



Cordless tools for industry

High-performance and high reliability to support the manufacturing field in the world

An extensive lineup supporting a wide torque range



Makita - A Global Brand



U.K. Plant



Germany Plant



Romania Plant



U.S. Plant

Makita has established directly operated business bases in about 50 countries around the world, and have upgraded our sales network in over 170 countries and after-sales service capabilities to become one of the leading companies in our industry. In addition, Makita is producing power tools and OPE in China, Romania, Thailand, U.K., Brazil, U.S. and Germany. Currently, about 90% of our group's manufacturing work in terms of production volume is carried out overseas. Makita's worldwide sales and service network, as well as the stable, high production quality ensured at its plants worldwide, are the embodiment of the Makita brand.



Thailand Plant



China Plant (MCC)



China Plant (MKC)

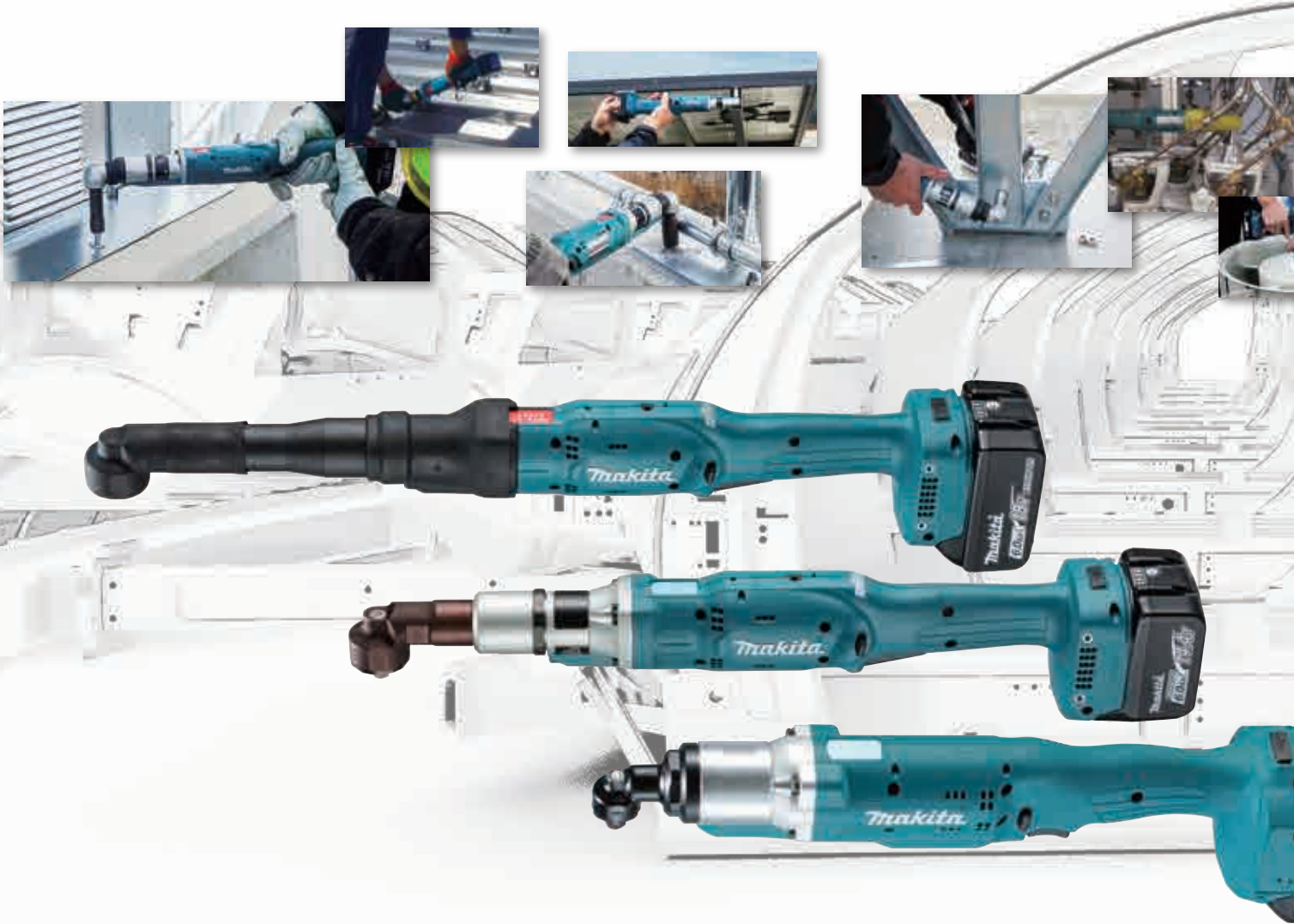


Brazil Plant



Okazaki Plant

High-performance and the manufacturing



Supported by the great extent of torque lineup



Cordless Screwdriver

Cordless Angle Screwdriver



high reliability to support field in the world.



