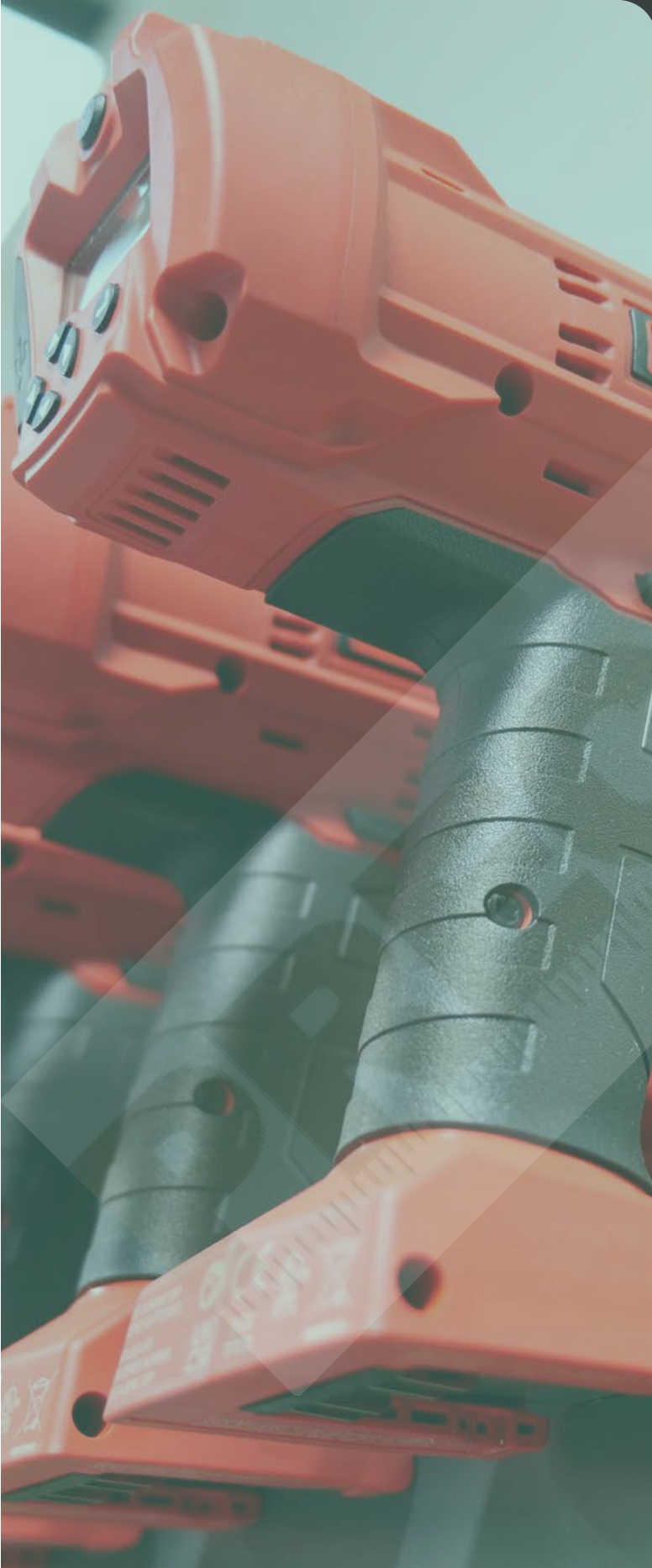




POWERED TORQUE TOOLS



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Electronic Tools

EvoTorque® are electronic torque tools designed for applying torque to threaded fasteners. The unique ‘Intelligent Joint Sensing’ technology will accurately tighten to the correct torque without the risk of excess overshoot or undershoot that is common in other electric tools.

Pneumatic Tools

PneuTorques consist of a robust air motor driving a Norbar multiplier with three or more stages of epicyclic gearing. This gives the advantage of smooth, continuous rotation (versus an impulsing action or the hammer action in an impacting tool).



EVOTORQUE® BATTERY TOOL COMPACT (EBT-C)



New

Discover the Evolution

The EvoTorque® Battery Tool Compact (EBT-C) is setting new standards in the torque multiplier market.

Experience the blend of compact design, precise torque measurement and exceptional thermal management that makes the EBT-C the tool of choice for those who refuse to compromise on safety and reliability.



