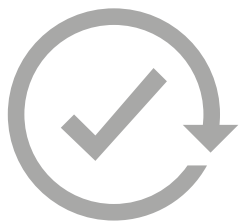




IndustrialTools



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More Than Productivity



E-LIT Series - Optimize your performance

Clutch Battery Tool range



FOCUS



3 MODELS TO CHOOSE FROM	 BRUSHLESS MOTOR	 LI-ION BATTERY	 E-LIT CONFIG SOFTWARE	 SPEED MODULE	 CONNECT
E-LIT PLUS ELECTRONIC BRUSHLESS (ELB) PISTOL 	✓	✓	✓		
E-LIT PREMIUM ELECTRONIC BRUSHLESS SPEED CONTROL (ELS) PISTOL AND ANGLE 	✓	✓	✓	✓	
E-LIT WIRELESS COMMUNICATION (ELC) PISTOL AND ANGLE 	✓	✓	✓	✓	✓

Tool management device

Speed setting / For ELS and ELC models

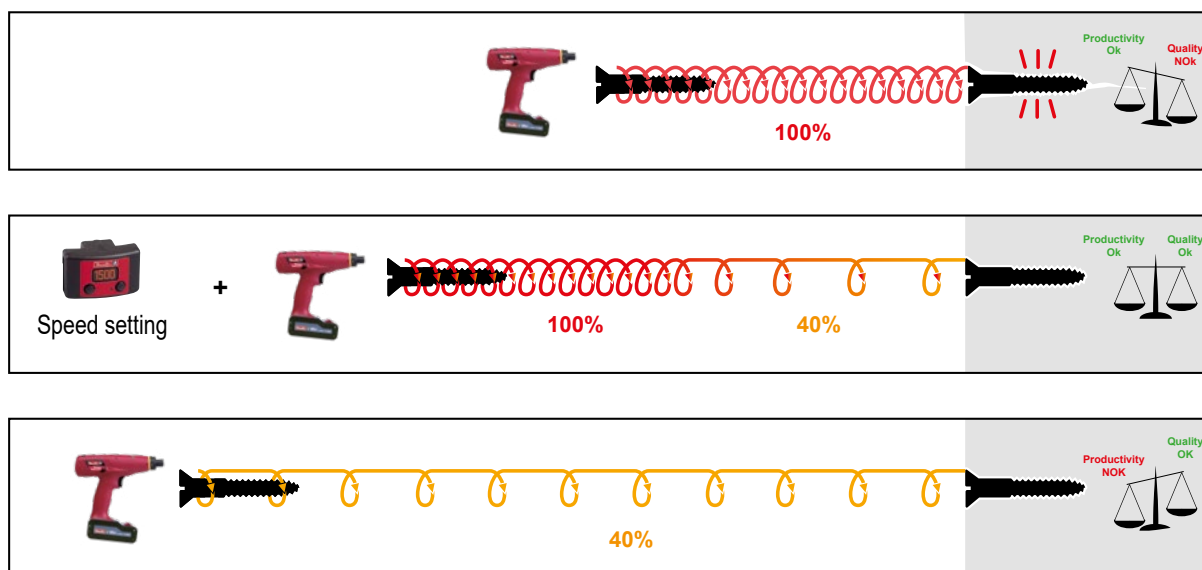
Two speed setting easily controlled by external module



Everything needed to optimize your assembly process

Guarantee quality and keep high productivity

- Decrease final speed to ensure tightening quality
- Avoid quality defects in your final product
- Decrease starting speed to facilitate bolt engagement



E-LIT CONFIG software



SOFTWARE
see page 78



E-LIT Series - Optimize your performance

Clutch Battery Tool range

Focus on wireless clutch tool solution

TU E-LIT WIFI proposes a better production follow-up, a better error proofing and a better total cost of ownership of your production line by integrating and controlling a clutch tool on the CONNECT platform.