Cordless Impact Driver



Cordless Impact Wrench



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Icon

 Variable Speed	 Reversing	 Constant Speed	 Electronic 2-Speed
 Brake	 Anti-restart Function	 Soft Start	 Built-in Job Light

Introduction

What is the MAKITA's DFL/DFT production tool series?

>>>To be sure that all fastening are done with same fastening torque to keep product quality.

Our DFT/DFL series are often used in assembly line such as...

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> •Automotive <ul style="list-style-type: none"> >General cars >Trucks •Tractor •Motorbike | <ul style="list-style-type: none"> •Airconditioning system <ul style="list-style-type: none"> •Train •Air plane | <ul style="list-style-type: none"> •Vending Machine •Home electrical instruments •Solar panel installation |
|---|---|---|

What is the Cm value?

>>>Machine capability is expressed in Cm.

Ex) Makita DFT Series have $\pm 7\%$ Cm>1.67

*This means that the tools miss a target torque once in 1.5 million times.

Cordless Screwdriver

Accurate and high-precision tightening

Equipped with a torque sensor, allowing for torque accuracy value of $\pm 5\%$, $C_m/C_{mk} \geq 1.67$ at a no load speed of 50 min^{-1} obtained from our tests performed in accordance with ISO5393 and VDI/VDE2647.

* $\pm 10\%$, $C_m/C_{mk} \geq 1.67$ is the torque accuracy value of our current FT/FL series equipped with a mechanical clutch.

Organic EL display

- Provides high contrast and excellent visibility.
- Tool settings and fastening results (tightening torque/angle) can be displayed.
- By entering a password, you can select a fastening program saved in the tool, in which up to 8 programs can be saved.

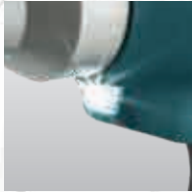


Torque indication plate

- DFT060T **2-6 N·m**
- DFT120T **4-12 N·m**



Twin LED job light



Single finger trigger switch

Maintenance alarm

Ergonomically designed handle with sure grip

New App

- The tightening result can be displayed as a graph on PC.
- Tool settings such as rotation speed and tightening torque can be changed.



Fastening data can be saved.

Judgment of OK/NOK and fastening torque/angle data can be saved in the tool (up to 1,000 records), and the data can be displayed/saved on the PC with a dedicated App via USB cable.

Torque setting using App (No special tool required for torque setting)

Torque can be set by inputting desired values from App.

Cordless Screwdriver



Accessories

Protectors

Part No. 422828-0 (red)



422829-8 (blue)



422830-3 (yellow)



422827-2 (clear)



USB cable

Part No. 661432-2



Dimensions



Model Spec

Cordless Screwdriver DFT060T 18V



LXT **BL**
MOTOR



2-6
N·m

Cordless Screwdriver DFT120T 18V



LXT **BL**
MOTOR



4-12
N·m

Driving Shank (Hex)	6.35 mm (1/4")	6.35 mm (1/4")
No Load Speed	50 - 1,000 min ⁻¹	50 - 700 min ⁻¹
Fastening Torque	Hard / Soft: 2 - 6 / 2 - 6 N·m (18 - 53 / 18 - 53 in.lbs.)	Hard / Soft: 4 - 12 / 4 - 12 N·m (35 - 106 / 35 - 106 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A) or less	70 dB(A) or less
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 206 x 75 x 247 mm (8-1/8 x 2-15/16 x 9-3/4")	w/ BL1815N / BL1820B: 206 x 75 x 247 mm (8-1/8 x 2-15/16 x 9-3/4")
	w/ BL1830B / BL1840B / BL1850B / BL1860B: 206 x 75 x 263 mm (8-1/8 x 2-15/16 x 10-3/8")	w/ BL1830B / BL1840B / BL1850B / BL1860B: 206 x 75 x 263 mm (8-1/8 x 2-15/16 x 10-3/8")
Net weight	1.4 - 1.8 kg (3.1 - 4.0 lbs.)	1.4 - 1.8 kg (3.1 - 4.0 lbs.)

Cordless Screwdriver

High torque accuracy

Torque accuracy value: $\pm 10\%$, $\pm 3\sigma$, $C_m \geq 1.67$ obtained from our tests performed in accordance with ISO5393 and VDI/VDE2647.

Torque change with adjust grip

Torque value can be changed only by adjust grip for quality control.



Torque indication plate

- DFT024F / DFT025F 0.5-2 N·m
- DFT060F 1.5-6.5 N·m
- DFT087F 3-8 N·m
- DFT129F 5-12 N·m

Maintenance alarm

- A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- Auto stop function can be additionally preset.

Large LED indicator

features a large LED light for added visibility; larger than those of our current production tools.



Twin LED job light with preglow and afterglow functions



Ergonomically designed handle with sure grip

Single finger trigger switch

Extended rotation speed range

- Extended low speed range enables to set the torque low enough to firmly but gently tighten plastic screws, hose clamp screws, etc.
- Extended high speed range shortens takt time.

