

**One-touch bit installation**

No need to pull bit sleeve for bit installation

**Phosphorescent bumper**

**LED Job light with pre-glow and afterglow functions**

- On pulling switch trigger, the light automatically turns on before motor starts turning.
- keeps on illuminating about 12-13 sec. after trigger release.
- with Independent off switch

**Torsion screw bit (Option)**

Last Longer!  
New generation screw bit ideal for continuous high torque fastening with Impact Drivers.

**Tool hanger (Option)**

Part No. 195927-8

enables to hook the machine quickly on a snap hook of waist belt.

**Battery Protector (Option)**

designed to protect the battery cartridge from dust and dripping water in outdoor applications or harsh environments.



for 18V-BTD147: Part No. 195798-3  
for 14.4V-BTD136: Part No. 195797-5



Photo: BTD147  
Tool does not come with bit.

**XPT**  
EXTREME PROTECTION TECHNOLOGY

**BL**  
MOTOR

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

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

**Battery**

for BTD147:

Higher capacity  
BL1830 18V-3.0Ah

Lightweight  
BL1815 18V-1.3Ah

for BTD136:

Higher capacity  
BL1430 14.4V-3.0Ah

Lightweight  
BL1415 14.4V-1.3Ah

**Charger**

DC18RA / DC18RC

Charging time  
BL1815, BL1415: 15minutes  
BL1830, BL1430: 22minutes

DC18SD

Charging time  
BL1815, BL1415: 30minutes  
BL1830, BL1430: 60minutes



**Makita**

**XPT**  
EXTREME PROTECTION TECHNOLOGY

**DUST AND DRIP**  
**RESISTANT**



**ULTIMATE**  
**TOUGH**

Photo: BTD147  
Tool does not come with bit.

**Cordless Impact Driver**  
BTD147 **18V** BTD136 **14.4V**  
LITHIUM-ION

**LXT**  
LITHIUM-ION



**LONGER RUNTIME**

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**Cordless Impact Driver**

**BTD147 / BTD136**

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

	BTD147 <b>18V</b> LITHIUM-ION	BTD136 <b>14.4V</b> LITHIUM-ION
<b>Capacity</b>	Machine screw: M4 - M8 (5/32" - 5/16") Standard bolt: M5 - M16 (3/16" - 5/8") High tensile bolt: M5 - M14 (3/16" - 9/16") Coarse thread (in length): 22 - 125mm (7/8" - 4-7/8")	Machine screw: M4 - M8 (5/32" - 5/16") Standard bolt: M5 - M14 (3/16" - 9/16") High tensile bolt: M5 - M12 (3/16" - 1/2") Coarse thread (in length): 22 - 125mm (7/8" - 4-7/8")
<b>Impacts per minute (ipm)</b>	3rd: 0-3,400 / 2nd: 0-2,800 / 1st: 0-1,300	3rd: 0-3,200 / 2nd: 0-2,600 / 1st: 0-1,100
<b>No load speed (rpm)</b>	3rd: 0-2,800 / 2nd: 0-2,300 / 1st: 0-1,400	3rd: 0-2,600 / 2nd: 0-2,100 / 1st: 0-1,200
<b>Max. fastening torque</b>	170N.m (1,500in.lbs)	165N.m (1,460in.lbs)
<b>Dimensions (L x W x H)</b>	129x79x239mm (5-1/8"x3-1/8"x9-3/8")	129x79x239mm (5-1/8"x3-1/8"x9-3/8")
<b>Net Weight*</b>	1.3kg (2.8lbs) with BL1815 1.5kg (3.3lbs) with BL1830	1.2kg (2.6lbs) with BL1415 1.4kg (3.1lbs) with BL1430

**Standard Equipment:** Fast Charger, Battery Cartridge

\*weight according to EPTA-Procedure 01/2003 Items of standard equipment and specifications may vary by country or area.

**Makita Corporation**

3-11-8 Sumiyoshi-cho, Anjo, Aichi, 446-8502 Japan

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**XPT**  
EXTREME PROTECTION TECHNOLOGY

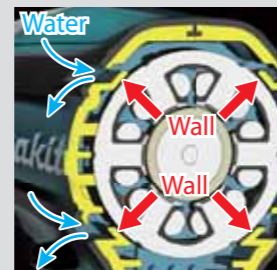


The pictures do not mean to ensure the products are perfectly durable against dust and water, though they are designed to prevent dust and water ingress.

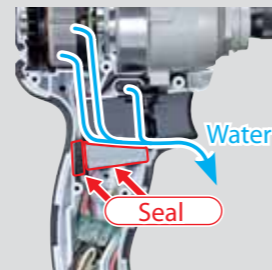
## Enhanced dust and drip-Resistant performance

### Extreme Protection Technology

For use in outdoor applications or harsh environments, protection from dust and dripping water is enhanced compared with the existing model.



Since the wall is prepared in a vent, water and dust are not made to enter easily.



Even if water enters in further, it blocks with a rubber seals. Moreover the water which has entered is discharged outside.

## High Performance with Brushless DC 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.
- :: Life time work amount of a battery is increased, reducing the battery cost.

### Durable against long continuous operation

- :: Use of BLDC motor lowers heat production; the temperature rise at housing surface can be reduced well even in hard industrial applications requiring continuous long operation.



**BL**  
MOTOR

Opened the Door  
to Brushless Tools  
in 2003



## Ultimate Compact

The world's shortest Length (as of Jan. 2012)

**129mm** 10mm more compact than the existing model

Lightweight  
**1.5kg**  
BTD147 : 18V

Lightweight  
**1.3kg**  
BTD136 : 14.4V

## Ultimate Power

Compact Yet Powerful Performance

**170 N.m**  
BTD147 : 18V

**165 N.m**  
BTD136 : 14.4V

### 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.



### Battery fuel gauge

The power remaining in the battery can be indicated in 3 stages simply by pushing a button;  
3 lights on: more than 50% of full battery capacity  
2 lights on: 20% to 50% of full battery capacity  
1 light on : less than 20% of full battery capacity

### "T" mode: Fastening mode for self-drilling screw

"T" mode is a special mode optimum for fast tightening of selfdrilling screws without damaging the screw and the workpiece. In this mode, first, the tool drills in the workpiece quickly with the tip of self-drilling screw at 2,800rpm, the rotational speed of "Hard" mode. Then, when the tool starts impacting, the built-in electronic controller automatically reduces the rotational speed and the impact speed to 2,300rpm and 2,800ipm, those of "Medium" mode in order not to twist off nor to strip out the screw head.

Finally, with the "Medium" power, the tool drives the screw into place without damaging the screw and the workpiece.