BETTER CONTROL OF PRODUCTION LINE

by enable or disable clutch tool

PRODUCTION QUALITY IMPROVEMENT

with traceability on standard joint

EASY INTEGRATION

thanks to CONNECT platform connectivity



Enable/disable tool

according to production process:

- Batch count
- Reverse mode
- Open protocol, I/Os & Field bus



OK/NOK reports

and prevent from FALSE OK:

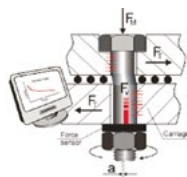
- OK/NOK
- Re-hit
- Cross thread prevention



Setting adjustments

To fit with application requirements

- Up to 3 speeds
- 4 Pset & 4 Assembly Process
- Batch count



Traceability information

For a better follow-up and analysis

- Results linked with a VIN NUMBER
- Lock tool when memory is full (option)
- CVI MONITOR, ANALYZER & NET WEB compatible



FOCUS ON ERROR PROOFING FEATURE CROSS THREAD PREVENTION

A clutch could shut off even if the screw is not well seated due to higher resistance linked to cross thread situation

TU E-LIT WIFI is now able to detect a cross thread situation and report a NOK in your traceability system



FOCUS ON PRODUCTION CONTROL FEATURE BATCH COUNT

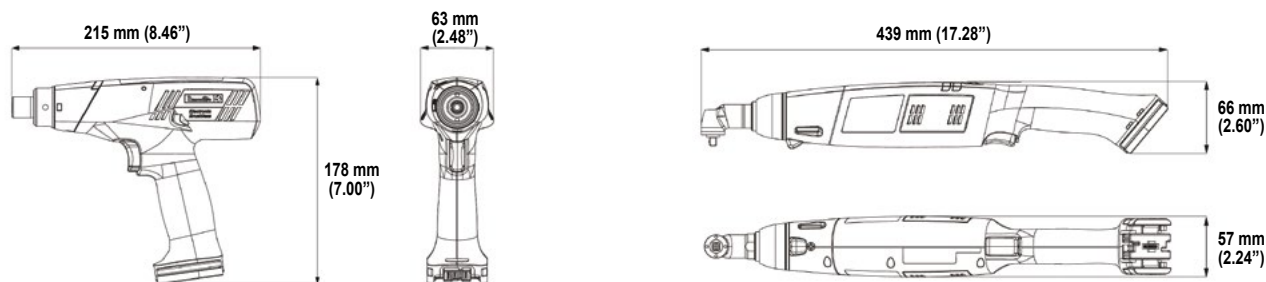
More production takt time is high or more production process is complex, more the risk to miss a screw is high !