New clutch detection method

For increased durability of the clutch detection system, a contact-type method using a Micro-switch has been changed to a non-contact method using a Hall sensor.

Compatible with Poka-yoke (error-proofing) system

The module can be built into the tool body.

Programmable speed control

- Speed control can be programmed depending on types of joints (hard joint or soft joint) or takt time.
- Speed control program you have set can be entered into the machine from Windows 7, 8 and 10 with a USB connection.



New application with added functions

The following functions are added to those of the current DFT and DFL series

- 1 "Time" and "Rotation angle" have been the trigger of the step transition in speed control program, and now "Torque (= current)" is added.
- 2 "Clutch-up" has been the trigger to finish tightening, and now "Time", "Rotation angle" and "Torque (= current)" are added.
- 3 Error conditions can be set.

Cordless Screwdriver

Accessories

Protectors

DFT024F / DFT025F / DFT060F

Color: red
Part No. 424985-0



Color: blue
Part No. 424986-8



Color: yellow
Part No. 424987-6



Color: green
Part No. 422378-5



Color: clear
Part No. 424984-2



DFT087F / DFT129F

Color: red
Part No. 422921-0



Color: blue
Part No. 422922-8



Color: yellow
Part No. 422923-6



Color: green
Part No. 422924-4



Color: clear
Part No. 422920-2



Hex. Nut M28

Color: red
Part No. 457531-4



Color: blue
Part No. 457532-2



Color: yellow
Part No. 457533-0



Torque adjust tool

Part No. 765027-4



Hook

Part No. 281012-4



USB cable

Part No. 661432-2



Dimensions

DFT024F / DFT025F / DFT060F



DFT087F / DFT129F



Cordless Screwdriver

Model Spec

Cordless Screwdriver
DFT024F 18V



LXT **BL**
MOTOR



0.5-2
N-m

Cordless Screwdriver
DFT025F 18V



LXT **BL**
MOTOR



0.5-2
N-m

Cordless Screwdriver
DFT060F 18V



LXT **BL**
MOTOR



1.5-6.5
N-m

Driving Shank (Hex)	6.35 mm (1/4")	6.35 mm (1/4")	6.35 mm (1/4")
No Load Speed	260 - 1,600 min ⁻¹	100 - 1,300 min ⁻¹	100 - 1,300 min ⁻¹
Fastening Torque	Hard / Soft: 0.5 - 2 / 0.5 - 2 N-m (4 - 18 / 4 - 18 in.lbs.)	Hard / Soft: 0.5 - 2 / 0.5 - 2 N-m (4 - 18 / 4 - 18 in.lbs.)	Hard / Soft: 1.5 - 6.5 / 1.5 - 6.5 N-m (13 - 58 / 13 - 58 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A) or less	70 dB(A) or less	70 dB(A) or less
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 161 x 75 x 242 mm (6-3/8 x 2-15/16 x 9-1/2") w/ BL1830B / BL1840B / BL1850B / BL1860B: 161 x 75 x 258 mm (6-3/8 x 2-15/16 x 10-1/8")	w/ BL1815N / BL1820B: 161 x 75 x 242 mm (6-3/8 x 2-15/16 x 9-1/2") w/ BL1830B / BL1840B / BL1850B / BL1860B: 161 x 75 x 258 mm (6-3/8 x 2-15/16 x 10-1/8")	w/ BL1815N / BL1820B: 161 x 75 x 242 mm (6-3/8 x 2-15/16 x 9-1/2") w/ BL1830B / BL1840B / BL1850B / BL1860B: 161 x 75 x 258 mm (6-3/8 x 2-15/16 x 10-1/8")
Net weight	1.2 - 1.5 kg (2.6 - 3.3 lbs.)	1.2 - 1.5 kg (2.6 - 3.3 lbs.)	1.2 - 1.5 kg (2.6 - 3.3 lbs.)

Cordless Screwdriver
DFT087F 18V



LXT **BL**
MOTOR



3-8
N-m

Cordless Screwdriver
DFT129F 18V



LXT **BL**
MOTOR



5-12
N-m

Driving Shank (Hex)	6.35 mm (1/4")	6.35 mm (1/4")
No Load Speed	100 - 1,250 min ⁻¹	70 - 900 min ⁻¹
Fastening Torque	Hard / Soft: 3 - 8 / 3 - 8 N-m (27 - 71 / 27 - 71 in.lbs.)	Hard / Soft: 5 - 12 / 5 - 12 N-m (44 - 106 / 44 - 106 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	71 dB(A)	71 dB(A)
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 179 x 75 x 242 mm (7 x 2-15/16 x 9-1/2") w/ BL1830B / BL1840B / BL1850B / BL1860B: 179 x 75 x 258 mm (7 x 2-15/16 x 10-1/8")	w/ BL1815N / BL1820B: 179 x 75 x 242 mm (7 x 2-15/16 x 9-1/2") w/ BL1830B / BL1840B / BL1850B / BL1860B: 179 x 75 x 258 mm (7 x 2-15/16 x 10-1/8")
Net weight	1.3 - 1.6 kg (2.9 - 3.5 lbs.)	1.3 - 1.6 kg (2.9 - 3.5 lbs.)