More than...

20%

smaller than equivalent EBT models



- The compact, lightweight and ergonomic design allows for easier access to applications and improved operator grip and comfort
- New patent pending cooling system, specifically engineered to manage and dissipate heat efficiently during operation ensures that the tool remains at optimal operating temperatures, even under heavy use
- Patented transducer-controlled battery torque tool works with 'intelligent joint sensing' technology to provide high accuracy and repeatability across all joint types
- The 'Safe to Start' button enhances safety by preventing accidental activation, requiring intentional engagement to proceed. Users can disable this feature in the menu settings for flexibility and personal preference
- 18V, 5.0Ah battery and efficient motor give outstanding fastening performance per charge
- High powered LED to illuminate application



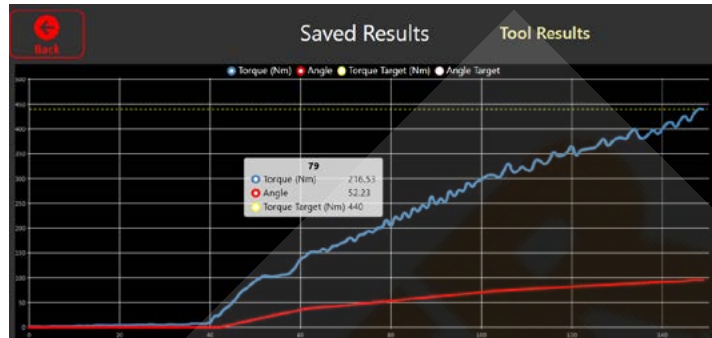
EVOTORQUE® BATTERY TOOL COMPACT ADVANCED (EBT-CA)



Data you can Trust

The EvoTorque® Battery Tool Compact Advanced (EBT-CA) shares all the features and benefits of the EBT-C but has the premium additions of communication and data functionality.

	EBT-C	EBT-CA
Accuracy	± 5 %	± 3 %
Comms	□	■
Presets	10	50
Torque Mode	■	■
Torque Then Angle Mode	■	■
Angle Mode	□	■
Torque and Angle Monitoring	□	■
Audit Mode	□	■
Result Storage	□	■
User ID	□	■
PC Software	□	■
Phone App	□	■
Job Presets	□	■
External Gearbox Ratio Setting	□	■
Tool Lock Modes	□	■



Software Graph

The tool comes supplied with PC software and a mobile phone app is also available. These can be used to retrieve results, view tool diagnostics, configure Presets, User IDs and Job Presets.

• Connectivity Options

- Connect to mobile app using Bluetooth® Low Energy (BLE)
- Connect to PC software via USB
- Connect to G400 or CTech Box systems with XBEE
- (Please see pages 76- 77 for more information on Connected Tools)

• Create and send Presets

The user can create individual Presets, these can be grouped together in Jobs. Each Job can hold up to 50 Presets. Jobs and/or Presets can be transmitted to the tool, and results recorded.

• Create and send Users

Set up and send User IDs, with full name and tool access password.

• Save Results

The user can download results and graphs to a database in either the PC software or mobile app.

• Viewing Downloaded Results

The results include the tool serial number, timestamp, checkmarks of whether the result achieved the correct torque and angle values. These can be viewed in either table or graph format, and exported as CSV files.

EBT-CA Torque Modes

**Torque**  
Operator sets a torque value and the tool will tighten until the target torque is achieved.

**Torque Then Angle**  
Operator sets an initial torque target and final angle value. The tool will tighten to the set torque target, and then apply the angle value. The final torque value after the angle has been applied will be displayed.

**Angle Only (Optional Torque Limit)**  
Operator sets an angle target, and the tool will immediately rotate until that angle is achieved. Torque is monitored, and a torque limit can be set which the tool will not exceed.

**Torque with Angle Monitoring (TAM)**  
Operator sets an Initial and Final Torque, the angle is monitored between the Initial and Final Torque.

**Audit Mode**  
The Operator sets a target torque and an angle limit. The tool will tighten until the target torque is achieved. The fastener rotation is measured, a pass/fail is then indicated.

