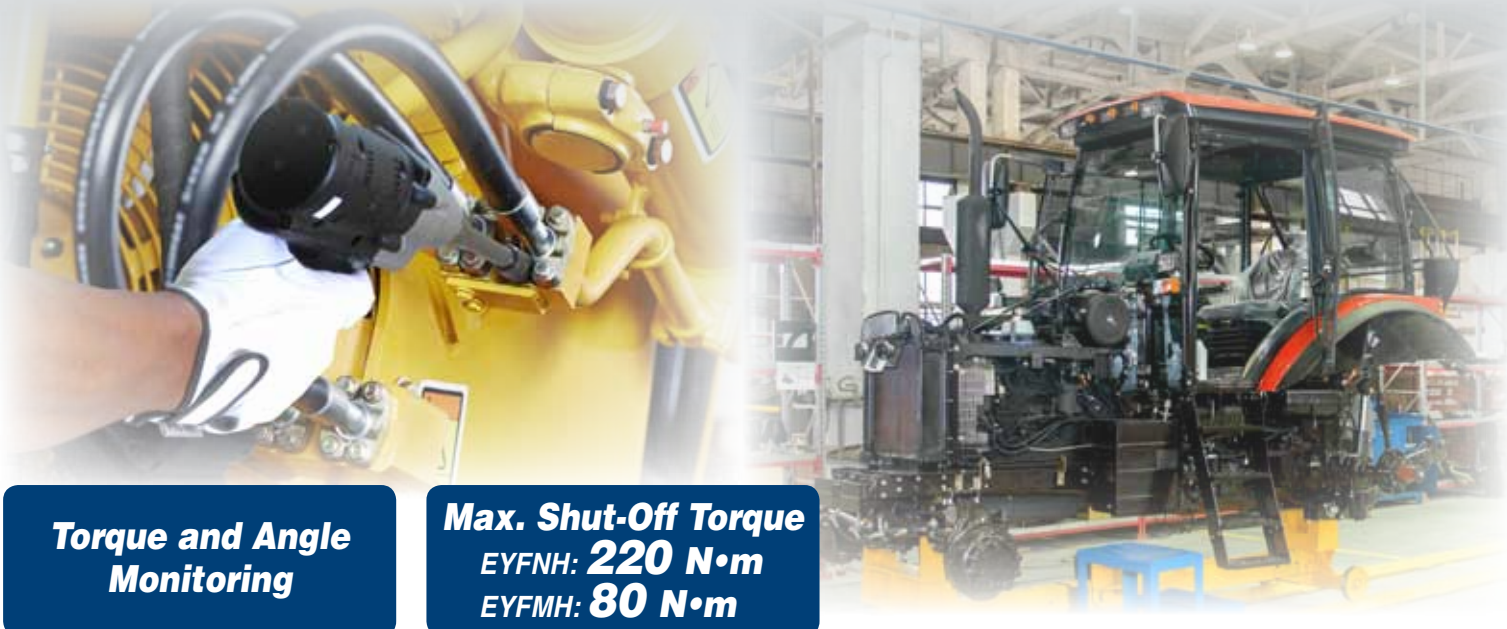


EYFR02 / Single-Tool Assembly Controller

1 to 1 with 1-way communication



Intelligent Shut-Off Mechanical Pulse Wrench achieves both fastening quality and work efficiency!



Torque and Angle Monitoring

Max. Shut-Off Torque
EYFNH: **220 N·m**
EYFMH: **80 N·m**

Unique Technologies for Mechanical Pulse Torque Sensing

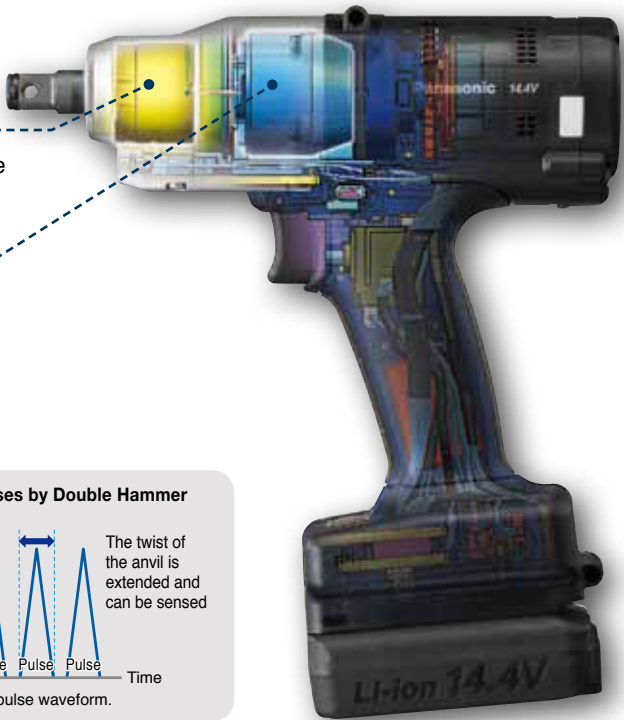
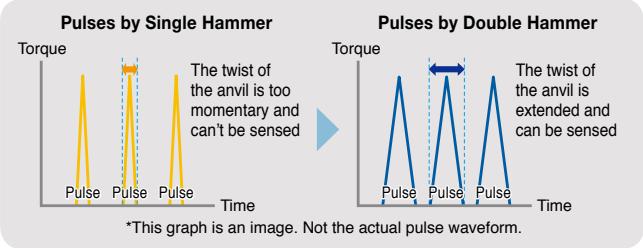
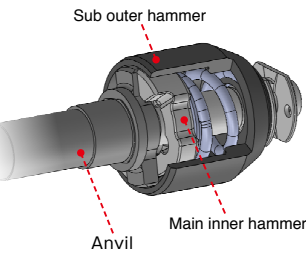
Unique High Sensitivity Torque Transducer

The system has high sensitivity to reliably measure the instantaneous torque at the pulses and high durability with non-contact structure which can't be worn out or damaged by the pulses.

*The transducer senses the torsional torque of the anvil.

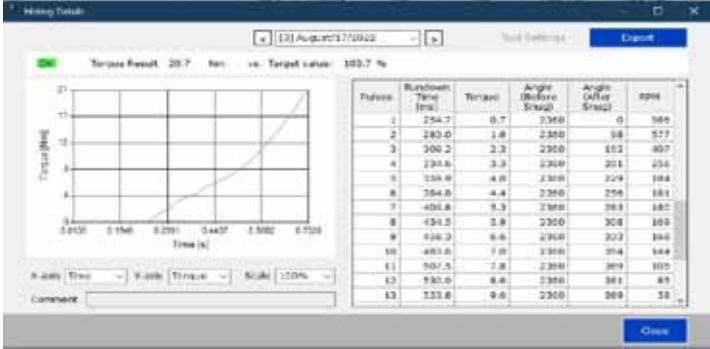
Unique Double Hammer with Optimum Pulse Behavior for Torque Sensing

The continuous pulsing of both sub and main hammer extend the measurable twist time of the anvil and provides accurate torque sensing from mechanical pulse tools.



Traceability Data Management

Tool Manager provides the operator the ability to view history rundown data, like the fastening curve and pulses.



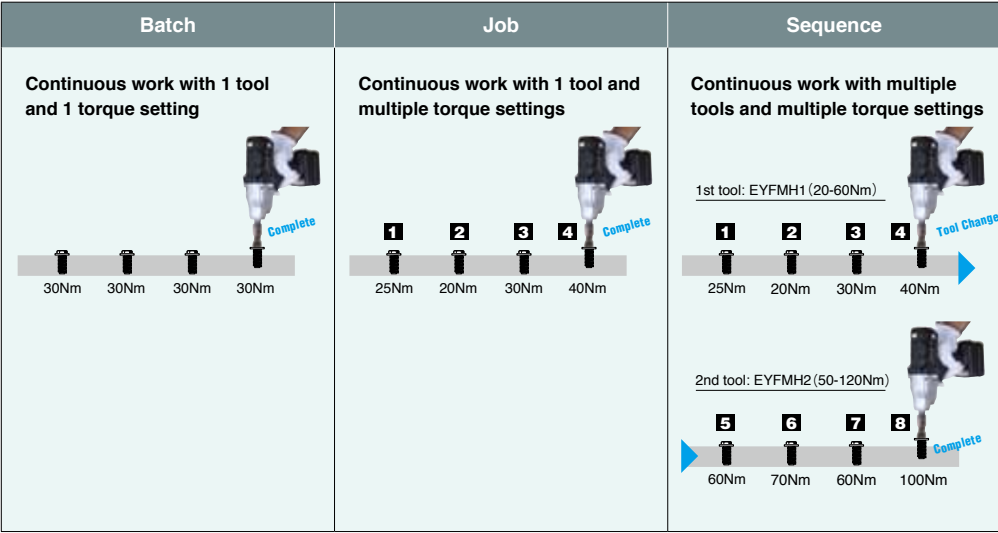
Accurate Fastening Performance

Validation Data (Socket length: 40mm) (only for reference purpose)

Model	Joint	Socket length	Bolt Size	Target	1	2	3	4	5	26	27	28	29	30	Average	Accuracy
18V EYFNH2	Hard	40mm	M12	70Nm	72	73	76	75	76	71	70	72	73	75	72.0	9.6%
			M14	140Nm	138	139	137	142	145	144	138	135	142	133	137.6	8.0%
			M16	190Nm	199	191	182	188	192	194	187	191	184	191	190.2	7.3%
14.4V EYFMH4	Hard	40mm	M10	50Nm	50	52	51	53	51	51	52	52	49	50	51.8	5.3%
			M12	80Nm	81	82	83	83	82	84	83	80	82	83	81.2	7.1%

*The values in this chart were measured under Panasonic measuring condition and are provided only for reference purpose. Actual tightening torque may vary with ambient conditions.