Cordless Screwdriver



Torque shut-off screw drivers



Powered by Li-ion battery

High torque accuracy
×
High performance

High torque accuracy

±10%, ±3σ, Cm≥1.67

Torque value can be changed only by adjust grip for quality control.



Torque indication plate

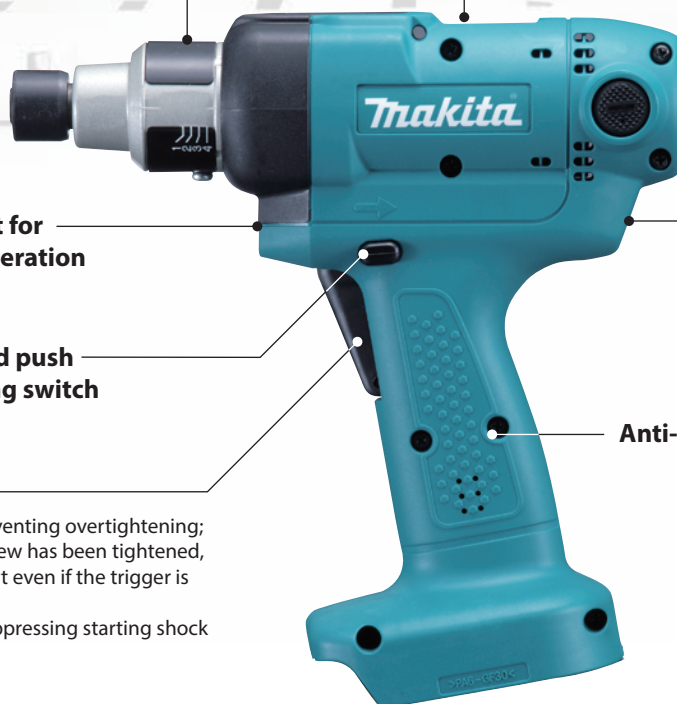
DFT043F	1-4 N·m
DFT083F	3-8 N·m
DFT125F	5-12 N·m

Built-in LED job light for more illuminated operation

Conveniently located push button type reversing switch

On/Off Switch with:

- Delayed restarter for preventing overtightening; for one second after a screw has been tightened, the motor does not restart even if the trigger is unintentionally pulled.
- Soft start function for suppressing starting shock



Indication lamp and beeper

Visually and audibly inform assembly worker of OK/ NOK judgment of each fastening process.

Anti-slip dimpled grip

Auto-Stop System

Indication lamp and beeper warn assembly worker visually and audibly of battery power reduction. If battery power reduces further, the motor automatically stops to prevent NOK fastening. (See instruction manual for detailed information on the behavior of the lamp and the beeper.)

Cordless Screwdriver

Accessories

Protectors

Color: red
Part No. 418425-8



Color: blue
Part No. 418424-0



Color: yellow
Part No. 418423-2



Color: clear
Part No. 450331-1



Grip base

Part No. 193874-7



Protector for Anti-kickback Attachment

Color: red
Part No. A-51275



Color: blue
Part No. A-51269



Color: yellow
Part No. A-51253



Color: clear
Part No. A-51281



Grip 37

Part No. 273443-1



Accessories

Battery protector

Battery: BL1460A
Part No. 457041-1



Battery: BL1415N
Part No. 459711-8



Torque adjust tool

Part No. 765027-4



Anti-kickback head set M

Part No. 195231-5

Anti-kickback head set N

Part No. 195232-3



Dimensions



Model Spec

Cordless Screwdriver DFT043F 14.4V



LXT



1-4
N-m

Cordless Screwdriver DFT083F 14.4V



LXT



3-8
N-m

Cordless Screwdriver DFT125F 14.4V



LXT



5-12
N-m

Driving Shank (Hex)	6.35 mm (1/4")	6.35 mm (1/4")	6.35 mm (1/4")
No Load Speed	80 min ⁻¹	80 min ⁻¹	150 min ⁻¹
Fastening Torque	Hard / Soft: 1 - 4 / 1 - 4 N-m (8.9 - 35 / 8.9 - 35 in.lbs.)	Hard / Soft: 3 - 8 / 3 - 8 N-m (27 - 71 / 27 - 71 in.lbs.)	Hard / Soft: 5 - 12 / 5 - 12 N-m (44 - 106 / 44 - 106 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A)	70 dB(A)	70 dB(A)
Dimensions (L x W x H)	w/ BL1430/A: 200 x 72 x 255 mm (7-7/8 x 2-13/16 x 10")	w/ BL1430/A: 200 x 72 x 255 mm (7-7/8 x 2-13/16 x 10")	w/ BL1430/A: 200 x 72 x 255 mm (7-7/8 x 2-13/16 x 10")
Net weight	1.3 - 1.8 kg (2.9 - 4 lbs.)	1.3 - 1.8 kg (2.9 - 4 lbs.)	1.3 - 1.8 kg (2.9 - 4 lbs.)