Batch count
real time feed-back



Avoid quality issues and reduce rework time with batch count functionality

Accessories



OPTIONAL ACCESSORIES

ITEM		PISTOL	ANGLE HEAD 18V	ANGLE HEAD 36V	ELC -W TOOLS	PART NO.
Battery type						
1	Li-ion battery pack 18V 2.5 Ah - 0.46 kg (1,01lb)	✓	✓		✓	615 813 266 0
2	Li-ion battery pack 36V 2.5 Ah - 0,77 kg (1,70lb)	✓		✓	✓	615 813 267 0
Chargers						
3	Charger Universal 18 / 36V	✓	✓	✓	✓	615 813 270 0
•	Power Cord C13-C14 L=0.3m (daisy chain cable)	✓	✓	✓	✓	615 813 383 0
Protective covers - Tools						
4	For Pistol - Clear	✓			✓	615 396 870 0
4	For Pistol - Black	✓			✓	615 211 030 0
4	For Pistol - Blue	✓			✓	615 211 031 0
4	For Pistol - Red	✓			✓	615 211 032 0
4	For Pistol - Grey	✓			✓	615 211 033 0
4	For Body angle head - Black		✓	✓	✓	615 211 004 0
4	For Body angle head - Blue		✓	✓	✓	615 211 025 0
4	For Body angle head - Red		✓	✓	✓	615 211 026 0
4	For Body angle head - Grey		✓	✓	✓	615 211 027 0
5	For Angle < 15Nm - Black		✓		✓	615 397 672 0
5	For Angle 30Nm - Black			✓	✓	615 573 214 0
5	For Angle 45Nm - Black			✓	✓	615 573 215 0
5	For Angle 60Nm - Black			✓	✓	615 211 005 0
Protective covers - Battery						
6	For Battery 18V 2.5Ah - Clear	✓	✓		✓	615 211 136 0
6	For Battery 18V 2.5Ah - Black	✓	✓		✓	615 211 137 0
6	For Battery 18V 2.5Ah - Red	✓	✓		✓	615 211 138 0
6	For Battery 18V 2.5Ah - Grey	✓	✓		✓	615 211 139 0
6	For Battery 36V 2.5Ah - Clear	✓	✓	✓	✓	615 211 140 0
6	For Battery 36V 2.5Ah - Black	✓	✓	✓	✓	615 211 141 0
6	For Battery 36V 2.5Ah - Red	✓	✓	✓	✓	615 211 142 0
6	For Battery 36V 2.5Ah - Grey	✓	✓	✓	✓	615 211 143 0
Miscellaneous						
•	Kit Overmould Presto (x10 pcs)					615 211 057 5
7	Speed Setting Module (ELS/ELC version)	✓	✓	✓	✓	615 396 829 0
8	Side handle - Pistol	✓			✓	615 396 757 0
9	Suspension bail - Pistol	✓			✓	443 703
10	Kit colour rings - Pistol (7 colors : white, yellow, orange, green, blue, purple, grey)	✓			✓	615 396 742 5
10	Kit colour rings - Angle tools (8 colors : white, yellow, orange, green, blue, purple, grey, black)		✓	✓	✓	615 970 114 5
11	Kit Nose Crowfoot	✓			✓	615 810 695 0
12	eDOCK + Battery data interface	✓	✓	✓	✓	615 813 400 0
•	E-LIT CONFIG software	✓	✓	✓	✓	-
•	CVI CONFIG software				✓	-
Desoutter Tool Holsters						
13	DTH-42	✓			✓	107892
14	DTH-90	✓			✓	615 812 119 0
15	DTH TWIN (single) without rail		✓	✓	✓	615 811 411 0
16	DTH TWIN rail kit with 2 Twin holders		✓	✓	✓	615 811 412 5
17	DTH TWIN stand kit with 2 Twin holders		✓	✓	✓	615 811 413 5



E-LIT series

0.4 to 60 Nm (3.5 to 530 in. lb) - 50 to 1550 rpm



A



B



C



D

PIC REF	MODEL	PART NUMBER	TORQUE RANGE		ROTATIONAL SPEED	OUTPUT DRIVE	WEIGHT WITHOUT BATTERY		VOLTAGE
			Nm	in. lb			kg	lb	

E-LIT PLUS - ELECTRONIC BRUSHLESS MOTOR

A	ELB 2.5-1250-P	615 165 415 0	0.4-2.5	3.5-22	1250	Hex. 1/4 F	0.8	1.76	18
A	ELB 6-900-P	615 165 416 0	0.8-6	7.1-53	900	Hex. 1/4 F	0.8	1.76	18
A	ELB 6-670-P	615 165 440 0	0.8-6	7.1-53	670	Hex. 1/4 F	0.8	1.76	18
A	ELB 8-670-P	615 165 417 0	1.5-8	13.3-70	670	Hex. 1/4 F	0.8	1.76	18
A	ELB 12-600-P	615 165 418 0	3-12	26.5-106	570	Hex. 1/4 F	0.8	1.76	18

