

**Cordless Percussion Driver Drill**

**BHP440, BHP450**

436

- Mechanical 2-Speed
- Variable Speed
- Reversing
- Keyless Chuck
- Electric Brake
- Torque Setting 16
- Carrying Case
- Built-in Job Light



14.4V: BHP440

18V: BHP450



● Fast Charger, Battery Cartridge (2pcs.), +Bit (2pcs.)

	BHP440	BHP450
Capacity	Steel 13mm (1/2") Wood 27mm (1-1/16") Masonry 13mm (1/2")	Steel 13mm (1/2") Wood 27mm (1-1/16") Masonry 13mm (1/2")
Blows per minute / No load speed	Hi: 0-21,000 / 0-1,400rpm Lo: 0-6,000 / 0-400rpm	Hi: 0-21,000 / 0-1,400rpm Lo: 0-6,000 / 0-400rpm
Max. fastening torque	Hard / Soft : 38 / 25N.m	Hard / Soft : 41 / 25N.m
Dimensions (L x W x H)	(8" x 3-1/8" x 9-1/2")	(8" x 3-1/8" x 9-5/8")
Net weight	1.7kg (3.7lbs)	1.8kg (4.0lbs)
Voltage	14.4V	18V

**Cordless Percussion Driver Drill**

**BHP441, BHP451**

436

- Mechanical 3-Speed
- Variable Speed
- Reversing
- Keyless Chuck
- Electric Brake
- Torque Setting 16
- Carrying Case
- Built-in Job Light



14.4V: BHP441

18V: BHP451



● Fast Charger, Battery Cartridge (2pcs.), +Bit (2pcs.), Grip Assembly, Depth Rod

	BHP441	BHP451
Capacity	Steel 13mm (1/2") Wood 50mm (2") Masonry 14mm (9/16")	Steel 13mm (1/2") Wood 65mm (2-9/16") Masonry 16mm (5/8")
Blows per minute / No load speed	3rd: 0-25,500 / 0-1,700rpm 2nd: 0-9,000 / 0-600rpm 1st: 0-4,500 / 0-300rpm	3rd: 0-25,500 / 0-1,700rpm 2nd: 0-9,000 / 0-600rpm 1st: 0-4,500 / 0-300rpm
Max. fastening torque	Hard / Soft : 70 / 32N.m	Hard / Soft : 80 / 40N.m
Dimensions (L x W x H)	(9-7/8" x 3-1/16" x 10")	(9-7/8" x 3-1/16" x 10-1/8")
Net weight	2.1kg (4.6lbs)	2.2kg (4.9lbs)
Voltage	14.4V	18V

**Cordless Driver Drill**

**BDF440, BDF450**

436

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- Variable Speed
- Reversing
- Keyless Chuck
- Electric Brake
- Torque Setting 16
- Carrying Case
- Built-in Job Light



14.4V: BDF440

18V: BDF450



● Fast Charger, Battery Cartridge (2pcs.), +Bit (2pcs.)

	BDF440	BDF450
Capacity	Steel 13mm (1/2") Wood 27mm (1-1/16")	Steel 13mm (1/2") Wood 27mm (1-1/16")
No load speed	Hi: 0-1,400rpm Lo: 0-400rpm	Hi: 0-1,400rpm Lo: 0-400rpm
Max. fastening torque	Hard / Soft : 38 / 25N.m	Hard / Soft : 41 / 25N.m
Dimensions (L x W x H)	(7-3/8" x 3-1/8" x 8")	(7-3/8" x 3-1/8" x 9-5/8")
Net weight	1.6kg (3.5lbs)	1.7kg (3.7lbs)
Voltage	14.4V	18V

**Cordless Driver Drill**

**BDF441, BDF451**

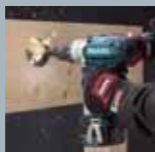
436

- Mechanical 3-Speed
- Variable Speed
- Reversing
- Keyless Chuck
- Electric Brake
- Torque Setting 16
- Carrying Case
- Built-in Job Light



14.4V: BDF441

18V: BDF451



● Fast Charger, Battery Cartridge (2pcs.), +Bit (2pcs.), Grip Assembly

	BDF441	BDF451
Capacity	Steel 13mm (1/2") Wood 50mm (2")	Steel 13mm (1/2") Wood 65mm (2-9/16")
No load speed	3rd: 0-1,700rpm 2nd: 0-600rpm 1st: 0-300rpm	3rd: 0-1,700rpm 2nd: 0-600rpm 1st: 0-300rpm
Max. fastening torque	Hard / Soft : 70 / 32N.m	Hard / Soft : 80 / 40N.m
Dimensions (L x W x H)	(9-3/8" x 3-1/16" x 10")	(9-3/8" x 3-1/16" x 10-1/8")
Net weight	2.0kg (4.4lbs)	2.1kg (4.6lbs)
Voltage	14.4V	18V

Items of standard equipment and specifications may differ from country to country.