2-Way Communication Setting Example

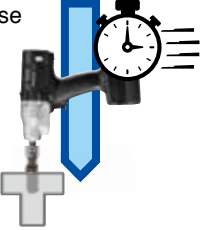


High Work Efficiency and Low Running Cost

Well balanced compact design for one hand operation



Powerful mechanical pulse for **speedy fastening even after snug!**
The tool can be used with confidence even in quick tack time.



The tool causes **no reaction** and doesn't require reaction arm.

No oil in the pulse block and no worry for interruption due to its overheat even in **continuous rundowns**



Mechanical pulse block requires **no oil** change and can make stable torque.

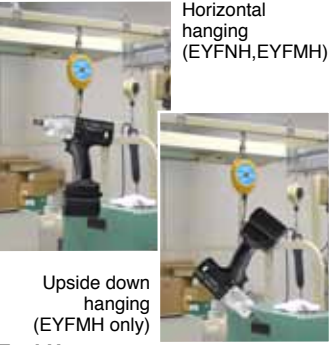
More Features



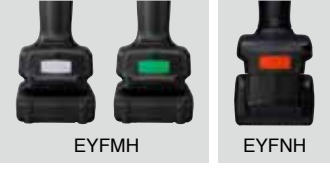
OK/NOK LED
Multiple lamps can be seen from various angles.



LED Work Light
For operations in dimly lit place.



Tool Hanger
The tool can be hung on a balancer both horizontally and upside down with accessory tool hanger.



Color Plate by Torque Range
Each tool model is colour coded for easy identification.



USB Connection
Easy connection with PC · tablet using "USB Type-C" on the tool.

Tool Manager

Compatible OS

- Windows10/11
- Windows10/11 Pro
- Windows10/11 Enterprise

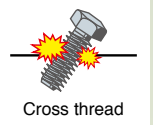
Features

- Set parameters
- Manage parameter files
- View work results
- Manage work result files

Advanced Fastening Features

Cross Thread Reduction

Two types of the programmable features to reduce cross thread. **Soft Start** : Lower the no load speed to the tool lowest rpm for a programmable time after trigger is pulled. **360° Reverse** : 360° reverse rotation for thread alignment then rotate forward.



Retightening Prevention Function

This function prevents the tool from operating within a selected time period after it automatically stops from the torque control function. The switch will not operate even if engaged during this time period.

Variable Speed Control Function

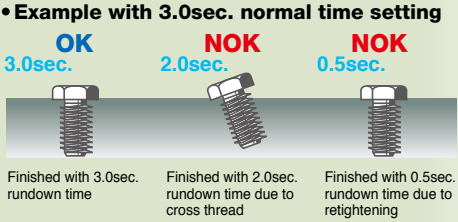
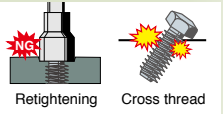
Speed can be controlled by use of the trigger. Speed control function ON and OFF can be selected.

Snug Torque Detection Delay

The tool doesn't activate Snug Torque Detection mode and ignores loads in the middle of rundown for a selected time period.

Rundown Error Detecting Function

If the clutch is activated before the programmable minimum runtime, the tool alerts the operator to a NOK fastening. (Time setting:0.1-3.0sec, 0.1sec per stage)



Auto Downshift Function

After a programmable period of time, the rpm automatically downshifts to 300 rpm. This can reduce the fasteners impact to the material, maximizing operator's productivity.

Angle Error Shut-Off

Tool shuts off when the rundown exceeds its upper angle limit to prevent the material from damaged.

Disable Reverse

The tool is prevented from operating in reverse rotation when this function is ON.

Ignore Rundown Result before Snug

When this function is ON and tool stops before snug point due to trigger release, the rundown result isn't recorded.

Maintenance Interval Alarm

When the total fastening times (impact tools)/ numbers (screwdrivers) are within 1 hours/10,000 fastenings of the preset maintenance interval, the display blinks notifying the operator. Once the tool reaches the preset interval, the tool is looked out from further use. (Number of setting: 0-99 hours/0-990,000 fastenings)

Long Socket Mode

RPM can be adjusted depending on socket length to stabilize torque even with long socket. (h1: for 150mm socket, h2: for 250mm socket)

Intelligent Shut-Off Mechanical Pulse			
Voltage		18V	
Radio / Wireless Model # 2-WAY communication		EYFNH2RC	EYFNH2RP
Product shape		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04 Brushless Motor Battery pack is sold separately.	
Drive		Type C 12.7mm Sq. with C-ring & pin hole	Type P 12.7mm Sq. with pin detent
Application		M12•M14 bolt (Tensile bolt) M16•M18 bolt (Normal bolt)	
Shut-off torque range *		70 -220 Nm	
Flush detection mode		7 stages (L1-L7)	
No load rotation speed *(stage/min ⁻¹)		0 - 1,900 (Max. rpm is adjustable from 1,300 to 1,900 in 100 increments)	
Pulses per minute *(ppm)		0 - 2,400	
Weight with battery pack *		3.35kg / EYFB50B (5Ah)	
Size *	Length	265mm	
	Height	294 mm / EYFB50B	
	Width	76 mm (body), 76mm (battery pack)	
Other main Specifications	Torque result	√	
	Angle result	√	
	Fastening curve	√	
	Number of preset	Wireless communication mode: 5 (with EYFRW2), Standalone mode: 1	
	Data storage	√ (Standalone Mode: approx. 45,000 history data can be stored in case of 1.2 sec. fastening work)	
	USB connection	√ (USB Type-C™)	
	Advanced fastening features	√ (For more details, see the left side)	
	Auto battery shutdown	√	
	Optional Accessory	See page 33-34	
Work capacity *	Bolt size / Fastening speed	M12 / 1.0 sec	
	Torque setting	100Nm	
	Fastenings / full charge	500 pcs / 5Ah	
Battery pack charting time * (Charger : EY0L82B)		EYFB50B 5Ah : usable 65 min / full 80 min	

* : Numbers are approx. ** : EYFR02/03/04 ZigBee controller. Ask distributor for details.
√ : Available

Intelligent Shut-Off Mechanical Pulse				
Voltage		14.4V		
Radio / Wireless Model # 2-WAY communication		EYFMH3RC	EYFMH3RP	EYFMH4RC EYFMH4RP
Product shape		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04 Brushless Motor Battery pack is sold separately.		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04 Brushless Motor Battery pack is sold separately.
Drive		Type C 12.7mm Sq. with C-ring & pin hole	Type P 12.7mm Sq. with pin detent	Type C 12.7mm Sq. with C-ring & pin hole Type P 12.7mm Sq. with pin detent
Application		M8 bolt (Tensile bolt) M10 bolt (Normal bolt)		M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)
Shut-off torque range *		20 - 60 Nm		50 - 80 Nm
Flush detection mode		7 stages (L1-L7)		
No load rotation speed *(stage/min ⁻¹)		0 - 2,300 (Max. rpm is adjustable from 1,500 to 2,300 in 100 increments)		0 - 2,300 (Max. rpm is adjustable from 1,500 to 2,300 in 100 increments)
Pulses per minute *(ppm)		0 - 2,700		0 - 2,600
Weight with battery pack *		2.05kg / EYFB43B (4Ah), 1.80kg / EYFB41B (2Ah)		
Size *	Length	215mm		
	Height	264 mm / EYFB43B, 246 mm / EYFB41B		
	Width	61 mm (body), 75mm (battery pack)		
Other main Specifications	Torque result	√		
	Angle result	√		
	Fastening curve	√		
	Number of preset	Wireless communication mode: 5 (with EYFRW2), Standalone mode: 1		
	Data storage	√ (Standalone Mode: approx. 45,000 history data can be stored in case of 1.2 sec. fastening work)		
	USB connection	√ (USB Type-C™)		
	Advanced fastening features	√ (For more details, see the left side)		
	Auto battery shutdown	√		
	Optional Accessory	See page 33-34		
Work capacity *	Bolt size / Fastening speed	M8 / 0.5 sec	: M10 / 0.7 sec	M12 / 0.9 sec
	Torque setting	23Nm	: 43Nm	71Nm
	Fastenings / full charge	940 pcs / 4Ah, 490 pcs / 2Ah	: 670 pcs / 4Ah, 350 pcs / 2Ah	450 pcs / 4Ah, 230 pcs / 2Ah
Battery pack charting time * (Charger : EY0L82B)		EYFB43B 4Ah : usable 45 min / full 60 min EYFB41B 2Ah : usable 35 min / full 40 min		

* : Numbers are approx. ** : EYFR02/03/04 ZigBee controller. Ask distributor for details. √ : Available

