

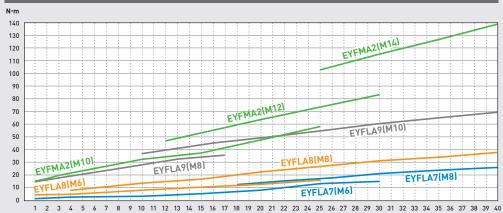
Advanced Features

	High Torque Mechanical Pulse			AccuPulse HR								
	EYNA1P/J/C	EYFPA1J	EYNA1PRT/JRT/CRT	EYFPA1JRT	EYFLA7A	EYFLA8A/P/C	EYFLA9P/C	EYFMA2P/C	EYFLA7AR	EYFLA8AR/PR/CR	EYFLA9PR/CR	EYFMA2PR/CR
2-Way Radio Communication			•	•					•	•	•	•
Cross Thread Reduction	•	•	•	•	•	•	•	•	•	•	•	•
Cross Thread /Rehit Detection	•	•	•	•	•	•	•	•	•	•	•	•
Retightening Prevention Function	•	•	•	•	•	•	•	•	•	•	•	•
Variable Speed Control Function	•	•	•	•	•	•	•	•	•	•	•	•
Maintenance Interval Alarm	•	•	•	•	•	•	•	•	•	•	•	•
Flush Detection Delay					•	•	•	•	•	•	•	•
Socket Extension Mode					•	•	•	•	•	•	•	•
Out-of-Range Disable Function			•	•					•	•	•	•

Some models limited to particular region.

Variable speed control function: Models with "O" don't have ON/OFF setting.

Tightening Torque Chart (for Reference Use)



Torque Setting Stage

The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

Advanced Programmable Features



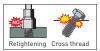
Cross Thread Reduction

Cross Thread Reduce
The tool first reverses 360 degrees, aligning the threads, greatly reducing the possibility of cross threads.

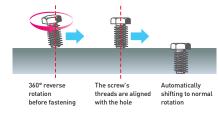


Cross Thread / **Rehit Detection**

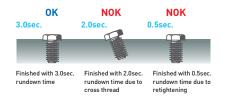
If the shut-off is activated before the programmable minimum runtime, tool alerts the operator to a NOK fastening.



Reverse Rotation!



• Example with 3.0sec. normal time setting





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.





Maintenance Interval Alarm

When the total fastening times are within 10,000 of the preset maintenance interval, the display blinks notifying the operator. Once tool reaches the preset interval, tool is locked out from further use. This function can be set to ON or OFF and is defined in 10,000 increment cycles. (Number of settings: 0-990,000 pcs.)



Flush Detection Detay
This feature delays Flush Torque Detection mode and ignores loads for a selected time period.

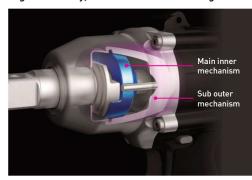


Socket Extension Mode

Socket Extension From
This feature adjusts tool's RPM during pulsing to

AccuPulse HR Technology

High-Efficiency, Double Mechanism Design*



High efficiency twin mechanism design delivers high power while reducing tool size, noise, vibration for reduced operator fatigue



*Double Mechanism Design in EYFLA9/EYFMA2

AccuPulse Advanced Technology

1 High Resolution Encoder

Senses motor rotation angle precisely and detects flush point accurately.

2 7-Stage Snug Point Detection Mode

L1-L7 Flush Point Detection enables accurate fastening on a variety of joints.

3 Consistent Pulse Control

The power of each pulse is kept consistent regardless of remaining battery capacity, minimizing variation in torque.







280 unique torque controlled algorithms - 40 stages in each mode L1 - L7.

35 34

AccuPulse HR & AccuPulse QP Technology

Improved soft joint performance Torque **Torque Calculation Mode** 7-Stage Flush Point Detection Mode Target torque for varying joint types L1: For applications with light loads Flush Point Detection Mode setting **Snug Point** before flush point L2-L7: For applications with heavy loads varying joint rate between flush and snug L5 Flush Point Detection Mode Calculation of applied torque towards snug point If the tool does not reach snug torque and stops before snug point select a L setting (L3~L7)

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
- 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 Pulse Control ♠ Consistent Pulse Control 2 Auto Battery Shut Down The power of each pulse is kept consistent Before battery power becomes regardless of remaining battery capacity, too low to maintain torque, tool minimizing variation in torque. shuts down automatically. Consistent torque Setting torque Auto Battery **Tool without Consistent** shut down **Pulse Control** Battery Capacity 100~40% 40~20% Less than 20% Time to / Auto battery Battery indication - shut down charge lamp ` indication

More Features



Tool Hanger

Tool can be hung on the balancer both right side up or upside down.