E-LIT PREMIUM - ELECTRONIC BRUSHLESS SPEED SETTING

A	ELS 2.5-1550-P	615 165 419 0	0.4-2.5	3.5-22	500-1550	Hex. 1/4 F	0.8	1.76	18
A	ELS 6-1000-P	615 165 420 0	0.8-6	7.1-53	300-1000	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-400-P	615 165 605 0	1.5-8	13.3-70	120-400	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-800-P	615 165 421 0	1.5-8	13.3-70	300-765	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-400-P4S	615 165 825 0	1.5-8	13.3-70	120-400	Sq. 1/4	0.8	1.76	18
A	ELS 12-600-P	615 165 422 0	3-12	26.5-106	250-570	Hex. 1/4 F	0.8	1.76	18
A	ELS 12-400-P4S	615 165 826 0	3-12	26.5-106	120-400	Sq. 1/4	0.8	1.76	18
B	ELS 7-360-A4S	615 165 725 0	1.5-7	13.3-62	120-360	Sq. 1/4	1.2	2.6	18
B	ELS 7-880-A	615 165 628 0	1.5-7	13.3-62	400-880	Hex. 1/4 F	1.2	2.6	18
B	ELS 7-880-A10S	615 165 888 0	1.5-7	13.3-62	400-880	Sq. 3/8	1.2	2.6	18
B	ELS 15-480-A	615 165 629 0	5-15	44.2-133	200-480	Sq. 3/8	1.2	2.6	18
B	ELS 15-480-A4S	615 165 839 0	5-15	44.2-133	200-480	Sq. 1/4	1.2	2.6	18
C	ELS 30-300-A	615 165 630 0	10-30	88.5-265	100-300	Sq. 3/8	1.5	3.3	36
C	ELS 45-180-A	615 165 631 0	20-45	177-398	50-180	Sq. 3/8	1.5	3.3	36
D	ELS 60-160-A	615 165 632 0	25-60	220-530	50-160	Sq. 1/2	1.97	4.33	36

E-LIT WIRELESS - COMMUNICATION

A	ELC 6-1000-P-W	615 166 100 0	0.8-6	7.1-53	300-1000	Hex. 1/4 F	0.9	1.76	18
A	ELC 8-400-P-W	615 166 101 0	1.5-8	13.3-70	120-400	Hex. 1/4 F	0.9	1.76	18
A	ELC 8-800-P-W	615 166 102 0	1.5-8	13.3-70	300-765	Hex. 1/4 F	0.9	1.76	18
A	ELC 12-600-P-W	615 166 103 0	3-12	26.5-106	250-570	Hex. 1/4 F	0.9	1.76	18
B	ELC7-360-A4S-W	615 166 104 0	3-7	13.3-62	120-360	Sq. 1/4	1.2	2.6	18
B	ELC7-880-A-W	615 166 105 0	3-7	13.3-62	400-880	Hex. 1/4 F	1.2	2.6	18
B	ELC15-480-A-W	615 166 106 0	5-15	44.2-133	200-480	Sq. 3/8	1.2	2.6	18
C	ELC30-300-A-W	615 166 107 0	10-30	88.5-265	100-300	Sq. 3/8	1.5	3.3	36
C	ELC45-180-A-W	615 166 108 0	20-45	177-398	50-180	Sq. 3/8	1.5	3.3	36
D	ELC60-160-A-W	615 166 109 0	25-60	220-530	50-160	Sq. 1/2	2	4.3	36

• Battery not included in standard offering

B-FLEX: Performance and flexibility

FOCUS



KEYPOINTS

BEST ERGONOMICS	HIGH TECHNOLOGY	QUALITY CONTROL
Ergostop technology to avoid RSI (Repetitive Strain Injury)	Smart embedded HMI on tool	Direct feedback for the operator
Perfectly balanced grip design	High resolution transducer	Visible tightening results on tool HMI
Rebalancing with the two different battery positions	New motor dedicated to battery tools : high speed, high torque, low temperature	Torque control and angle monitoring
Operator comfort		

B-FLEX: Ergonomy and control

ERROR PROOF QUALITY CONTROL

- Direct feedback for the operator
- Torque and Angle tightening result
- Torque control tightening strategy