Shut-Off Tool Functions/Features Overview

Stuffed with variety of reliability and user-friendly technologies

Low Noise Shut-Off Series



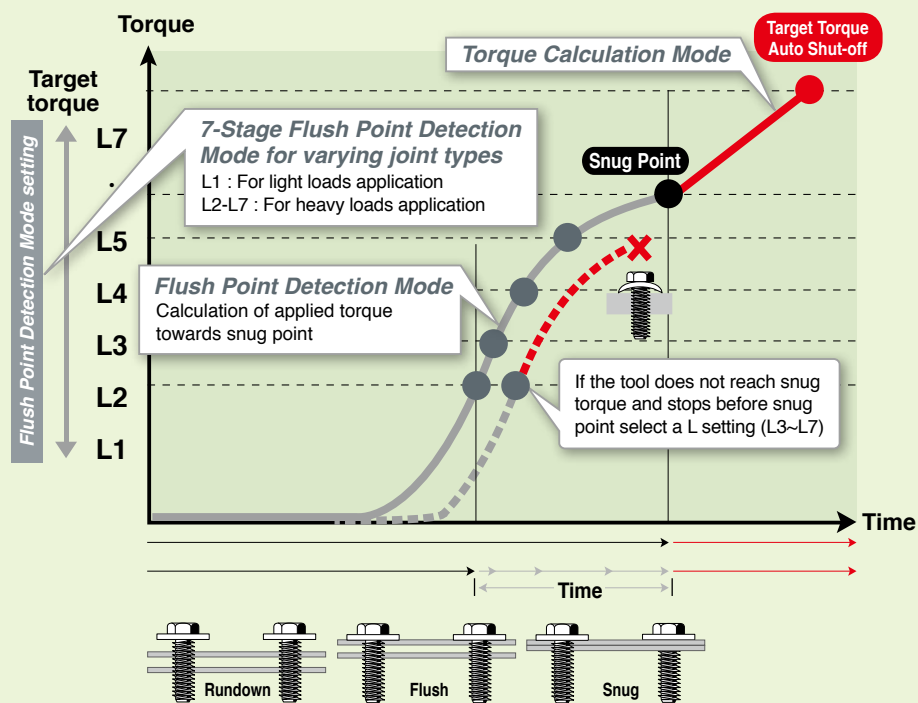
Shut-Off Series



Clutch Screwdriver - Cordless Series



Improved Soft Joint Performance



Flush Point: The point where the head of the fastener meets the material. Finger tight.

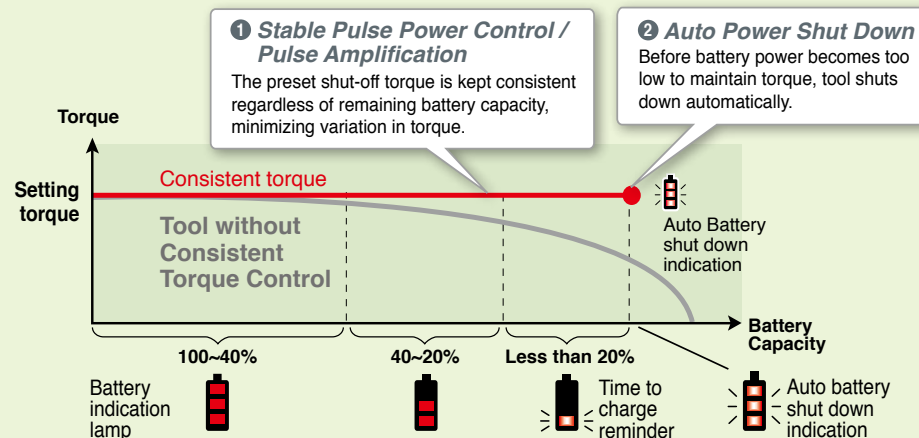
Snug Point: The point where materials are pulled together completely and torque calculation mode begins.

L1: Brittle plastic or hard joint, no prevailing torque.
Parts are snug.

L2: Minor prevailing torque. Parts need to be pulled together.

L3-L7: Major pulling of parts together before snug. Obvious gaps in layers of material.

Consistent Torque Control



● Functions

LED Work Light	
OK/NOK LED, Buzzer	
Battery Level LED	
Soft Start	Lower the no load starting speed for a programmable time.
Reverse Start (reversing angle)	Starting reverse rotation for thread alignment before forward rotation.
Variable Speed On / Off	Enables to select variable speed or single speed trigger operation.
Remote Mode Setting	

● Features

Snug Torque Detection (stage)	Enables accurate fastening by selecting flush point detection level.
Flush Detection Delay	Delays flush torque detection activation by ignoring loads for a selected time period.
Cross Thread Prevention	Alerts NOK if the shut-off is activated before the preset minimum runtime.
Re-tightening Prevention	Prevents double tightening within a selected time period after shut-off.
Socket Extention Mode (h1: 150mm, h2 250mm socket)	Chose suitable speed for stable pulse according socket length.
Maintenance Interval Alarm	Notify preset maintenance interval by blinking LED when the remaining is:
Wireless Communication (radio/wireless type only)	Control tool settings both via remote or EYFR03/04 controller.
Out of Range Disable (radio/wireless type only)	Disable tool operation if the wireless communication cannot be completed.
Stable Pulse Power Control	Keep power of each pulse consistent regardless of remaining battery capacity.
Pulse Amplification	Amplify pulse frequency when the rotation is decreased due to lower battery voltage.
Auto Power Shut Down	Shuts down tool automatically before the battery power becomes too low.
Color Plate by Torque Range (with serial #)	
Tool Hanger	

Low Noise Shut-Off Mechanical Pulse	Shut-Off Mechanical Pulse			Cordless Clutch Screwdriver	
	High Spec Shut-Off	Shut-Off	Shut-Off High Torque / Right Angle		
	EYFLF1, 2	EYFLA7, 8, 9	EYFLA4, 5, 6	EYFNA1, PA1	EYFGA 1, 2, 3
EYFMF1	EYFMA2	EYFMA1	EYFME1		
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	
✓					
✓ (180°/360°)	✓ (360°)		✓ (360°)	✓ (360°)	
✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	
✓ (7)	✓ (7)	✓ (2)	✓ (2)		
✓	✓				
✓	✓		✓	✓	
✓	✓	✓	✓	✓	
✓	✓				
✓	✓		✓	✓	
	(1 hour operation)			(10,000 fastenings)	
2-way	2-way	1-way		1-way	
(✓)	(✓)	(✓)		(✓)	
✓	✓		✓		
		✓			
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	
✓	✓		✓	✓	✓

Low Noise, Low Vibration and Compact Unit



10.8V EYFLF1, 2

Shut-off torque range	3 ~ 35Nm
Max. torque in Free mode	100Nm

14.4V EYFMF1

Shut-off torque range	16 ~ 55Nm
Max. torque in Free mode	120Nm



10.8V EYFLF1

NEW 14.4V EYFMF1

New Mechanical Pulse Structure

Highly durable split anvil shaft Patent pending

provides reduction of pulse noise.

Before

After

Split anvil shaft

Enlarged metal hammer Patent pending

reduces pulse noise level and vibration due to lower pulse frequency.

Before

After

Enlarged metal hammer

Features / Benefits

Less noise and vibration for improved working environment

Approx. **10dB** less

Approx. **84dB**

Approx. **94.5dB**

Approx. **75%** less

Approx. **3.4m/s²**

Approx. **13.7m/s²**

*According to EN62841-2-2 testing condition

Less running cost, eco-friendly

Mechanical pulse

Maintenance cost

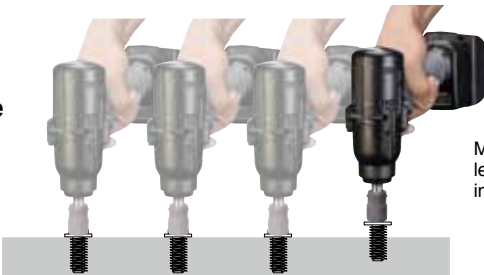
Oil pulse

Cordless

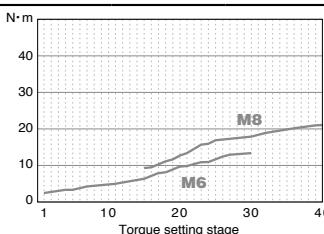
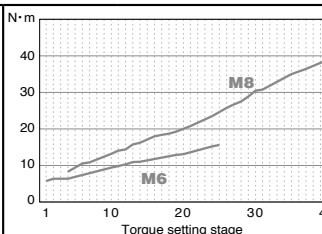
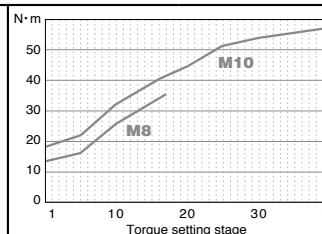
Operating energy consumption

Pneumatic

Increased productivity with serial fastening capability, supported by more work capacity per one charge