Symbol Key	
Not Included Features	Included Features
Torque	Angle
Torque Monitoring	Angle Monitoring
Torque Limit	



13	EBT-C SERIES
181473	¾" sq. dr., 150 - 750 N·m, 150 - 550 lbf·ft
181477	1" sq. dr., 220 - 1,100 N·m, 160 - 800 lbf·ft
8	EBT-C & EBT-CA SERIES - ACCESSORIES
60334.EBT	Battery Pack
60352.KIT	Single Bay Battery Charger
19868	¾" sq. dr for EBT-C 1,100

13	EBT-CA SERIES NON - WIRELESS*
181474	¾" sq. dr., 150 - 750 N·m, 150 - 550 lbf·ft
181478	1" sq. dr., 220 - 1,100 N·m, 160 - 800 lbf·ft

13	EBT-CA SERIES BLUETOOTH*
181475	¾" sq. dr., 150 - 750 N·m, 150 - 550 lbf·ft
181479	1" sq. dr., 220 - 1,100 N·m, 160 - 800 lbf·ft

13	EBT-CA SERIES G400*
181476	¾" sq. dr., 150 - 750 N·m, 150 - 550 lbf·ft
181480	1" sq. dr., 220 - 1,100 N·m, 160 - 800 lbf·ft

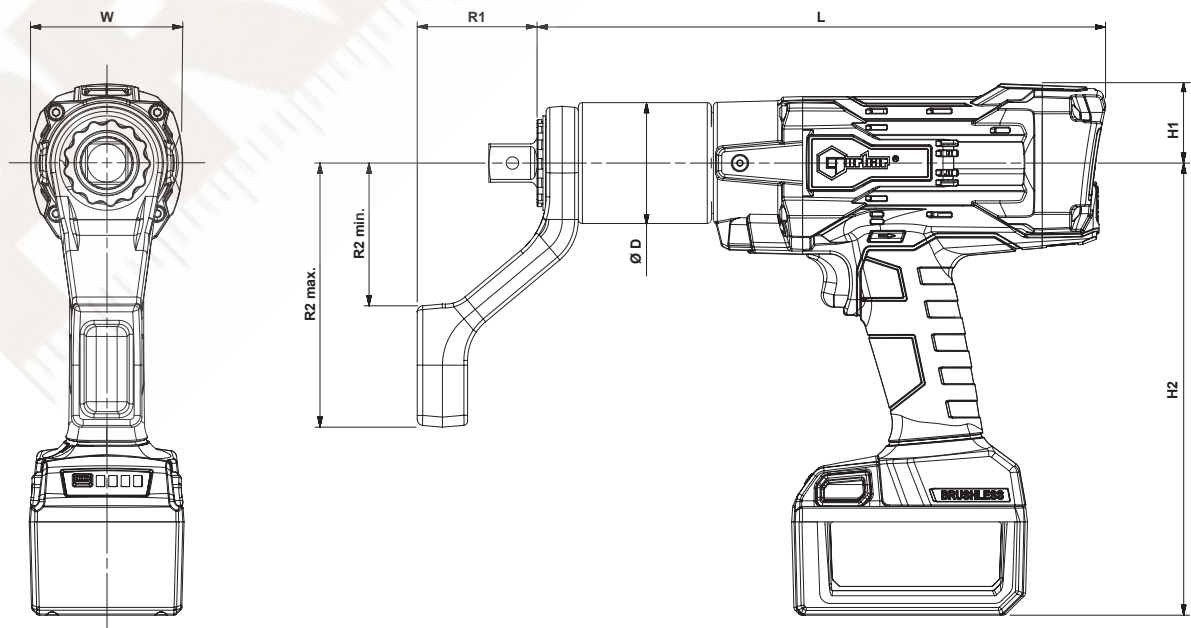
Model	EBT-C-750 EBT-CA-750	EBT-C-1100 EBT-CA-1100
Part Number	181473 181474 181475 181476	181477 181478 181479 181480
Operating Range (N·m)	75 - 750	110 - 1,100
Calibrated Range (N·m)	150 - 750	220 - 1,100
Output Speed (rpm)	12.5	9.1
Dimensions (mm)	∅D max.	60
	H1	39
	H2	224
	L	282
	R1	60
	R2 min.	71
	R2 max.	131
	W	76
Tool Weight (kg)**	3.1	3.8
Reaction Weight (kg)	0.8	1.4

\*Currently in development, expected release end of quarter 1.