No PC needed

100 last results on "CVI Monitor"




Data to collect

Password protection

Battery level

Ergostop

Program setting

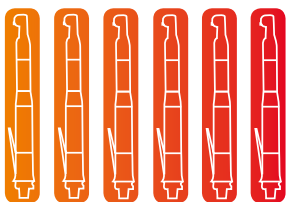
Easy setting

Results

10.03NM
162.3DEG

B-FLEX ADVANCED (Standard features +)

6 Pset

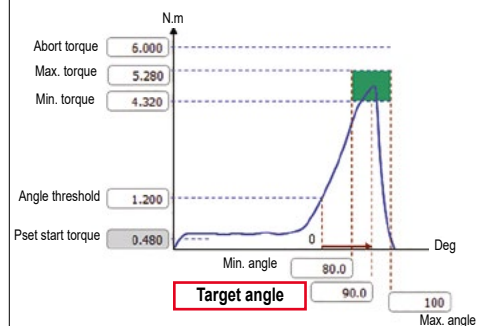


6 TOOLS in 1 B-FLEX



Angle Strategy

Error proof your standard tightenings



Full data collection

(up to 10 000 on CVI Analyzer)



B-FLEX Series - Pistol grip

1.5 to 17 Nm (1.1 to 12.5 ft. lb) - 10 to 1800 rpm

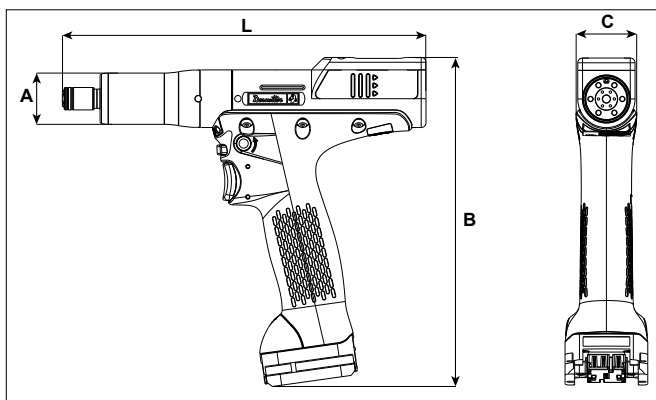


A



B

MODEL	L		A		B		C	
	mm	in.	mm	in.	mm	in.	mm	in.
EPB 8-1800-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 8-1800-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPB 14-900-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 14-900-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPB 17-700-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 17-700-10S	227	8.94	32	1.26	206	8.11	38	1.5



ACCESSORIES
see page 28

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE						ROTATIONAL SPEED (RPM)		WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM- MENDED	MAX.	MIN.	RECOM- MENDED	MAX.	18V	36V	kg	lb	
			in.	Nm	Nm	Nm	ft. lb	ft. lb	ft. lb					V

B-FLEX - TRANSDUCERIZED BATTERY TOOL

A	EPB 8-1800-4Q	615 165 899 0	Hex.1/4	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
B	EPB 8-1800-10S	615 165 903 0	Sq.3/8	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
A	EPB14-900-4Q	615 165 978 0	Hex.1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPB14-900-10S	615 165 977 0	Sq.3/8	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
A	EPB 17-700-4Q	615 165 905 0	Hex.1/4	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36
B	EPB 17-700-10S	615 165 901 0	Sq.3/8	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36

B-FLEX - ADVANCED

A	EPBA 8-1800-4Q	615 165 972 0	Hex.1/4	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
B	EPBA 8-1800-10S	615 165 971 0	Sq.3/8	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
A	EPBA14-900-4Q	615 165 974 0	Hex.1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPBA14-900-10S	615 165 973 0	Sq.3/8	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
A	EPBA 17-700-4Q	615 165 976 0	Hex.1/4	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36
B	EPBA 17-700-10S	615 165 975 0	Sq.3/8	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36