Mechanical pulse – less overheat risk in serial fastening

Low Noise Shut-Off Mechanical Pulse										
Voltage		10.8V					NEW 14.4V			
Stand-alone Model #		EYFLF1XC	EYFLF1XP	EYFLF1XA	EYFLF2XC	EYFLF2XP	EYFLF2XA	EYFMF1XC	EYFMF1XP	
Radio / Wireless Model # 2-WAY communication		EYFLF1RC	EYFLF1RP	EYFLF1RA	EYFLF2RC	EYFLF2RP	EYFLF2RA	—	—	
Product shape		Wireless Controller  ** EYFR02  ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately					 Brushless Motor Battery pack is sold separately			
Drive		Type C 9.5mm Sq. with C-ring & pin hole 	Type P 9.5mm Sq. with pin detent 	Type A 1/4" Hex quick change 	Type C 9.5mm Sq. with C-ring & pin hole 	Type P 9.5mm Sq. with pin detent 	Type A 1/4" Hex quick change 	Type C 9.5mm Sq. with C-ring & pin hole 	Type P 9.5mm Sq. with pin detent 	
Shut-off torque range *		3 - 20 Nm			6 - 35 Nm			16 - 55 Nm		
Max. torque * (Non shut-off)		40Nm (M10 Bolt)		30Nm (M10 Bolt)	100Nm (M10 Bolt)		70Nm (M10 Bolt)	120Nm (M14 Bolt)		
Torque setting		40 stages + F (non shut-off)								
Tightening torque chart * (for reference use)										
Flush detection mode		7 stages (L1 - L7)								
No load rotation speed * (min ⁻¹) & Pulses per minute *(ppm) by torque setting stage		Stage	No load rotation speed	Pulses per minute	Stage	No load rotation speed	Pulses per minute	Stage	No load rotation speed	Pulses per minute
		1-4	0-650 min ⁻¹	0-1,300 ppm	1-3	0-1,450 min ⁻¹	0-2,250 ppm	1-7	0-1,450 min ⁻¹	0-2,550 ppm
		5-14	0-950 min ⁻¹	0-1,800 ppm	4-40, F	0-1,800 min ⁻¹		8-10	0-1,800 min ⁻¹	
		15-19	0-1,200 min ⁻¹			11-40, F	0-2,300 min ⁻¹			
		20-40, F	0-1,800 min ⁻¹							
Weight with battery pack *		1.45 kg / EYFB33B (3.8Ah), 1.3 kg / EYFB32B (2Ah)			1.45 kg / EYFB33B (3.8Ah), 1.3 kg / EYFB32B (2Ah)		1.6 kg / EYFB43B (4Ah), 1.35 kg / EYFB41B (2Ah)			
Size *	Lengh	167 mm		166 mm	167 mm		166 mm	167 mm		
	Height	249 mm / EYFB33B, 231 mm / EYFB32B			249 mm / EYFB33B, 231 mm / EYFB32B		249 mm / EYFB43B, 231 mm / EYFB41B			
	Width	59 mm (body), 75mm (battery pack)								
Functions	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutres)								
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)								
	Battery Level LED	√ (3 stages)								
	Soft Start	√								
	Reverse Start	√ (180°or 360°reverse start)								
	Variable Speed On / Off	√								
	Remote Mode Setting	√								
Features		See page 13-14 for details								
Optional Accessory		See page 33-34								
Work capacity*	Bolt size / Fastening speed	M6 / 0.7 sec		M6 / 0.8 sec	M8 / 0.9 sec		M8 / 1.2 sec	M10 / 1.3 sec		
	Torque setting stage	Stage 20 / 10 Nm		Stage 21 / 10 Nm	Stage 20 / 23 Nm		Stage 25 / 23 Nm	Stage 20 / 43 Nm		
	Fastenings / full charge	1,900 pcs / 3.8Ah 840 pcs / 2Ah		1,550 pcs / 3.8Ah, 780 pcs / 2Ah	1,450 pcs / 3.8Ah 590 pcs / 2Ah		1,000 pcs / 3.8Ah, 500 pcs / 2Ah	720 pcs / 4Ah 410 pcs / 2Ah		
Battery pack charging time * (Charger : EY0L82B)		Usable / Full		EYFB33B 3.8Ah : 50 min / 60 min, EYFB32B 2Ah : 35 min / 40 min				EYFB43B 4Ah : 45 min / 60 min, EYFB41B 2Ah : 35 min / 40 min		

* : Numbers are approx. ** : EYFR02/03/04 ZigBee controller. Ask distributor for details. √ : Available

High Spec Shut-Off Mechanical Pulse



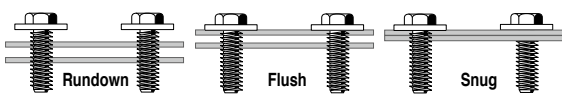
10.8V EYFLA7, 8, 9
14.4V EYFMA2

Shut-off torque range	3 ~ 120Nm
Max. torque in Free mode	185Nm

40-Stage detailed shut-off torque setting by high resolution encoder sensor



7-Stage Flush Point Detection Mode for varying joint types



Stable Pulse Power Control

Keep power of each pulse consistent regardless of remaining battery capacity. (See page 13 for details.)

2-Way communication

Control tool settings both via remote or EYFR03/04 controller. (Ask distributor for details.)

Calibration Data (only for reference purpose) Model number: EYFMA2C

Bolt Size	Torque setting	1	2	3	4	5		26	27	28	29	30	Average	Accuracy
M10	1	14.2	16.1	14.8	14.7	15.0	~	15.3	15.1	15.1	15.1	15.3	15.1	9.7%
	10	31.1	31.8	31.0	31.7	31.8		32.0	31.7	30.7	32.2	30.6	31.5	5.4%
M12	15	55	55	55	55	56		55	55	55	55	55	55	1.7%
	25	80	81	82	81	82		83	82	83	82	81	82	3.5%
M14	30	117	118	113	117	118		118	119	117	118	116	117	4.3%
	40	131	132	134	134	136		134	134	134	133	137	134	3.9%

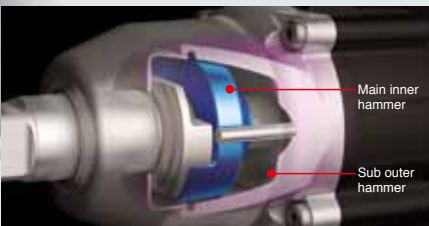
*The values in this chart were measured under Panasonic measuring condition and are provided only for reference purpose. Actual tightening torque may vary with ambient conditions.

Shut-Off Mechanical Pulse – High Torque



18V EYFNA1
21.6V EYFPA1

Shut-off torque range	70 ~ 650Nm
Max. torque in Free mode	750Nm



Double-hammer



Well balanced compact design

High power in compact body

High efficient double-hammer unit made high power and compact size compatible.

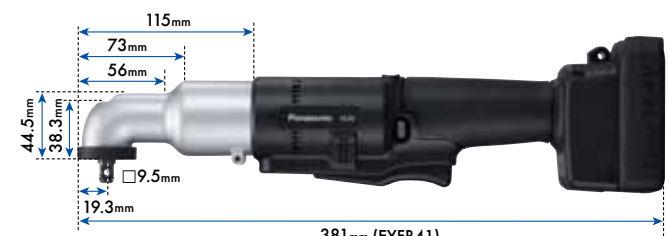
Shut-Off Mechanical Pulse – Right Angle



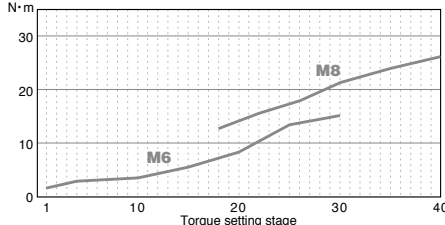
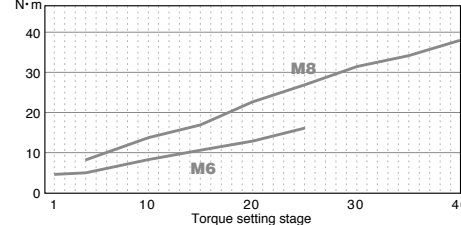
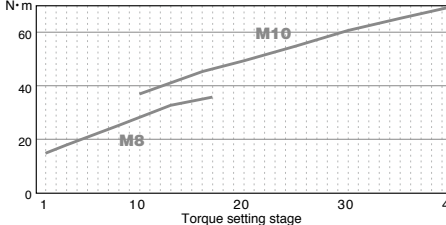
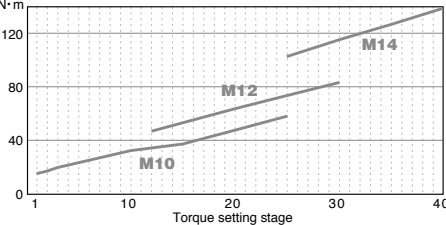
14.4V EYFME1

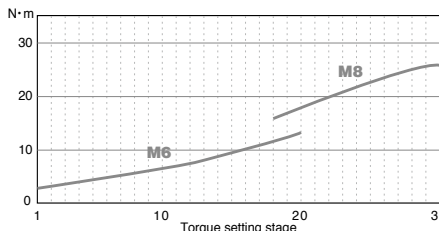
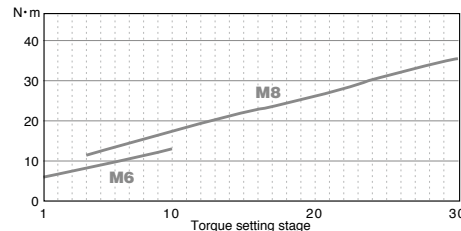
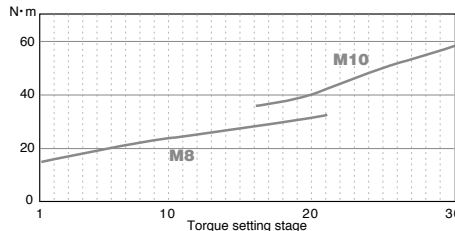
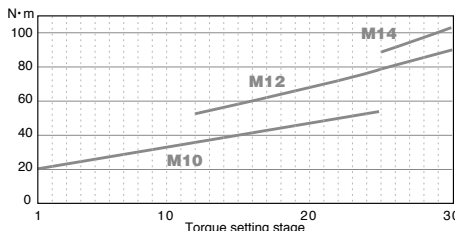
Shut-off torque range	10 ~ 53Nm
Max. torque in Free mode	80Nm

Makes single hand and long reach applications easier with 360-degree rotation head.