Tightening Confirmation Lamp Green light indicates tightening



Needle Bearings

Needle bearings on the output shaft reduce vibration and increase tool life



LED Light For operation in



Remote Control Tool setting can be set only by remote









Each tool model is color coded for easy



AccuPulse® HR



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		EYFLA7AR	EYFLA8AR / EYFLA8CR / EYFLA8PR	EYFLA9CR / EYFLA9PR				
Voltage		10.8V						
Series		AccuPulse - HR with 2-Way Communication						
Drive		A = 1/4" Hex Quick Change	A = 1/4" Hex Quick Change C = 3/8" Sq. C-Ring w/ through Hole P = 3/8" Sq. Pin Detent	C = 1/2" Sq. C-Ring w/ through Hole P = 1/2" Sq. Pin Detent				
	Nm	3-22Nm	6-30Nm	20-60Nm				
Torque Range	ft. lbs	2.2-16.2 ft. lbs	4.4-22 ft. lbs	14.75-44.25 ft. lbs				
in. lbs		26.55-194.72 in. lbs	177.01-531.04 in. lbs					
Max Torque* (F mode, tight	ening 3 sec.)	35Nm M10 Bolt	120Nm M14 Bolt					
Flush Detection Mo	odes	L1 - L7						
No Load Speed (Torque Setting: RPM)		1: 0 - 950 2: 0 - 1250 3: 0 - 1450 4 - 8: 0 - 1550 9 - 40 & F: 0 - 2300	1: 0 - 1300 2: 0 - 1450 3: 0 - 1550 4 - 40 & F: 0 - 2300	1-40 & F: 0-2300				
PPM (Pulses Per Min)		1: 0 - 1900 2: 0 - 2500 3: 0 - 2800 4-8: 0 - 3000 9-30 & F: 0 - 4000	1: 0-2500 2: 0-2800 3: 0-3000 4-30 & F: 0-3600	1-40 & F: 0-2800				
Weight		2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))	2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))	2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))				
Size (L x W x H)		6-1/32" x 9-51/64" x 2-61/64" H=9-51/64"(EYFB30B) 9-3/32" (EYFB32B)	8A: 6-1/32" x 9-51/64" x 2-61/64" 8C: 6-3/8" x 9-51/64" x 2-61/64" H=9-51/64" (EYFB30B) 9-3/32" (EYFB32B)	6-49/64" x 9-27/64" x 2-61/64" H=9-27/64" (EYFB30B), 9-9/64" (EYFB32B)				
2-Way Communica	tion	IEEE 802.15.4 (Wireless Communication)						
LED Work Light: (ON/OF	F Switch)	V						
OK/NOK Light: (Green: OK	/ Red: NOK)	V						
Rehit Prevention: (Possible to set per 0.1 sec. between 0-3 sec.)		V						
Battery Indication Lamp	: (3 stage)	v						
Low Power Disab	le	v						
Prevent / Detect Cross Thre	eads & Rehits	V						
Maintenance Interval Alarm		V						
Variable Speed On / Off Switch		v						
Buzzer: On / Off		V						
Flush Point Detection Delay set between 0-3 sec. 0.1 se								
Socket Extension M (h1:150mm socket, h2: for 25								
Work Capacity / Fastening Speed* (EYFB30B) 1200 pcs./pack 0.7		<m6: 10="" 22="" nm,="" stage:=""> [EYFB30B] 1200 pcs./pack 0.7 sec/1pcs. [EYFB32B] 800 pcs./pack 0.7 sec/1pcs.</m6:>	<m8: 22="" 23="" nm,="" stage:=""> (EYFB30B) 800pcs./pack 0.8sec/1pcs. (EYFB32B) 540 pcs./pack 0.8 sec/1pcs.</m8:>	<m10: 15="" 43="" n·m,="" stage:=""> (EYFB30B) 540 pcs/pack 0.7 sec/1pcs. (EYFB32B) 150 pcs/pack 0.7 sec/1pcs.</m10:>				
Charging Time	•	(Battery Pack EYFB30B, Charger EY0L82B) Usable charge: 35 min, Full charge: 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: 35 min, Full Charge: 40 min						

