

## Superior efficiency by brushless motor.



**Phosphorescent bumper**  
Convenient in dark place.

**One-touch bit installation**  
No need to pull bit sleeve for bit installation (for except European countries)

**LED Job Light with afterglow function**  
• On pulling switch trigger, the light automatically turns on before motor starts turning.  
• Keeps on illuminating about 12-13 sec. after trigger release.

**Electronic switch**  
Less force is required to pull the trigger, reducing hand fatigue.

**BLDC motor (Brushless DC motor)**

**Ergonomically designed handle with rubberized soft grip** provides comfortable grip more control while minimizing hand fatigue and pain.



**Powered by Li-ion battery**

**BTD145:**  
Higher capacity 18V 3.0Ah battery BL1830  
Lightweight 18V 1.3Ah battery BL1815



**BTD133:**  
Higher capacity 14.4V 3.0Ah battery BL1430



**Battery Charger DC18RA:**  
Charging time  
BL1830, BL1430: 22minutes  
BL1815: 15minutes



**Battery Charger DC18SD:**  
Charging time  
BL1830, BL1430: 60minutes  
BL1815: 30minutes



**Battery fuel warning lamp** visually warns assembly worker that the remaining battery capacity is getting low.



Photo: BTD145

**Compact belt clip** can be held in commercial tool holders generally available in the market.

**Belt clip** with Lightweight battery BL1815



## Cordless Impact Driver BTD145 <sup>18V LITHIUM-ION</sup> BTD133 <sup>14.4V LITHIUM-ION</sup>

Satisfy Professional's Needs



# 165N.m

(BTD133:160N.m)

## More Power, Durability



Photo: BTD145

### Cordless Impact Driver

- Variable Speed
- Reversing
- Electric Brake
- Electric 3-Speed
- Built-in Job Light
- Carrying Case



### BTD145, BTD133

	BTD145	BTD133
<b>Capacity</b>		
Machine screw :	M4 - M8 (5/32" - 5/16")	M4 - M8 (5/32" - 5/16")
Standard bolt :	M5 - M14 (3/16" - 9/16")	M5 - M14 (3/16" - 9/16")
High tensile bolt :	M5 - M12 (3/16" - 1/2")	M5 - M12 (3/16" - 1/2")
Coarse thread (in length) :	22 - 125mm (7/8" - 4-7/8")	22 - 125mm (7/8" - 4-7/8")
Impacts per minute (ipm) 3rd/ 2nd/ 1st :	0-3,400/ 0-2,800/ 0-1,300	0-3,200/ 0-2,600/ 0-1,100
No load speed (rpm) 3rd/ 2nd/ 1st :	0-2,600/ 0-2,000/ 0-1,300	0-2,400/ 0-1,800/ 0-1,100
Max. fastening torque	165N.m (1,460in.lbs)	160N.m (1,420in.lbs)
Dimensions (L x W x H)	**139 x 79 x 236mm	**139 x 79 x 236mm
(L x W x H)	(5-1/2" x 3-1/8" x 9-1/4") (with BL1830)	(5-1/2" x 3-1/8" x 9-1/4") (with BL1430)
Net weight*	1.3kg (2.8lbs) (with BL1815)	1.4kg (3.1lbs) (with BL1430)
Voltage	18V	14.4V

\*weight according to EPTA-Procedure 01/2003

\*\*with One-touch bit holder

Standard Equipment Fast Charger, Battery Cartridge, Bit

Items of standard equipment and specifications may vary by country or area.

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# HIGH PERFORMANCE

with Newly developed Brushless DC motor

## BLDC motor (Brushless DC motor)

- ∴ Maintenance-free due to no brush
- ∴ Energy production is more efficient than brushed DC motor because of no friction loss caused by brushes, enabling to lower amperage for reduced heat production and increased work amount on a single full battery charge.

## More work amount on a single full battery charge

- ∴ Thanks to the very efficient energy production of BLDC motor, work amount on a single full battery charge is increased up to 1.15 times that of Model BTD141.
- ∴ Life time work amount of a battery is increased, reducing the running cost of the fastening system.

## Durable against continuous long operation

- ∴ Use of BLDC motor lowers amperage that causes heat production; the temperature rise at housing surface can be recessed well even in hard industrial applications requiring continuous long tightening.



# BL MOTOR

Cordless Impact Driver

**BTD145**



**BTD133**



## PRECISE TIGHTENING

**3 stage impact power selection** In order to reduce fault tightening, **HARD/MEDIUM/SOFT** impact power can be selected to the material of workpiece or screw type simply by pushing a button.



**HARD impact**

Tightening in underwork material/  
Tightening long screws/  
Tightening bolts.



**MEDIUM impact**

Tightening in the finishing board, plaster board.



**SOFT impact**

Tightening sash screw/  
Tightening small screws such as M6.

**SMALLER**

overall length **139**mm  
(5-1/2")



BTD145

**LIGHTER**

Net weight **1.3**kg  
(2.8lbs)



BTD145

**STRONGER**

Max fastening torque **165**N.m  
(1,460 in.lbs)



BTD145