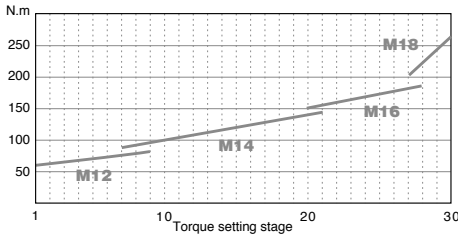
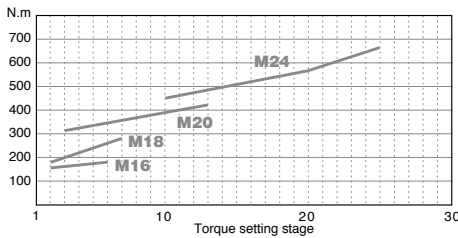


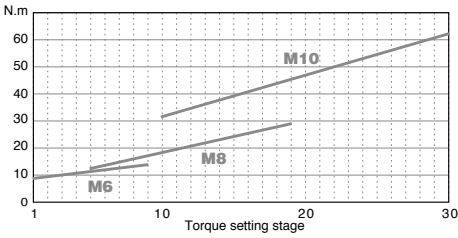
360° Rotating Head (90°step)

		High Spec Shut-Off Mechanical Pulse						High Spec Shut-Off Mechanical Pulse					
Voltage		10.8V						10.8V		14.4V			
Stand-alone Model #		EYFLA7A		EYFLA8A	EYFLA8C	EYFLA8P			EYFLA9C	EYFLA9P	EYFMA2C	EYFMA2P	
Radio / Wireless Model # 2-WAY communication		EYFLA7AR		EYFLA8AR	EYFLA8CR	EYFLA8PR			EYFLA9CR	EYFLA9PR	EYFMA2CR	EYFMA2PR	
Product shape		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.				Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.			
Drive		Type A 1/4" Hex quick change 		Type A 1/4" Hex quick change 	Type C 9.5mm Sq. with C-ring & pin hole 	Type P 9.5mm Sq. with pin detent 			Type C 12.7mm Sq. with C-ring & pin hole 	Type P 12.7mm Sq. with pin detent 	Type C 12.7mm Sq. with C-ring & pin hole 	Type P 12.7mm Sq. with pin detent 	
Shut-off torque range *		3-22 N·m		6-30 N·m						20-60 N·m		25-120 N·m	
Max. torque *		35 N·m (M10 bolt)		80 N·m (M14 bolt)						120 N·m (M14 Tensile bolt)		185 N·m(M16 Tensile bolt)	
Torque setting		40 stage + F (without torque setting mode)								40 stage + F (without torque setting mode)			
Tightening Torque Chart (for reference use)													
Flush detection mode		7 stages (L1 ~ L7)								7 stages (L1 ~ L7)			
No loadrotation speed * (stage / min ⁻¹) Pulses per minute *(ppm)			No loadrotation speed	Pulses per minute		No loadrotation speed	Pulses per minute			No loadrotation speed	Pulses per minute	No loadrotation speed	Pulses per minute
		stage1	0-950 min ⁻¹	0-1,800 ppm	stage1	0-1,300 min ⁻¹	0-2,400 ppm			0-2,300 min ⁻¹	0-2,800 ppm	0-2,300 min ⁻¹	0-2,900 ppm
		stage2	0-1,250 min ⁻¹	0-2,250 ppm	stage2	0-1,450 min ⁻¹	0-2,500 ppm						
		stage3	0-1,450 min ⁻¹	0-2,500 ppm	stage3	0-1,550 min ⁻¹	0-2,800 ppm						
		stage4~8	0-1,550 min ⁻¹	0-2,950 ppm	stage4-40•F	0-2,300 min ⁻¹	0-3,300 ppm						
		stage9-40•F	0-2,300 min ⁻¹	0-3,600 ppm									
Weight with battery pack *		1.3 kg / EYFB33B (3.8Ah), 1.15kg / EYFB32B (2Ah)		1.35 kg / EYFB33B (3.8Ah), 1.15 kg / EYFB32B (2Ah)						1.5 kg / EYFB33B (3.8Ah), 1.3 kg / EYFB32B (2Ah)		1.65 kg / EYFB43B (4Ah), 1.4 kg / EYFB41B (2Ah)	
Size *	Lengh	153 mm			162 mm					172 mm			
	Height	249 mm / EYFB33B, 231 mm / EYFB32B								250mm / EYFB33B, 232mm / EYFB32B		250mm / EYFB43B, 232mm / EYFB41B	
	Width	59 mm (body), 75mm (battery pack)								59 mm (body), 75mm (battery pack)			
Functions	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutres)								√ (ON/OFF switch, light turns off automatically after five minutres)			
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)								√ (Green : OK / Red : NOK)			
	Battery Level LED	√ (3 stages)								√ (3 stages)			
	Soft Start	n/a								n/a			
	Reverse Start	√ (360°reverse start)								√ (360°reverse start)			
	Variable Speed On / Off	√								√			
	Remote Mode Setting	√								√			
Features		See page 13-14 for details								See page 13-14 for details			
Optional Accessory		See page 33-34								See page 33-34			
Work capacity *	Bolt size / Fastening speed	M6 / 0.7 sec		M8 / 0.8 sec						M10 / 0.7 sec		M12 / 0.8 sec	
	Torque setting stage	Stage 22 / 10 Nm		Stage 22 / 23 Nm						Stage 15 / 43 Nm		Stage 22 / 71 Nm	
	Fastenings / full charge	1,400 pcs / 3.8Ah, 800 pcs / 2Ah		1,100 pcs / 3.8Ah, 540 pcs / 2Ah						660 pcs / 3.8Ah, 150 pcs / 2Ah		510 pcs / 4Ah, 270 pcs / 2Ah	
Battery pack charting time * (Charger : EY0L82B)		EYFB33B 3.8Ah : usable 50 min / full 60 min, EYFB32B 2Ah : usable 35 min / full 40 min								EYFB33B 3.8Ah : usable 50 min / full 60 min, EYFB32B 2Ah : usable 35 min / full 40 min		EYFB43B 4Ah : usable 45 min / full 60 min, EYFB41B 2Ah : usable 35 min / full 40 min	

		Shut-Off Mechanical Pulse					Shut-Off Mechanical Pulse			
Voltage		10.8V					10.8V		14.4V	
Stand-alone Model #		EYFLA4A	EYFLA5A	EYFLA5B	EYFLA5Q		EYFLA6B	EYFLA6J	EYFMA1B	EYFMA1J
Radio / Wireless Model # 1-WAY communication		EYFLA4AR	EYFLA5AR	-	EYFLA5QR		-	EYFLA6JR	-	EYFMA1JR
Product shape		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.	Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.			Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.	Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.			
Drive		Type A 1/4" Hex quick change 	Type A 1/4" Hex quick change 	Type B 9.5mm Ball-detent 	Type Q 9.5mm Sq. drive Pin-hole 		Type B 12.7mm Ball-detent 	Type J 12.7mm Sq. drive Pin-hole 	Type B 12.7mm Ball-detent 	Type J 12.7mm Sq. drive Pin-hole 
Shut-off torque range *		3-22 N·m		6-30 N·m			16-53 N·m		25-100 N·m	
Max. torque *		40 N·m (M10 bolt)		90 N·m (M14 bolt)			120 N·m (M14 bolt)		185 N·m(M16 bolt)	
Torque setting		30 stage + F (without torque setting mode)					30 stage + F (without torque setting mode)			
Tightening Torque Chart (for reference use)										
Flush detection mode		L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications					L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications			
No loadrotation speed * (stage / min ⁻¹) Pulses per minute *(ppm)			No loadrotation speed Pulses per minute		No loadrotation speed Pulses per minute		No loadrotation speed Pulses per minute	No loadrotation speed Pulses per minute	No loadrotation speed Pulses per minute	No loadrotation speed Pulses per minute
		stage1	0-950 min ⁻¹ 0-1,900 ppm	stage1	0-1,300 min ⁻¹ 0-2,500 ppm		0-2,300 min ⁻¹ 0-3,000 ppm		0-2,300 min ⁻¹ 0-3,200 ppm	
		stage2	0-1,300 min ⁻¹ 0-2,500 ppm	stage2	0-1,450 min ⁻¹ 0-2,800 ppm					
		stage3	0-1,450 min ⁻¹ 0-2,800 ppm	stage3	0-1,550 min ⁻¹ 0-3,000 ppm					
		stage4~8	0-1,550 min ⁻¹ 0-3,000 ppm	stage4-40•F	0-2,300 min ⁻¹ 0-3,600 ppm					
Weight with battery pack *		1.3 kg / EYFB33B (3.8Ah) , 1.15kg / EYFB32B (2Ah)		1.35 kg / EYFB33B (3.8Ah), 1.15kg / EYFB32B (2Ah)			1.4 kg / EYFB33B (3.8Ah), 1.25 kg / EYFB32B (2Ah)		1.5 kg / EYFB43B (4Ah), 1.3 kg / EYFB41B (2Ah)	
Size *	Lengh	153 mm			164 mm		172 mm			
	Height	248 mm / EYFB33B, 231 mm / EYFB32B					248mm / EYFB33B, 231mm / EYFB32B		248mm / EYFB43B, 231mm / EYFB41B	
	Width	59 mm (body), 75mm (battery pack)					59 mm (body), 75mm (battery pack)			
Functions	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutres)					√ (ON/OFF switch, light turns off automatically after five minutres)			
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)					√ (Green : OK / Red : NOK)			
	Battery Level LED	√ (3 stages)					√ (3 stages)			
	Soft Start	n/a					n/a			
	Reverse Start	n/a					n/a			
	Variable Speed On / Off	√					√			
	Remote Mode Setting	√					√			
Features		See page 13-14 for details					See page 13-14 for details			
Optional Accessory		See page 33-34					See page 33-34			
Work capacity *	Bolt size / Fastening speed	M6 / 0.7 sec		M8 / 0.8 sec			M10 / 0.9 sec		M12 / 0.9 sec	
	Torque setting stage	Stage 19 / 10 Nm		Stage 22 / 23 Nm			Stage 23 / 43 Nm		Stage 22 / 71 Nm	
	Fastenings / full charge	1,400 pcs / 3.8Ah, 800 pcs / 2Ah		1,100 pcs / 3.8Ah, 540 pcs / 2Ah			650 pcs / 3.8Ah, 330 pcs / 2Ah		670 pcs / 4Ah, 350 pcs / 2Ah	
Battery pack charting time * (Charger : EYOL82B)		EYFB33B 3.8Ah : usable 50 min / full 60 min, EYFB32B 2Ah : usable 35 min / full 40 min					EYFB33B 3.8Ah : usable 50 min / full 60 min, EYFB32B 2Ah : usable 35 min / full 40 min		EYFB43B 4Ah : usable 45 min / full 60 min, EYFB41B 2Ah : usable 35 min / full 40 min	