**Cordless Percussion Driver Drill**

BHP440, BHP441 BHP450, BHP451

**Cordless Driver Drill**

BDF440, BDF441 BDF450, BDF451



**MAKSTAR LITHIUM-ION**

**LIGHT WEIGHT & COMPACT**

**40% lighter**

MAKITA 14.4V, 18V Ni-MH 3.0Ah

MAKITA 14.4V, 18V Li-ion 3.0Ah

- ANYTIME CHARGE NO MEMORY EFFECT
- LONGTIME STORAGE LOW SELF DISCHARGE
- SHOCK ABSORBING HEAVY DUTY PACK
- FIRM HOLDING MULTI CONTACT

**MAKSTAR Battery Checker**

MAKSTAR Battery Checker detects the number of charges, and diagnoses the condition of MAKSTAR Ni-MH/ Li-ion batteries. This equipment reads the history of the battery from the built-in CPU, finds how the operator treated the battery, and gives the right advice to **MAXIMIZE THE LIFE OF THE BATTERY.**

\* It can be also used for simple-checking conventional Makita batteries, using the adapter which is included with the Battery Checker.  
\* PC is not included in the set.  
\* Battery Checker works with Makita Makstar charger DC24SA, DC24SC and a PC.

# EXTREME COMPACT BODY

Model BHP440, BHP450  
BDF440, BDF450

← 186mm →



Makita's predecessor model

LIGHT WEIGHT

**1.6kg** BDF440



Photo: BDF450

Photo: BDF451

# EXTREME TORQUE

Model BHP441, BHP451  
BDF441, BDF451

Robust Aluminum Gear Housing

3-Speed Metal Gear

MAX. TORQUE

**80N.m** Hard Joint, 40N.m Soft Joint  
BHP451, BDF451



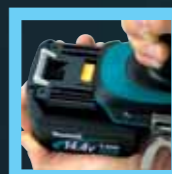
Photo : BDF451

## EXTREME LIGHT WEIGHT + COMPACT BODY



:: MAKSTAR light weight and compact Lithium-ion battery

## EXTREME POWER



:: 14.4V, 18V high power Lithium-ion battery



:: Makita's original light weight and compact Four-Pole Motor

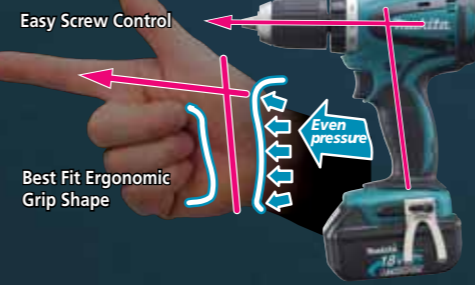


:: Makita's original powerful "Four-Pole" Direct Current high density Magnet Motor

## EXTREME ERGONOMICS



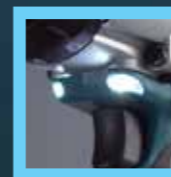
:: Best Fit Ergonomic Grip Shape



## EXTREME BEAM

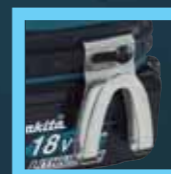


:: LED Job Light can be illuminated without running motor.  
:: BHP440/450 BDF440/450



:: BHP441/455 BDF441/451

## EXTREME BELT CLIP



## EXTREME CHUCK



:: Single Sleeve Keyless Chuck  
:: allows for easy bit installation /removal with one hand.

## EXTREME CASE



with bits & fixings compartment

:: Part No.824953-5 BHP440/450, BDF440/450  
:: Part No.824754-3 BHP441/455, BDF441/451  
\* bits & fixings are not included in the set

# EXTREME STAMINA

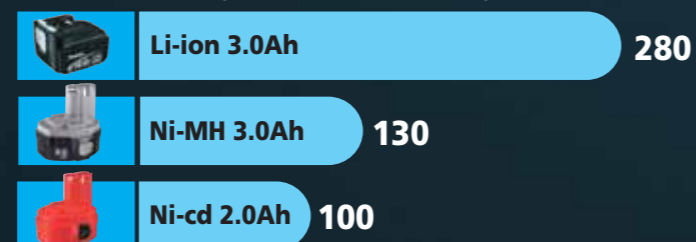
Life time work volume

**280%**

in comparison with Makita Ni-cd 2.0Ah batteries

## LITHIUM-ION

Total Power Delivery Amount of each battery's service lifetime



The numbers in the chart are relative values when the amount of Ni-cd 2.0Ah is indexed at 100.

Only Achieved with...

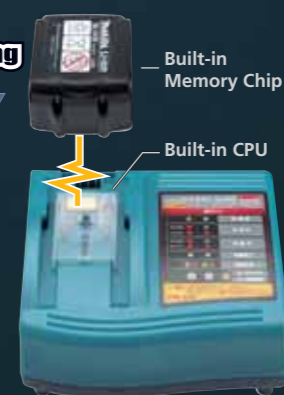
## MAKSTAR Charger's Optimum Charging System

- :: Communicates with individual battery.
- :: Recognizes ID of battery and its history.
- :: Analyzes its condition ; Battery may have been abused by heat or over-discharging, or weakened by cycle age.
- :: Charges optimum and gentle way with Active 3 Controls ; Active Current Control Active Thermal Control Active Voltage Control
- :: Knows how to look after each MAKSTAR battery to **MAXIMIZE CYCLE LIFE + WORK VOLUME.**

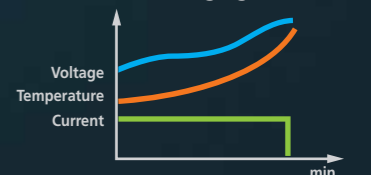
### Optimum Charging System



:: Cools down inside battery.



Traditional Charging Method



MAKSTAR Charger's Optimum Charging System