Cordless Angle Screwdriver

Torque change with adjust grip

Torque value can be changed only by adjust grip for quality control.



Programmable speed control

- Speed control can be programmed depending on types of joints (hard joint or soft joint) or takt time.
- Speed control program can consist of up to 6 steps.
- Speed control program you have set can be entered into the machine from your Windows (7/ 8/ 10) PC with a USB connection.
- Forward/reverse setting is available at every one of the 6 steps.

Torque indication plate

DFL020F	0.5-2 N·m
DFL063F	1.5-6.5 N·m
DFL126F	5-12 N·m
DFL303F	10-30 N·m
DFL404F	20-40 N·m



New clutch detection method

For increased durability of the clutch detection system, a contact-type method using a Micro-switch has been changed to a non-contact method using a Hall sensor.

Twin LED job light with preglow and afterglow functions



Compatible with Poka-yoke (error-proofing) system

The module can be built into the tool body.

Enhanced visibility of LED indicator status

- An LED ring indicator is located so as to illuminate forward for operator to more easily see and understand the indicator status.
- The LED indicator status and descriptions are the same as those of the existing models.



DFL020F / DFL063F



DFL126F / DFL303F
DFL404F

Maintenance alarm

- A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- Auto stop function can be additionally preset.

Compact and lightweight design

- By downsizing each part to an optimum dimensions for a low torque range model, we have reduced the weight and overall length to decrease the stress on operator's wrist and hand.
- Center height and head height lowered for better handling

Auto-Stop System

Indication lamp and beeper warn assembly worker visually and audibly of battery power reduction. If battery power reduces further, the motor automatically stops to prevent NOK fastening. (See instruction manual for detailed information on the behavior of the lamp and the beeper.)

Designed to meet homologation requirements

- Torque accuracy value: $\pm 10\%$, $\pm 3\sigma$, $C_m \geq 1.67$ obtained from our tests performed in accordance with VDI/VDE2647.

Cordless Angle Screwdriver

Accessories

Protectors head

DFL020F / DFL063F

Color: red
Part No. 422512-7



Color: blue
Part No. 422511-9



Color: yellow
Part No. 422514-3



Color: green
Part No. 422513-5



Color: clear
Part No. 422510-1



DFL126F

Color: red
Part No. 422B25-0



Color: blue
Part No. 422B26-8



Color: yellow
Part No. 422B27-6



Color: green
Part No. 422B28-4



Color: clear
Part No. 422B24-2



DFL303F / DFL404F

Color: red
Part No. 422B30-7



Color: blue
Part No. 422B31-5



Color: yellow
Part No. 422B32-3



Color: green
Part No. 422B33-1



Color: clear
Part No. 422B29-2



Protectors body

DFL020F / DFL063F

Color: red
Part No. 422517-7



Color: blue
Part No. 422516-9



Color: yellow
Part No. 422519-3



Color: green
Part No. 422518-5



Color: clear
Part No. 422515-1



DFL126F / DFL303F / DFL404F

Color: red
Part No. 422B20-0



Color: blue
Part No. 422B21-8



Color: yellow
Part No. 422B22-6



Color: green
Part No. 422B23-4



Color: clear
Part No. 422B19-5



Hook

Part No. 281012-4
(DFL126F, DFL303F, DFL304F only)



Torque adjust tool

Part No. 765027-4



USB cable

Part No. 661432-2



Dimensions

DFL020F / DFL063F



DFL126F



DFL303F / DFL404F



Cordless Angle Screwdriver

Model Spec

Cordless Angle Screwdriver
DFL020F 18V



LXT BL MOTOR



0.5-2
N-m

Cordless Angle Screwdriver
DFL063F 18V



LXT BL MOTOR



1.5-6.5
N-m

Driving Shank (Square)	9.5 mm (3/8")	9.5 mm (3/8")
No Load Speed	100 - 1,300 min ⁻¹	180 - 1,300 min ⁻¹
Fastening Torque	Hard / Soft: 0.5 - 2 / 0.5 - 2 N-m (4 - 18 / 4 - 18 in.lbs.)	Hard / Soft: 1.5 - 6.5 / 1.5 - 6.5 N-m (13 - 58 / 13 - 58 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A)	70 dB(A)
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 380 x 74 x 116 mm (15 x 2-5/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 397 x 74 x 116 mm (15-5/8 x 2-5/16 x 4-9/16")	w/ BL1815N / BL1820B: 380 x 74 x 116 mm (15 x 2-5/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 397 x 74 x 116 mm (15-5/8 x 2-5/16 x 4-9/16")
Net weight	1.3 - 1.6 kg (2.9 - 3.5 lbs.)	1.3 - 1.7 kg (2.9 - 3.8 lbs.)