* : Numbers are approx. ** : EYFR02/03/04 ZigBee controller. Ask distributor for details. √ : Available

Shut-Off Mechanical Pulse / High Torque			
Voltage		18V	21.6V
Stand-alone Model #		EYFNA1J	EYFPA1J
Radio / Wireless Model #		-	-
Product shape		 Brushless Motor Battery pack is sold separately.	 Brushless Motor Battery pack is sold separately.
Drive		Type J 12.7mm Sq. drive Pin-hole 	Type J 19mm Sq. drive Pin-hole 
Shut-off torque range *		70-200 N·m	160-650 N·m
Max. torque *		470 N·m (M24 Tensile bolt, F mode, fastening 3sec.) 520 N·m (M24 Tensile bolt, F mode, fastening 5sec.)	700 N·m (M24 Tensile bolt, F mode, fastening 3sec.) 750 N·m (M24 Tensile bolt, F mode, fastening 5sec.)
Torque setting		30 stage + F (without torque setting mode)	
Tightening Torque Chart (for reference use)			
Flush detection mode		L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
No load rotation speed * (stage / min ⁻¹)		0 - 1,900 min ⁻¹	0 - 1,900 min ⁻¹
Pulses per minute * (ppm)		0-2,200 ppm	0-2,200 ppm
Weight with battery pack *		3 kg / EYFB50B (5Ah)	3.6 kg / EYFB61B (4Ah)
Size *	Lengh	233 mm	250 mm
	Height	286 mm / EYFB50B	295 mm / EYFB61B
	Width	77 mm (body), 76mm (battery pack)	77 mm (body), 77mm (battery pack)
Functions	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutres)	
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)	
	Battery Level LED	√ (3 stages)	
	Soft Start	n/a	
	Reverse Start	√ (360°reverse start)	
	Variable Speed On / Off	√	
	Remote Mode Setting	√	
Features		See page 13-14 for details	
Optional Accessory		See page 33-34	
Work capacity *	Bolt size / Fastening speed	M12 / 1sec	M16 / 0.7 sec
	Torque setting stage	Stage 13 / 100 Nm	Stage 6 / 180 Nm
	Fastenings / full charge	500 pcs / 5Ah	380 pcs / 4Ah
Battery pack charting time * (Charger : EY0L82B)		EYFB50B 5Ah : usable 65 min / full 80 min	EYFB61B 5Ah : usable 65 min / full 75 min

Shut-Off Mechanical Pulse / Right Angle		
Voltage		14.4V
Stand-alone Model #		EYFME1C
Radio / Wireless Model #		-
Product shape		 Brushless Motor Battery pack is sold separately.
Drive		Type C 9.5mm Sq. with C-ring & pin hole 
Shut-off torque range *		10-53 N·m
Max. torque *		80 N·m (M12 , F mode, fastening 3sec.)
Torque setting		30 stage + F (without torque setting mode)
Tightening Torque Chart (for reference use)		
Flush detection mode		L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications
No load rotation speed * (stage / min ⁻¹)		0 - 2,300 min ⁻¹
Pulses per minute * (ppm)		0-3,500 ppm
Weight with battery pack *		1.7 kg / EYFB43B (4Ah), 1.5 kg / EYFB41B (2Ah)
Size *	Lengh	399mm / EYFB43B, 381mm / EYFB41B
	Height	96 mm (body), 101mm (battery pack)
	Width	60 mm (body), 75mm (battery pack)
Functions	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutres)
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)
	Battery Level LED	√ (3 stages)
	Soft Start	n/a
	Reverse Start	√ (360°reverse start)
	Variable Speed On / Off	√
	Remote Mode Setting	√
Features		See page 13-14 for details
Optional Accessory		See page 33-34
Work capacity *	Bolt size / Fastening speed	M10 / 2.2 sec
	Torque setting stage	Stage 25 / 53 Nm
	Fastenings / full charge	220 pcs / 4Ah, 120 pcs / 2Ah
Battery pack charting time * (Charger : EY0L82B)		EYFB43B 4Ah : usable 45 min / full 60 min, EYFB41B 2Ah : usable 35 min / full 40 min

Geared angle head for selected Panasonic mechanical pulse tools

Thin head
head thickness (17mm)

Attachment for narrow application
17* mm
*With protector

Angle adjustable according to applications
Can freely be adjusted depending on operation posture or positions

EYFA53
EYFME1
EYFA51
EYFLA9

Reverse mode
With Forward/Reverse switch of the tool, untightening operation can easily be done.

4 model lineups for selected mechanical pulse tools

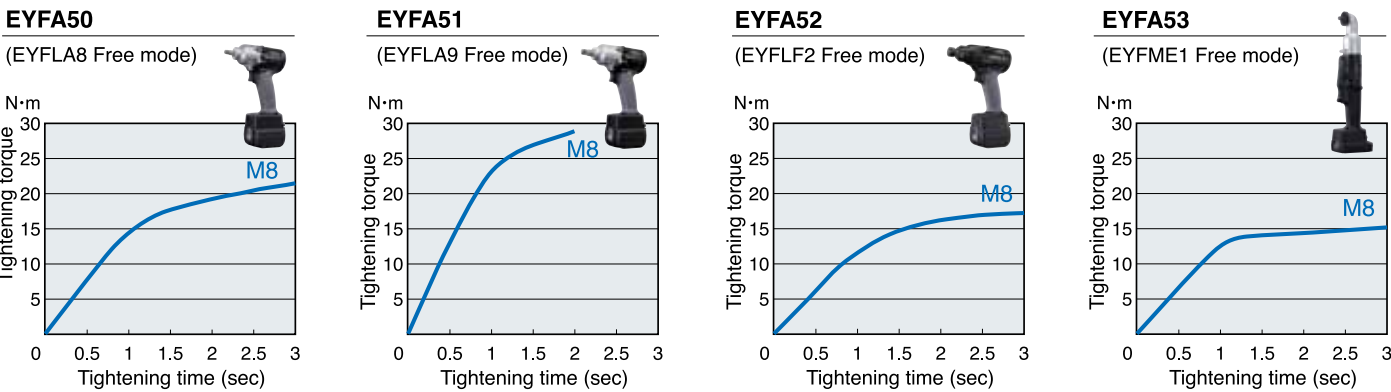


- EYFA50** for mechanical pulse **EYFLA8C**
- EYFA51** for mechanical pulse **EYFLA9C**
- EYFA52** for mechanical pulse **EYFLF2XC**
- EYFA53** for mechanical pulse **EYFME1C**

Specification			*numbers are approx.
Performance (Bolt dia.)	M8 (Normal to Tensile bolt)	EYFA50, EYFA51	
	M8 (Normal bolt)	EYFA52, EYFA53	
Output side dimension	Dia.12mm		
Input side dimension	EYFA50, 52, 53	□9.5mm	
	EYFA51	□12.7mm	
Max. torque*	EYFA50 (with EYFLA8)	19N・m (3 sec)	
	EYFA51 (with EYFLA9)	26N・m (2 sec)	
	EYFA52 (with EYFLF2)	15N・m (3 sec)	
	EYFA53 (with EYFME1)	14N・m (3 sec)	
Performance・Speed*	EYFA50 (with EYFLA8)	170 settings, 3 sec/setting (EYFB30)	
		110 settings, 3 sec/setting (EYFB32)	
	EYFA51 (with EYFLA9)	150 settings, 2 sec/setting (EYFB30)	
		100 settings, 2 sec/setting (EYFB32)	
	EYFA52 (with EYFLF2)	230 settings, 3 sec/setting (EYFB30)	
		145 settings, 3 sec/setting (EYFB32)	
	EYFA53 (with EYFME1)	270 settings, 3 sec/setting (EYFB43)	
		130 settings,3 sec/setting (EYFB41)	
Weight (attachment only, with protector)	EYFA50	710g	
	EYFA51	700g	
	EYFA52	710g	
	EYFA53	700g	