*Tool supplied with 2 batteries, 1 single bay battery charger, cranked reaction, operator's manual and quick reference guide*

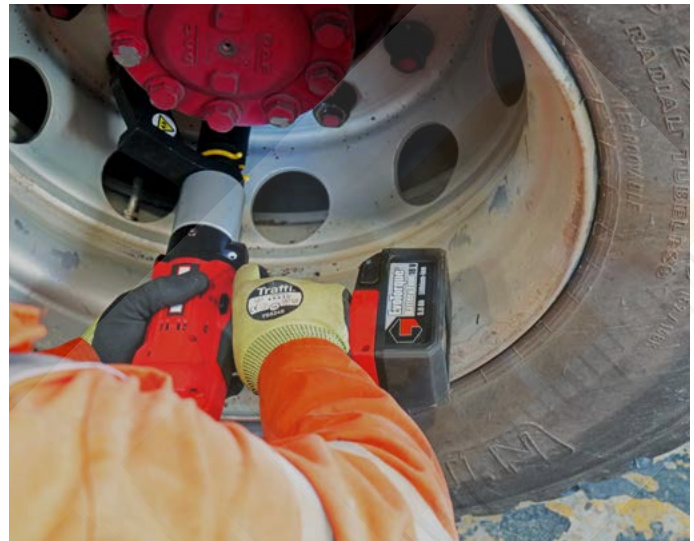
\*\* Tool weight excludes both reaction and battery.  
The battery weighs 0.8 kg.





19864

Wheel Reaction Assembly for use with EBT-C & EBT-CA 750



19859

Bladed Reaction for use with EBT-C & EBT-CA 750



EBT-C-750 Series

EBT-C 750 shown with Cranked Reaction (19860)



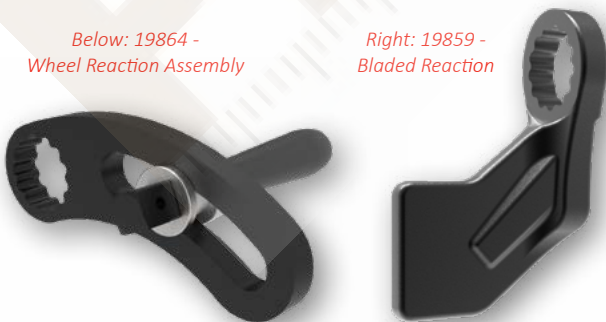
EBT-C-1100 Series

EBT-C 1100 shown with Cranked Reaction (19861)

11	EBT-C & EBT-CA REACTIONS FOR 750 N·m Tools
19859	Bladed Reaction
19860	Cranked Reaction
19864	Wheel Reaction Assembly
19869	6" long, 3/4" sq. dr. Nose Extension

Below: 19864 - Wheel Reaction Assembly

Right: 19859 - Bladed Reaction



11	EBT-C & EBT-CA REACTIONS FOR 1,100 N·m Tools
19611	Cranked Reaction
19861	Cranked Reaction
19782	Single Sided Reaction Plate
19783	Double Sided Reaction Plate
19785.068.B06	Sliding Reaction with 3/4" sq. dr.
19785.068.B08	Sliding Reaction with 1" sq. dr.

Left to Right:  
19611 - Cranked Reaction  
19782 - Single Sided Reaction Plate  
19783 - Double Sided Reaction Plate



NOTE: Existing reactions for 68 mm gearbox will work with EBT-C and EBT-CA 1100  
Where a more bespoke reaction is required, our 'Engineer to Order' service is available



EVOTORQUE® BATTERY TOOL (EBT)



The EvoTorque® Battery Tool (EBT) features a new brushless motor, data memory and data transfer capabilities. Norbar has combined this with our respected gearboxes to deliver a range of fast, reliable, accurate torque tools that retain key features from our EvoTorque® 2 range (see page 56).

**Fast:** EBT uses a powerful motor coupled with either a single speed or auto two speed gearbox for rapid joint completion times.