• Battery not included in standard offering

• Battery 18V, 2.5 Ah : 0.46 kg (1.01lb) & 36V, 2.5 Ah : 0.77 kg (1.70lb)



B-FLEX Series - Angle head

5 to 95 Nm (3.7 to 70 ft. lb) - 10 to 900 rpm



A



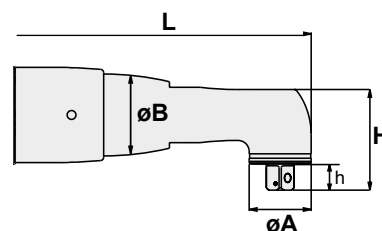
B



C

MODEL	L		H		H		ØA		ØB	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAB 15-900	470	18.5	10.2	0.40	33.8	1.33	22	0.87	37.0	1.46
EAB 26-560	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EAB 32-410	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EAB 45-330	506	19.9	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EAB 50-450	546	21.5	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EAB 60-370	559	22.0	11.9	0.468	57.0	2.20	40	1.57	41.0	1.61
EAB 75-300	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91
EAB 95-240	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91

L = Tool length without battery



ACCESSOIRES
see page 28

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		kg	lb	
			in.	Nm	Nm	Nm	ft. lb	ft. lb	ft. lb	rpm			V

B-FLEX - TRANSDUCERIZED BATTERY TOOL

•	EAB 15-900	615 165 731 0	1/4	5	13	15	3.7	9.6	11	900	1.55	3.42	36
A	EAB 26-560	615 165 732 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EAB 32-410	615 165 733 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EAB 45-330	615 165 734 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EAB 50-450	615 165 735 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EAB 60-370	615 165 736 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EAB 75-300	615 165 737 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EAB 95-240	615 165 738 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

B-FLEX - ADVANCED

•	EABA15-900	615 165 961 0	1/4	5	13	15	3.7	9.6	11	900	1.55	3.42	36
A	EABA26-560	615 165 962 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EABA32-410	615 165 963 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EABA45-330	615 165 964 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EABA50-450	615 165 965 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EABA60-370	615 165 966 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EABA75-300	615 165 967 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EABA95-240	615 165 968 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

• Battery not included in standard offering

• Battery 36V, 2.5Ah - Weight: 0.77 kg (1.70lb)

B-FLEX QRX

5 to 95 Nm (3.7 to 70 ft. lb) - 10 to 560 rpm

Advanced Multi Applications Tool



BOOST YOUR PRODUCTIVITY

Real Time Pset selection for the selected Quick release accessory with RFID technology

BOOST YOUR FLEXIBILITY

Possibility to use the same tool for multiple applications

MODEL	PART NUMBER	TORQUE			ROTATIONAL MAX SPEED (RPM)	WEIGHT*	
		MIN	NOMINAL	MAX		kg	ilb
		Nm	Nm	Nm			
EABA26-560 QRX	615 166 080 0	5	24	26	560	2.04	4.50
EABA32-410 QRX	615 166 081 0	7	30	32	410	2.04	4.50
EABA45-330 QRX	615 166 082 0	9	40	45	330	2.21	4.87
EABA50-450 QRX	615 166 083 0	9	45	50	450	2.49	5.49
EABA60-370 QRX	615 166 084 0	10	55	60	370	2.82	6.22
EABA75-300 QRX	615 166 085 0	12	70	75	300	3.42	7.54
EABA95-240 QRX	615 166 086 0	19	90	95	240	3.46	7.63

*Weight without battery

All tools are powered by a battery pack 36V 2.5Ah

Battery 36V, 2.5Ah - Weight : 0.77 kg (1.70lb)



BLRTA

6 to 45 Nm (4.4 to 33.19 ft.lb) - 1520 to 3990 rpm



A



B

BOOST YOUR PRODUCTIVITY

- By reducing cycle time
- By improving joint quality
- By providing process quality

BOOST YOUR FLEXIBILITY

- Free of cable management
- Free of reaction arm
- Reduce total cost of ownership