		Usable Charge
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Note: *Approximately

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Type P			Type C Type P	Type P				
EYFMA2CR / EYFMA2PR	EYFLA7A	EYFLA8A / EYFLA8C / EYFLA8P	EYFLA9C / EYFLA9P	EYFMA2C / EYFMA2P				
14.4V		10.8V	14.4V					
AccuPulse - HR	AccuPulse - HR							
C = 1/2" Sq. C-Ring w/ through Hole P = 1/2" Sq. Pin Detent	A = 1/4" Hex Quick Change	A = 1/4" Hex Quick Change C = 3/8" Sq. C-Ring w/ through Hole P = 3/8" Sq. Pin Detent	C = 1/2" Sq. C-Ring w/ through Hole P = 1/2" Sq. Pin Detent	C = 1/2" Sq. C-Ring w/ through Hole P = 1/2" Sq. Pin Detent				
25-120Nm	3-22Nm	6-30Nm	20-60Nm	25-120Nm				
18.44-92.2 ft. lbs	2.2-16.2 ft. lbs	4.4-22 ft. lbs	14.75-44.25 ft. lbs	18.44-92.2 ft. lbs				
221.27-1,106.34 in. lbs	26.55-194.72 in. lbs	53.1-265.52 in. lbs	177.01-531.04 in. lbs	221.27-1,106.34 in. lbs				
185Nm M16 Bolt	35Nm M10 Bolt	80m M14 Bolt	120Nm M14 Bolt	185Nm M16 Bolt				
L1 - L7								
1-40 & F: 0-2300	1: 0 - 950 2: 0 - 1250 3: 0 - 1450 4 - 8: 0 - 1550 9 - 40 & F: 0 - 2300	1: 0 - 1300 2: 0 - 1450 3: 0 - 1550 4 - 40 & F: 0 - 2300	1-40 & F: 0-2300	1-40 & F: 0-2300				
1-40 & F: 0-2900	1: 0 - 1900 2: 0 - 2500 3: 0 - 2800 4-8: 0 - 3000 9-30 & F: 0 - 4000	1: 0-2500 2: 0-2800 3: 0-3000 4-30 & F: 0-3600	1-40 & F: 0-2800	1-40 & F: 0-2900				
3.08 lbs (incl. 2.0Ah (EYFB41B)) 3.52 lbs (incl. 4.0Ah (EYFB43B))	2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))	2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))	2.53 lbs (incl. 2.0Ah (EYFB32B)) 2.86 lbs (incl. 3.0Ah (EYFB30B))	3.08 lbs (incl. 2.0Ah (EYFB41B)) 3.52 lbs (incl. 4.0Ah (EYFB43B))				
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v								
<m12: 22="" 71="" nm,="" stage:=""> [EYFB43B] 510 pcs./pack, 0.8 sec/1pcs. [EYFB41B] 270 pcs./pack, 0.8 sec/1pcs.</m12:>	<m6: 10="" 22="" nm,="" stage:=""> (EYFB30B) 1200 pcs./pack 0.7 sec/1pcs. (EYFB32B) 800 pcs./pack 0.7 sec/1pcs.</m6:>	<m8: 22="" 23="" nm,="" stage:=""> (EYFB30B) 800pcs./pack 0.8sec/1pcs. (EYFB32B) 540 pcs./pack 0.8 sec/1pcs.</m8:>	<m10: 15="" 43="" n·m,="" stage:=""> (EYFB30B) 540 pcs/pack 0.7 sec/1pcs. (EYFB32B) 150 pcs/pack 0.7 sec/1pcs.</m10:>	<m12: 22="" 71="" nm,="" stage:=""> (EYFB43B) 510 pcs./pack, 0.8 sec/1pcs (EYFB41B) 270 pcs./pack, 0.8 sec/1pcs</m12:>				
Battery Pack EYFB41B, Charger EY0L82B) Jasable Charge: 55min, Full Charge: 45 min Battery Pack EYFB41B, Charger EY0L82B Usable charge: 35 min, Full charge: 45 min Battery Pack EYFB41B, Charger EY0L82B Usable charge: 35 min, Full Charge: 40 min Battery Pack EYFB32B, Charger EY0L82B Usable Charge: 35 min, Full Charge: 40 min Usable Charge: 45 min, Full Charge: 40 min Usable Charge: 45 min, Full Charge: 40 min								

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