**Durable:** The industrial motor used by the EBT gives long life with minimal motor service requirement.

**Accurate:** EBT is a transducer-controlled battery powered torque tool designed for accurately applying torque to threaded fasteners. The unique 'intelligent joint sensing' technology continually measures the joint during tightening and when necessary, employs dynamic braking to avoid torque over-shoot due to motor inertia. Both accuracy and repeatability of ±3% of the setting within the calibrated range.

- Tool is not constrained by power cable or hose, improving safety, convenience and versatility
- 18V, 5.0Ah battery and efficient motor give outstanding fastening performance per charge
- 'Safe to start' button ensures hands are safely positioned at start up

Note: In some circumstances it can be difficult to support and operate the tool while simultaneously pressing the trigger and 'safe to start' button. For this reason, single trigger models are also available.

- OLED display ensures visibility in all conditions
- High powered LED to illuminate application
- Optional 'Ease of Use' functionality when in 'Torque Only' mode, minimising operator error
- Optional 'Relax Mode' feature automatically reverses tool following joint completion until the tool becomes free or the trigger is released, minimising the chance of fastener and reaction 'locking' in place
- Supplied with a traceable calibration certificate for torque and angle as standard  
Calibrated ranges shown in the table on page 55, clockwise only
- Available in single speed ideal for torque with angle control
- Auto two speed configurations available for rapid joint completion
- Torque, Torque & Angle and Torque Audit modes available
- In Torque & Angle Mode and Audit Mode, torque can be set from a lower percentage of tool maximum on single speed tools compared to their auto two speed equivalents. Single speed tools are therefore recommended for angle operation
- Software can be updated remotely, without the need to return the product to Norbar
- Quiet : Noise level : 79.1dB(A), with an uncertainty K = 3dB, when free-running
- Vibration : Does not exceed 2.5m/s<sup>2</sup> (highest measured under test : 0.9m/s<sup>2</sup>)



EBT-800 Series



EBT-1350 Series



EBT-2000 Series



EBT-2700 Series



EBT-4000 Series



EBT-7000 Series



EVOTORQUE® BATTERY TOOL (EBT)



13	EBT SERIES - SINGLE SPEED - 'SAFE TO START' MODELS
180349	¾" sq. dr., 160 - 800 N·m, 118 - 600 lbf-ft, <b>Kit</b>
180445*	1" sq. dr., 200 - 1,350 N·m, 150 - 1,000 lbf-ft, <b>Kit</b>
180493	1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf-ft, <b>Kit</b>
180541	1" sq. dr., 400 - 2,700 N·m, 295 - 2,000 lbf-ft, <b>Kit</b>
180637	1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf-ft, <b>Kit</b>
181481	1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf-ft, <b>Kit</b>

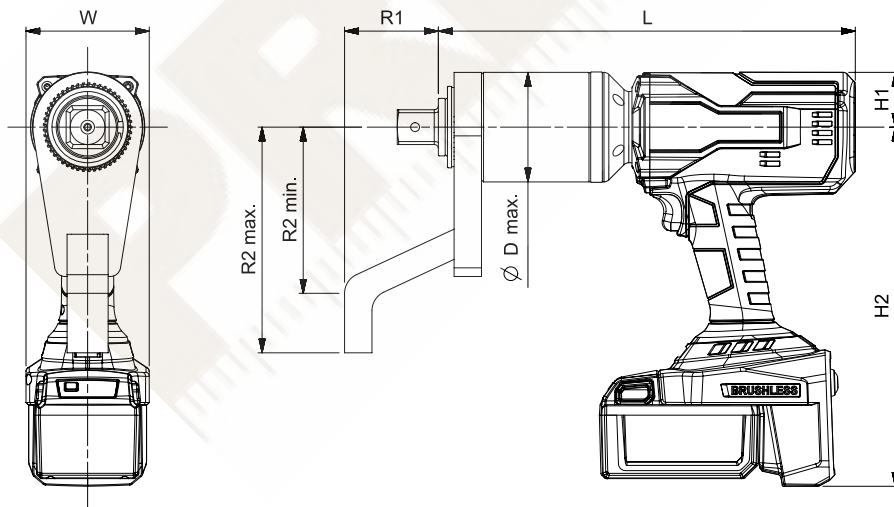
13	EBT SERIES - AUTO TWO SPEED - 'SAFE TO START' MODELS
180469*	1" sq. dr., 338 - 1,350 N·m, 250 - 1,000 lbf-ft, <b>Kit</b>
180565	1" sq. dr., 676 - 2,700 N·m, 499 - 2,000 lbf-ft, <b>Kit</b>
180661	1" sq. dr., 1,000 - 4,000 N·m, 738 - 2,950 lbf-ft, <b>Kit</b>

\*1,350 N·m models come supplied with both ¾" and 1" sq. dr.