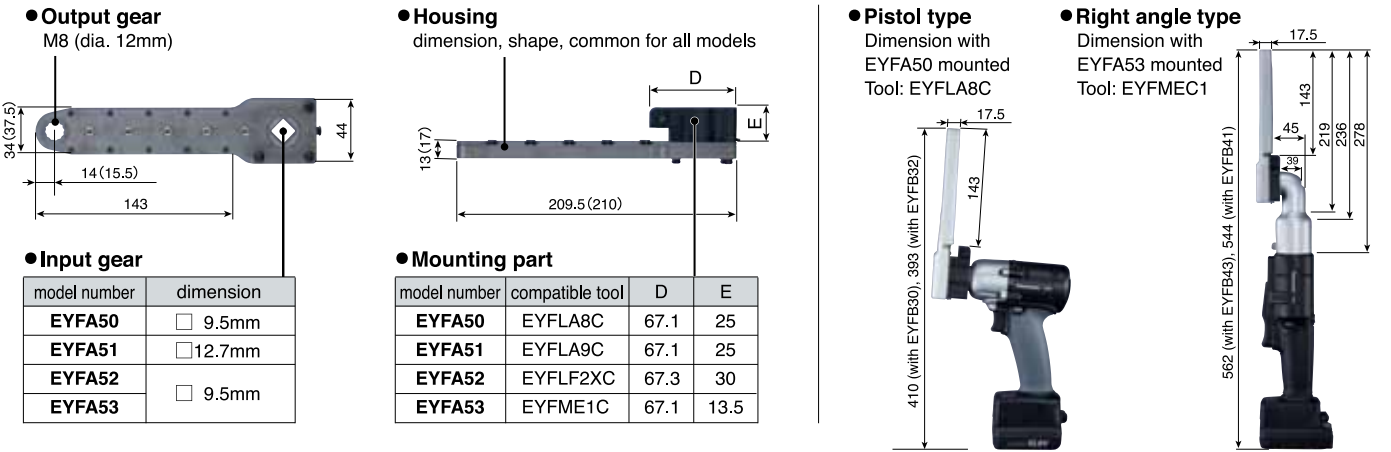
* The data are reference values based on our measurement conditions.

Tightening torque reference chart



Dimension

*() value with protector *Dimension unit: mm *numbers are approx.



High Accuracy ±10%・Cmk≥1.67 (ISO5393)

* In 3Nm range. Measured with the maximum RPM setting.

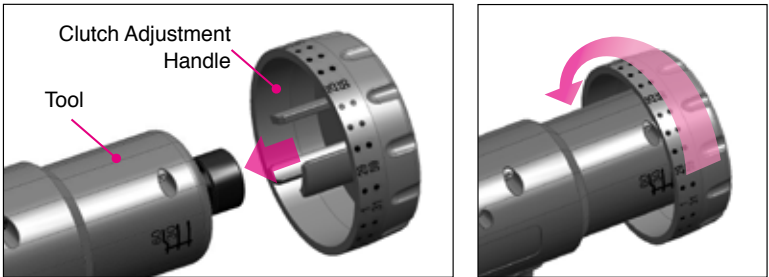
14.4V EYFGA1, 2, 3

Shut-off torque range 2 ~ 10Nm



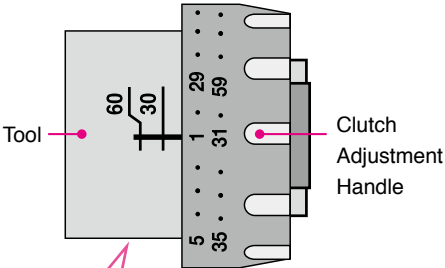
Accurate and Easy 60 Stage Adjustable Clutch

Rotating the clutch adjustment handle clockwise to increase torque and counter clockwise to decrease torque



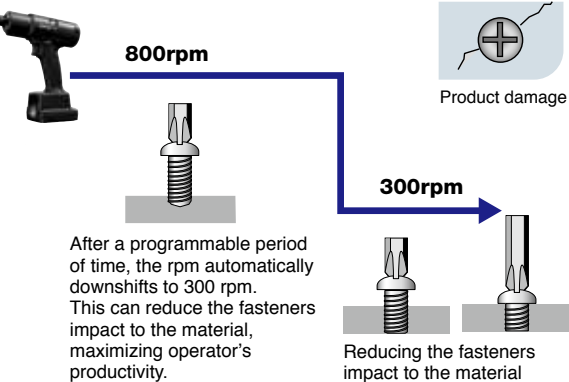
①Insert the clutch adjustment handle into the nose of the tool
②Turn and set

Clutch stage “1”



Quickly set the torque by adjusting the scale

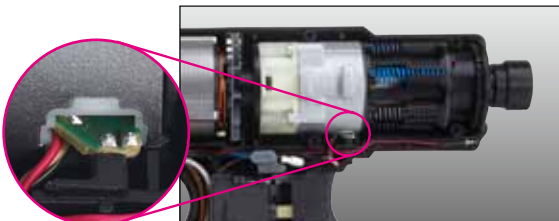
Auto Downshift Function

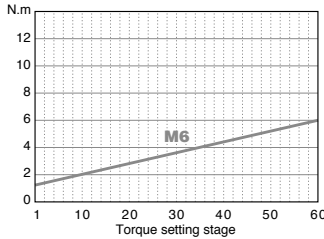
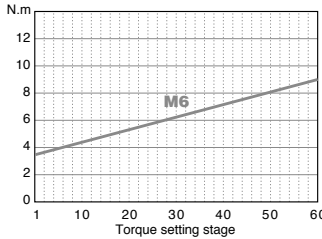
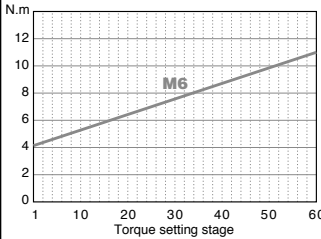


Durable Design

Long Life Clutch with Photo Interrupter Sensor

The Photo Interrupter Sensor, which senses the clutch plate movement, increases clutch life by not relying on mechanical contacts that wear.



		Clutch Screwdriver					
Voltage		14.4V					
Stand-alone Model #		EYFGA1A		EYFGA2A		EYFGA3A	
Radio / Wireless Model # 1-WAY communication		EYFGA1AR		EYFGA2AR		EYFGA3AR	
Product shape		Wireless Controller ** EYFR02 ** EYFR03 ** EYFR04  Brushless Motor Battery pack is sold separately.					
Chuck size		1/4" Hex quick change chuck					
Clutch torque *		2-5.5 N·m		5-8 N·m		5-10 N·m	
Clutch setting stage *		1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)		1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)		1 - 60, Total 60 stages (Approx. 0.13 N·m per stage)	
Torque accuracy		±10%·Cmk 1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In 3N·m range)					
Tightening Torque Chart (for reference use)							
No load rotation speed * (stage / min ⁻¹)		0-800 min ⁻¹		0-750 min ⁻¹		0-450 min ⁻¹	
Weight with battery pack *		1.5 kg / EYFB43B(4Ah) 1.25 kg / EYFB41B(2Ah)				1.55 kg / EYFB43B(4Ah) 1.3 kg / EYFB41B(2Ah)	
Size *	Length	199 mm					
	Height	249mm / EYFB43B, 232mm / EYFB41B					
	Width	54 mm (body), 75mm (battery pack)					
Other main Specifications	Rotation speed adjustment (Max.RPM)	√ (Possible to choose the Max.RPM setting. GA1:150-800 rpm / GA2:150-750 rpm / GA3:150-450 rpm. 10RPM per stage)					
	Auto downshift function	√ (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)					
	Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)					
	Rundown error detecting function	√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)					
	Maintenance interval alarm function	√ (Possible to set between 0 - 990,000 times. 10,000 times per stage)					
	Auto battery shut down	√		√		√	
	LED Work Light	√ (ON/OFF switch, light turns off automatically after five minutes)					
	OK/NOK LED, Buzzer	√ (Green : OK / Red : NOK)					
	Battery Level LED	√ (3 stages)					
	Soft Start	n/a		n/a		n/a	
	Reverse Start	√ (360°reverse start)					
	Variable Speed On / Off	√		√		√	
Remote Mode Setting	√		√		√		
Optional Accessory		See page 33-34					
Work capacity *		<Hard Joint>	<Soft Joint>	<Hard Joint>	<Soft Joint>	<Hard Joint>	<Soft Joint>
	Bolt size / Fastening speed	M6 / 1.1 sec	M6 / 1.3 sec	M6 / 1.0 sec	M6 / 1.3 sec	M6 / 1.0 sec	M6 / 1.4 sec
	Torque setting stage	5.5 Nm	5.5 Nm	8 Nm	8 Nm	10 Nm	10 Nm
	Fastenings / full charge	2,320 pcs / 3Ah 1,200 pcs / 2Ah	1,070 pcs / 3Ah 540 pcs / 2Ah	2,020 pcs / 3Ah 1,050 pcs / 2Ah	860 pcs / 3Ah 410 pcs / 2Ah	2,150 pcs / 3Ah 1,100 pcs / 2Ah	620 pcs / 3Ah 310 pcs / 2Ah
Battery pack charting time * (Charger : EYOL82B)		EYFB43B 4Ah : usable 45 min / full 60 min EYFB41B 2Ah : usable 35 min / full 40 min					

* : Numbers are approx. ** : EYFR02/03/04 ZigBee controller. Ask distributor for details. √ : Available

High Accuracy $\pm 10\%$ · $Cmk \geq 1.67$ (ISO5393/VDI2467)
7.2V Compact and light-weight 630g shut-off screwdriver



T-Shape body
The minimal compact size and weight of EYFEA2 can greatly reduce operator fatigue. The well balanced 'T-shape' body and slim grip increase comfort and handling for the operator.