Model Spec

Cordless Angle Screwdriver
DFL126F 18V



LXT BL MOTOR



5-12
N-m

Cordless Angle Screwdriver
DFL303F 18V



LXT BL MOTOR



10-30
N-m

Cordless Angle Screwdriver
DFL404F 18V



LXT BL MOTOR



20-40
N-m

Driving Shank (Square)	9.5 mm (3/8")	9.5 mm (3/8")	9.5 mm (3/8")
No Load Speed	75 - 1,000 min ⁻¹	50 - 420 min ⁻¹	50 - 310 min ⁻¹
Fastening Torque	Hard / Soft: 5 - 12 / 5 - 12 N-m (44 - 106 / 44 - 106 in.lbs.)	Hard / Soft: 10 - 30 / 10 - 30 N-m (89 - 266 / 89 - 266 in.lbs.)	Hard / Soft: 20 - 40 / 20 - 40 N-m (177 - 354 / 177 - 354 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	79 dB(A)	75 dB(A)	78 dB(A)
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 408 x 81 x 116 mm (16 x 3-3/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 426 x 81 x 116 mm (16-3/4 x 3-3/16 x 4-9/16")	w/ BL1815N / BL1820B: 456 x 81 x 116 mm (18 x 3-3/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 472 x 81 x 116 mm (18-5/8 x 3-3/16 x 4-9/16")	w/ BL1815N / BL1820B: 456 x 81 x 116 mm (18 x 3-3/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 472 x 81 x 116 mm (18-5/8 x 3-3/16 x 4-9/16")
Net weight	1.7 - 2.0 kg (3.7 - 4.4 lbs.)	2.1 - 2.4 kg (4.6 - 5.3 lbs.)	2.1 - 2.4 kg (4.6 - 5.3 lbs.)

Cordless Angle Screwdriver

Maintenance alarm

- A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- Auto stop function can be additionally preset.

Programmable speed control

- Speed control can be programmed depending on types of joints (hard joint or soft joint) or takt time.
- Speed control program can consist of up to 6 steps.
- Speed control program you have set can be entered into the machine from your Windows (7/ 8/ 10) PC with a USB connection.
- Forward/reverse setting is available at every one of the 6 steps.

Torque indication plate

DFL083F **2-8 N·m**
DFL204F **8-20 N·m**



Single LED job light with afterglow function



Auto-Stop System

Indication lamp and beeper warn assembly worker visually and audibly of battery power reduction. If battery power reduces further, the motor automatically stops to prevent NOK fastening. (See instruction manual for detailed information on the behavior of the lamp and the beeper.)

Designed to meet homologation requirements

- Torque accuracy value: $\pm 10\%$, $\pm 3\sigma$, $C_m \geq 1.67$ obtained from our tests performed in accordance with VDI/VDE2647.

Accessories

Protectors

DFL083F/DFL204F



Color: red
Part No. 422279-7



Color: blue
Part No. 422280-2



Color: yellow
Part No. 422281-0



Color: white
Part No. 422282-8



Color: red
Part No. 455849-7



Color: blue
Part No. 455850-2



Color: yellow
Part No. 455851-0



Color: white
Part No. 455852-8

Cordless Angle Screwdriver

Accessories

Anti kick back head set

DFL083F/DFL204F
Part No. 199065-8



Torque adjust tool

Part No. 765027-4



Hook

Part No. 281012-4



Dimensions

DFL083F / DFL204F



Model Spec

Cordless Angle Screwdriver
DFL083F 14.4V



LXT BL MOTOR



2-8
N·m

Cordless Angle Screwdriver
DFL204F 14.4V



LXT BL MOTOR



8-20
N·m

Driving Shank (Square)	9.5 mm (3/8")	9.5 mm (3/8")
No Load Speed	150 - 700 min ⁻¹	100 - 440 min ⁻¹
Fastening Torque	Hard / Soft: 2 - 8 / 2 - 8 N·m (18 - 71 / 18 - 71 in.lbs.)	Hard / Soft: 8 - 20 / 8 - 20 N·m (71 - 177 / 71 - 177 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A)	70 dB(A)
Dimensions (L x W x H)	w/ BL1415N: 464 x 74 x 98 mm (18-1/4 x 2-15/16 x 3-7/8")	w/ BL1415N: 464 x 74 x 98 mm (18-1/4 x 2-15/16 x 3-7/8")
	w/ BL1430 / BL1440 / BL1450 / BL1460B: 481 x 74 x 98 mm (19 x 2-15/16 x 3-7/8")	w/ BL1430 / BL1440 / BL1450 / BL1460B: 481 x 74 x 98 mm (19 x 2-15/16 x 3-7/8")
Net weight	1.7 - 2.1 kg (3.8 - 4.7 lbs.)	1.7 - 2.1 kg (3.8 - 4.7 lbs.)

Cordless Angle Screwdriver

High torque accuracy

±10%, ±3σ, Cm≥1.67

Torque change with adjust grip

Torque value can be changed only by adjust grip for quality control.