13	EBT SERIES - SINGLE SPEED - SINGLE TRIGGER MODELS
180850	¾" sq. dr., 160 - 800 N·m, 118 - 600 lbf-ft, <b>Kit</b>
180898*	1" sq. dr., 200 - 1,350 N·m, 150 - 1,000 lbf-ft, <b>Kit</b>
181305	1" sq. dr., 400 - 2,000 N·m, 295 - 1,475 lbf-ft, <b>Kit</b>
180946	1" sq. dr., 400 - 2,700 N·m, 295 - 2,000 lbf-ft, <b>Kit</b>
180994	1" sq. dr., 800 - 4,000 N·m, 590 - 2,950 lbf-ft, <b>Kit</b>
181482	1½" sq. dr., 1,400 - 7,000 N·m, 1,030 - 5,200 lbf-ft, <b>Kit</b>

13	EBT SERIES - AUTO TWO SPEED - SINGLE TRIGGER MODELS
180922*	1" sq. dr., 338 - 1,350 N·m, 250 - 1,000 lbf-ft, <b>Kit</b>
180970	1" sq. dr., 676 - 2,700 N·m, 499 - 2,000 lbf-ft, <b>Kit</b>
181018	1" sq. dr., 1,000 - 4,000 N·m, 738 - 2,950 lbf-ft, <b>Kit</b>

Model	EBT-800	EBT-1350	EBT-1350 Auto Two Speed	EBT-2000	EBT-2700	EBT-2700 Auto Two Speed	EBT-4000	EBT-4000 Auto Two Speed	EBT-7000
Part Number	180349 180850	180445 180898	180469 180922	180493 181305	180541 180946	180565 180970	180637 180994	180661 181018	181481 181482
Operating Range (N·m)	100 - 800	120 - 1,350	338 - 1,350	200 - 2,000	270 - 2,700	676 - 2,700	400 - 4,000	1,000 - 4,000	1,400 - 7,000
Calibrated Range (N·m)	160 - 800	200 - 1,350	338 - 1,350	400 - 2,000	400 - 2,700	676 - 2,700	800 - 4,000	1,000 - 4,000	1,400 - 7,000
Output Speed (rpm)	11.2	6.5	32	4.2	3.3	13	2.3	9.5	1.2
Dimensions (mm)	ØD max.	52	72	72	68	80	80	92	119
	H1	40	40	40	40	40	40	40	40
	H2	262	262	262	262	262	262	262	262
	L	271	298	317	294	298	333	352	378
	R1	59	76	76	75	76	76	70	90
	R2 min.	68	124	124	120	124	124	125	160
	R2 max.	131	167	167	165	167	167	175	210
	W	90	90	90	90	90	90	90	90
Tool Weight (kg)*	3.7	5.7	5.9	4.9	5.9	6.8	7.9	8.3	13.1
Reaction Weight (kg)	0.8	1.4	1.4	1.1	1.4	1.4	2.5	2.5	3.9



NOTE: Kit versions come with tool, 2 batteries, charger and a secondary handle in a carry case. 800 N·m tools do not come with a secondary handle.

*Bare tools are also available, please visit [www.norbar.com](http://www.norbar.com) for more information.*

Bare tools are supplied in a cardboard box without batteries, charger and secondary handle. Other tool variations are available, please contact Norbar for details.

NOTE: When the tool is to be used for untightening bolts; Norbar recommends the selection of single speed versions. In the case of prevailing torque lock-nuts or partially tightening bolts, the Auto Two Speed version of the tools will generally give no advantage and single speed tools should be selected.

\* Tool weight excludes both reaction and battery. The battery weighs 0.8 kg.

Tool ranges shown above are calibrated ranges, see table above line drawing for operating ranges.

8	EBT SERIES - ACCESSORIES
60334.EBT	Battery Pack
60352.KIT	Single Bay Battery Charger