Clutch lock cover (WEYFEA2N3137)
Clutch lock cover prevents the operator from changing clutch setting by mistake.

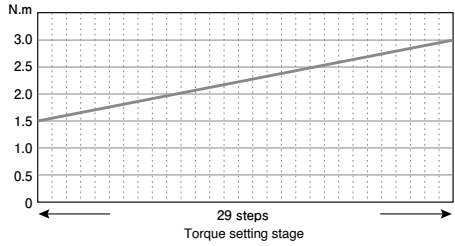


LED Work light
Operation in dimly lit areas is improved with the built in LED work light.

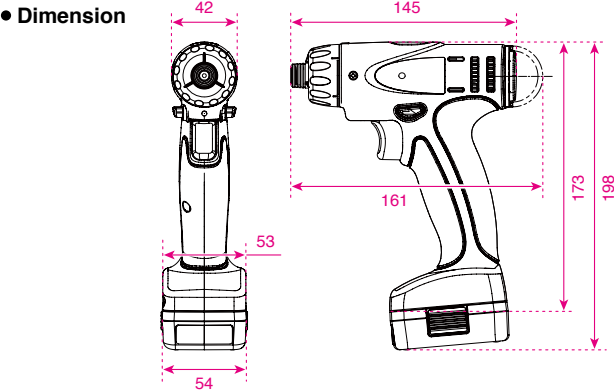


Built-in tool hanger
EYFEA2 is also equipped with a built-in tool hanger. This makes serial downward operation of the tool easier and more convenient when hung from a balancer.



Clutch Screwdriver		
Voltage	7.2V	
Model #	EYFEA2N	
Product shape	 Clutch lock cover WEYFEA2N3137 Battery pack is sold separately.	
Chuck size	1/4" Hex quick change chuck	
Clutch torque *	1.5 - 3.0 N.m	
Torque accuracy	$\pm 10\%$ · $Cmk \geq 1.67$ (Compliant with ISO5393/VDI2467)	
No load rotation speed *	0 - 300 min ⁻¹	
Tightening Torque Chart (for reference use)		
Size *	Lengh	145 mm
	Height	198 mm
	Width	42 mm
Weight with battery pack *		0.63kg
Functions	Auto shut-off	√
	Auto battery shut-down	√
	LED Work light	√
	Electric brake	√
	Clutch setting protection	√ (Clutch lock cover)
Standard accessory		Clutch lock cover : WEYFEA2N3137
Optional Accessory		See page 33-34
Work capacity *	Fastenings / full charge	Screws in Sheet Metal (M4 x 10mm): 1,300 pcs
Battery pack charging time * (Charger : EY0L20B)		EY8L0719FA 1.9Ah : usable 40 min / full 55 min

* : Numbers are approx. √ : Available



Clutch Screwdriver			
Voltage		7.2V	
Model #		EYFEA1F07W	EYFEA1N
Product shape		(Kit with battery pack and charger) 	(Tool only) 
Chuck size		1/4" Hex quick change chuck	
Clutch torque *		High: 0.3 N·m-2.0 N·m (stage 1-10, 0.19 N·m per stage) Low: 0.3 N·m-4.0 N·m (stage 1-21, 0.19 N·m per stage)	
Max. torque *		High: 2.0 N·m, Low: 6.0 N·m	
No load rotation speed * (stage / min ⁻¹)		Low: 300 min ⁻¹ , High: 900 min ⁻¹	
Weight with battery pack *		0.63kg	
Size *	Lengh	145 mm	
	Height	198 mm	
	Width	42 mm	
Features		• Auto Shut-Off Function • Auto-Power Stop Function • LED Light • Clutch & H/L switch lock cover • Electronic brake	
Optional Accessory		See page 33-34	
Max. screws driving		High mode: M4 screw, Low mode: M5 screw	
Work capacity *	Fastening	Screws in Sheet Metal (M2.5 x 6mm), High: 2,650 pcs Screws in Sheet Metal (M4 x 10mm), High: 2,500 pcs Screws in Sheet Metal (M5 x 8mm), Low: 2,000 pcs	
Battery pack charting time * (Charger : EY0L20B)		EY8L0719FA 1.9Ah : usable 40 min / full 55 min	

7.2V compact, lightweight and fatigueless shut-off screwdriver



T shape body
User-friendly size and weight of EYFEA1N can reduce operator fatigue. Well balanced T shape body and slim grip also improve operator acceptance.



Clutch & High/Low switch lock cover
Clutch & High/Low switch lock cover prevents the operator from changing clutch setting or RPM setting by mistake.



LED light
Operation in dimly lit areas is improved with the built in LED light.



Built-in tool hanger

Clutch Screwdriver			
Voltage		3.6V	
Model #		EY7410F03D	EY7411F03J
Product shape		(Kit with battery pack and charger) 	(Kit with battery pack and charger)  Screw counter
Chuck size		1/4" Hex quick change chuck	
Clutch torque *		0.3-2.9 N·m (0.1 N·m per stage, total 21 stage)	
Max. torque *		Low: 4.4 N·m, High: 1.5 N·m	
No load rotation speed * (stage / min ⁻¹)		Low: 200 min ⁻¹ , High: 600 min ⁻¹	
Weight with battery pack *		0.5 kg	
Size *	Lengh (Straight shape)	276 mm	283 mm
	Height	134 mm	148 mm
	Width	46 mm	
Features		• Cap for clutch lock out • LED work light	• Cap for clutch lock out • LED work light • Scrrww count function
Optional Accessory		See page 33-34	
Work capacity *	Fastening	Wood Screws in Yellow Pine ø3.1 x 13 mm 750 pcs Screws in Sheet Metal (pre-hole) M5 x 8 mm 1,250 pcs	
	Drilling	Holes in SPC t=1 mm, ø2 110 pcs	
Battery pack charting time * (Charger : EY0L11B)		EY8L0319FA 1.9Ah : usable 20 min / full 35 min	

3.6V straight or pistol shape convertible shut-off screwdriver



Speedy, robust and accurate fastening in one versatile compact body



Easy to operate! Lightweight/compact
It's easier to place in tool bags because of the short grip, and it is easy to carry around.



Auto Shut-off Clutch mechanism technology
“Auto Shut-off Clutch” extends battery and clutch life by immediately stopping rotation once selected torque setting is reached

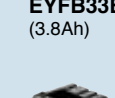
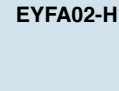


LED light
Operation in dimly lit areas is improved with the built in LED light.

* : Numbers are approx. √ : Available

* : Numbers are approx. √ : Available

Tool & Accessory Compatibility Chart

Model		Tool Protector	Optional Accessory		Wireless Controller	Battery Pack	Pack Protector	Charger	
21.6V	 EYFPA1	 EYFA07 -A (blue) -Y (yellow) -H (gray) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA41B	—	 EYFB61B (4.0Ah)	 EYFA08-H		
18V	 EYFNA1	 EYFA09 -A (blue) -Y (yellow) -H (gray) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA41B		 EYFB50B (5.0Ah)	 EYFA10-H		
	 EYFNH2	 EYFA16 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Tool Hanger EYFA41B	 USB cable (1m) EYFMH1XL701W					
14.4V	 EYFMH3 EYFMH4	 EYFA14 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Tool Hanger EYFA40B	 USB cable (1m) EYFMH1XL701W	 * EYFR02  * EYFR03 * EYFR04 * EYFR02/03/04 ZigBee controller. Ask distributor for details.			 EY0L82B	
	 EYFMA1	 EYFA01 -A (blue) -Y (yellow) -H (gray) -G (green)	 Remote Control EYFA31B			 EYFB43B (4.0Ah)	 EYFA04-H		
	 EYFMA2	 EYFA13 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA40B					
	 EYFGA1 EYFGA2 EYFGA3	 EYFA05 -A (blue) -Y (yellow) -H (gray)	 Remote Control EYFA31B	 Tool Hanger EYFA40B		 Clutch Adjustment Handle EYFA32B	 EYFB41B (2.0Ah)		 EYFA06-H
	 EYFMF1	 EYFA15 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA40B					
	 EYFME1	 EYFA12 -A (blue) -Y (yellow) -H (gray) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA41B		—			
	10.8V	 EYFLA4 EYFLA5 EYFLA6	 EYFA01 -A (blue) -Y (yellow) -H (gray) -G (green)	 Remote Control EYFA31B			 * EYFR02		 EYFB33B (3.8Ah)
 EYFLA7 EYFLA8 EYFLA9		 EYFA13 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA40B	 * EYFR03 * EYFR04	 EYFB32B (2.0Ah)	 EYFA03-H		
 EYFLF1 EYFLF2		 EYFA15 -A (blue) -Y (yellow) -H (gray) -D (orange) -G (green)	 Remote Control EYFA31B	 Tool Hanger EYFA40B	 * EYFR02/03/04 ZigBee controller. Ask distributor for details.				
 EYFEA1 EYFEA2				 (Built-In Tool Hanger)	 Protector for Tool WEYFEA1N3137	—	 EY8L0719FA (1.9Ah)	 EY0L20B	
7.2V					—		—		
3.6V	 EY7410  EY7411			 Protector for Tool EY9X007		 EY8L0319FA (1.9Ah)		 EY0L11B	