Programmable speed control

- By installing a dedicated application on your Windows PC, details of speed control can be programmed depending on types of joints (hard joint or soft joint) or takt time.
- Speed control program can consist of up to 6 steps
- Speed control program you have set can be entered into the machine from your Windows PC with a USB connection.
- Forward/reverse setting is available at every one of the 6 steps.

LED indicator and Buzzer



Rigid and compact steel angle head with elastomer cover for non-slip operation and protection of work surface



LED job light

LED job light remains turn on for 10 seconds after fastening has been completed.



Ergonomically designed handle

reduces operator muscle stress while providing a sure grip even when high vibratory reaction is delivered to the hand of operator.



High max tightening torque of 65 N·m (580 in·lbs)

DFL651F is designed to provide high torque - up to 65 N·m (580 in·lbs), which is generally required by not only automobile manufacturers but also construction equipment manufacturers.

Maintenance alarm

- A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- Auto stop function can be additionally preset.

Accessories

Protectors

Color: red
Part No. 455845-5



Color: blue
Part No. 455846-3



Color: yellow
Part No. 455847-1



Color: white
Part No. 455848-9



Cordless Angle Screwdriver

Accessories

Protectors

Color: red
Part No. 455849-7



Color: blue
Part No. 455850-2



Color: yellow
Part No. 455851-0



Color: white
Part No. 455852-8



Protectors

Color: red
Part No. 455891-8



Color: blue
Part No. 455892-6



Color: yellow
Part No. 455893-4



Color: white
Part No. 455894-2



Color: black
Part No. 455890-0



Accessories

Battery protector

Battery: BL1815N / BL1820B
Part No. 459937-2

Battery: BL1830B / BL1840B
BL1850B / BL1860B
Part No. 459938-0



Anti kick back head set

Part No. 197045-8



Torque adjust tool

Part No. 765027-4



Dimensions



Model Spec

Cordless Angle Screwdriver DFL651F 18V



25-65
N·m

Driving Shank (Square)	9.5 / 12.7 mm (3/8 / 1/2")
No Load Speed	80 - 200 min ⁻¹
Fastening Torque	Hard / Soft: 25 - 65 / 25 - 65 N·m (220 - 580 / 220 - 580 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	72 dB(A)
Dimensions (L x W x H)	w/ BL1815N / BL1820B: 583 x 75 x 116 mm (23 x 2-15/16 x 4-9/16") w/ BL1830B / BL1840B / BL1850B / BL1860B: 600 x 75 x 116 mm (23-5/8 x 2-15/16 x 4-9/16")
Net weight	2.5 - 2.9 kg (5.5 - 6.5 lbs.)

Torque Tracer

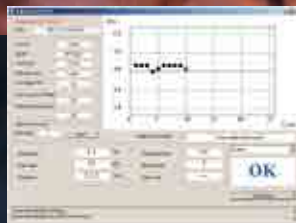
Makita Wireless Fastening Data Capture System



- With TORQUE TRACER enables
- Torque Judge/angle monitor
 - Torque Judge/angle judge
 - Torque monitor/angle judge
 - Torque monitor/angle monitor
 - Run-down monitoring
 - Double hit detection
 - Etc...