BOOST YOUR UP TIME

- Boost the uptime of the operator
- Boost the uptime of the tool

	STANDALONE VERSION
Wifi Communication	N/A
Programming on the tool	✓
Pset	6
No. of step in Pset	1
Assembly process	N/A
Results	10 000 with CVI analyzer
Tightening Curve	N/A
Disconnected mode	N/A



ACCESSORIES
see page 28

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	OUTPUT RETAINING TYPE	TORQUE				ROTATIONAL MAX SPEED (RPM)		LENGTH		WEIGHT*		VOL-TAGE
					MIN	MAX	MIN	MAX							
			in.		Nm	Nm	ft.lb	ft.lb	18V	36V	mm	in.	kg	in.	V
A	BLRTA025-2350-10S	615 166 023 0	Sq 3/8	Through hole	6	25	4.4	18.4	1520	2350	233	9.17	1.2	2.6	18/36
B	BLRTA025-2350-4Q	615 166 024 0	Hex. 1/4	Quick change chuck	6	25	4.4	18.4	1520	2350	233	9.17	1.2	2.6	18/36
-	BLRTA045-3990-10S	615 166 187 0	Sq 3/8	Through hole	15	45	11.6	33.19	3990	3990	251	9.9	1.34	2.96	18/36

*Weight without battery

Accessories

B-FLEX / QRX / BLRTA / EAB / EPB

ACCESSORIES INCLUDED

- Pistol protective cover Red

EPB/EPBA
615 211 022 0

BLRTA
615 211 073 0

OPTIONAL ACCESSORIES

ITEM	EAB/QRX	EPB/EPBA	BLRTA
------	---------	----------	-------

Battery type

1	Li-ion battery pack 18V 2.5 Ah - 0.46 kg (1,01lb)	615 813 266 0	615 813 266 0
2	Li-ion battery pack 36V 2.5 Ah - 0,77 kg (1,70lb)	615 813 267 0	615 813 267 0

Charger

3	Charger Universal 18 / 36V	615 813 270 0	615 813 270 0	615 813 270 0
	• Power Cord C13-C14 L=0.3m (daisy chain cable)	615 813 383 0	615 813 383 0	615 813 383 0

Protective covers - Tools

4	For Angle head EAB 15	615 211 003 0		
4	For Angle head EAB 26/32	615 573 207 0		
4	For Angle head EAB 45/50	615 573 208 0		
4	For Angle head EAB 60	615 573 209 0		
4	For Angle head EAB 75/95	615 573 210 0		
5	Pistol protective cover Black	615 211 019 0		

Protective covers - Battery

6	For Battery 18V 2.5Ah - Clear	615 211 136 0	615 211 136 0	
6	For Battery 18V 2.5Ah - Black	615 211 137 0	615 211 137 0	
6	For Battery 18V 2.5Ah - Red	615 211 138 0	615 211 138 0	
6	For Battery 18V 2.5Ah - Grey	615 211 139 0	615 211 139 0	
6	For Battery 36V 2.5Ah - Clear	615 211 140 0	615 211 140 0	615 211 140 0
6	For Battery 36V 2.5Ah - Black	615 211 141 0	615 211 141 0	615 211 141 0
6	For Battery 36V 2.5Ah - Red	615 211 142 0	615 211 142 0	615 211 142 0
6	For Battery 36V 2.5Ah - Grey	615 211 143 0	615 211 143 0	615 211 143 0

Miscellaneous

7	Nose crowfoot adapter for EPB	615 565 518 0		
8	eDOCK + Battery data interface	615 813 400 0	615 813 400 0	615 813 400 0
9	Side handle	615 397 016 0		

Desoutter Tool holster

10	DTH TWIN (single) without rail	615 811 411 0		
11	DTH TWIN rail kit with 2 Twin holders	615 811 412 5		
12	DTH TWIN stand kit with 2 Twin holders	615 811 413 5		
13	DTH90	615 812 119 0	615 812 119 0	