Multi language menu



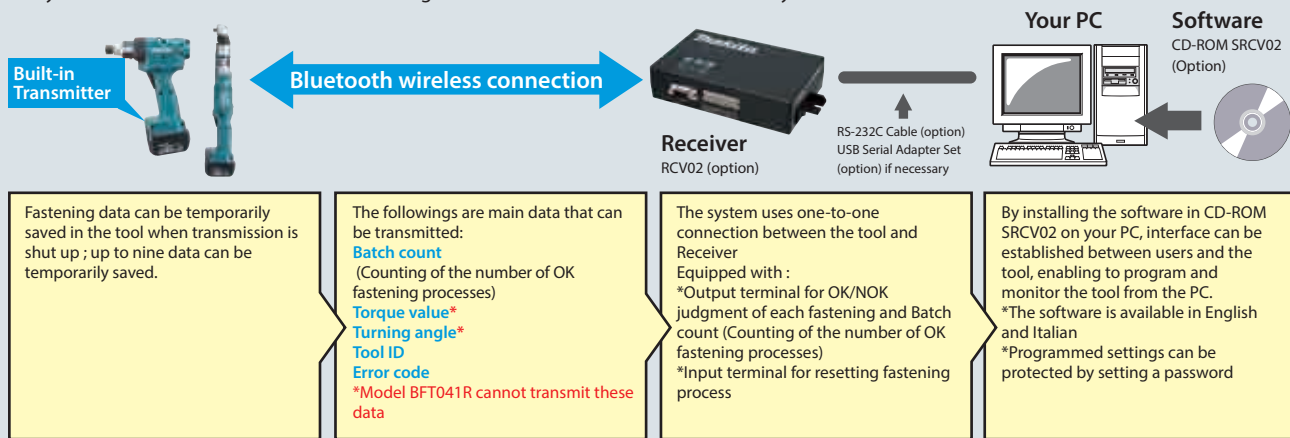
Visible interface



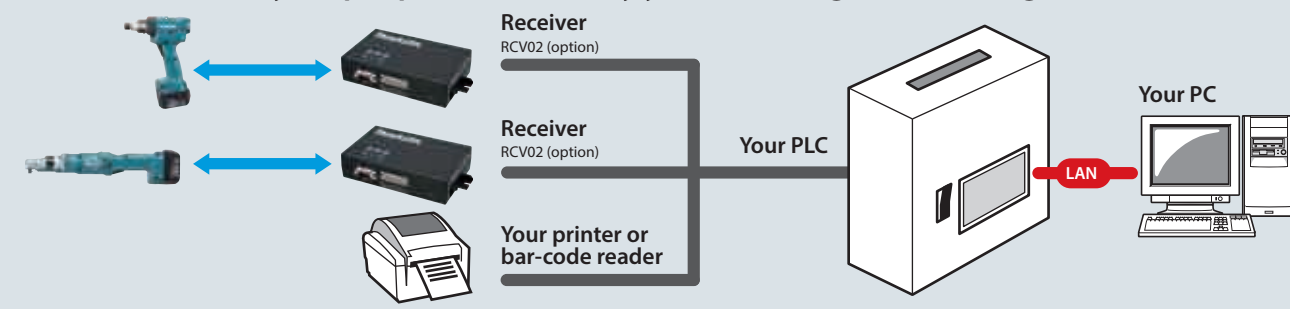
Extraction data

Tool + Receiver + Your PC (Fastening Data Saving)

This system enables to transmit various fastening data from the tool and to save them in your PC via Receiver RCV02



Can be extended to your peripheral devices by your PLC (Programmable logic controller)



Highly Reliable Communication System by Bluetooth
 interactive communication and a strong resistance against radio interference



 **Torque Tracer** Series

Constant fastening torque

Torque Tracer

Makita Wireless Fastening Data Capture System



Transmitter

Fastening data transmission by Bluetooth

Torque value	Angle	OK/ NOK	Error code	Tool ID
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Optional
Receiver RCV02



Cordless Screw Driver / Cordless Angle Screwdriver

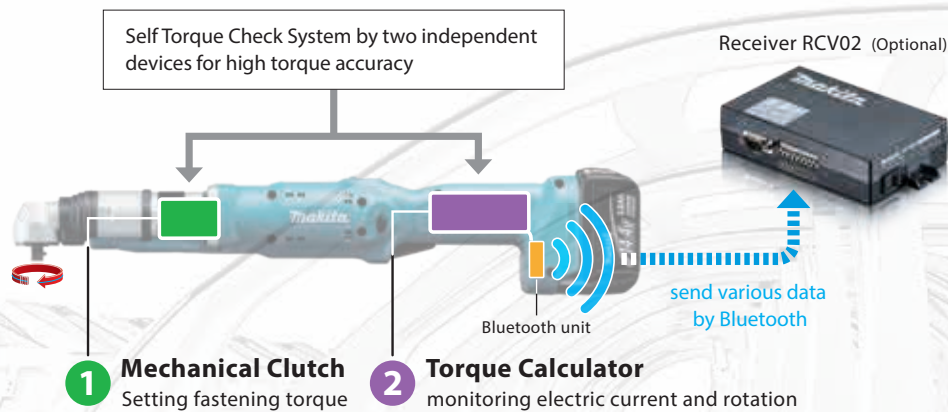


High Torque Accuracy

Self Torque Check System by two independent devices

High torque accuracy

±10%, ±3σ, Cm≥1.67



Adjust grip for torque setting

(Optional)
Adjust grip
Part No. 765027-4



Auto-stop system and on-off switch with delayed restarter

Prevent defective on production and keep quality



When a battery is discharged, indication lamp and beeper start warning and then the motor stops automatically

The tool remains still for 1 second after fastening is completed.

Indication Lamp & Beeper

Warn and prevent errors on production.



Soft start

It prevents a screw from leaning and make it easier to point the screw.



LED job light

LED job light remains turn on for 10 seconds after fastening has been completed.



Ergonomically designed handle with sure grip

Ergonomic designed housing decreases work load from users.



Torque indication plate

Color coded plate for easy model identification



Accessories

Protectors

DFT041R / DFT082R / DFT124R

Part No. 418425-8 (red)
418424-0 (blue)
418423-2 (yellow)
450331-1 (clear)



DFL301R / DFL402R

Part No. 418744-2 (red)
418743-4 (blue)
418691-7 (yellow)
418745-0 (clear)



DFL301R / DFL402R

Part No. 418750-7 (red)
418749-2 (blue)
418693-3 (yellow)
418751-5 (clear)



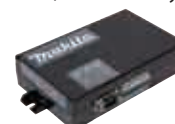
Torque adjust tool

Part No. 765027-4



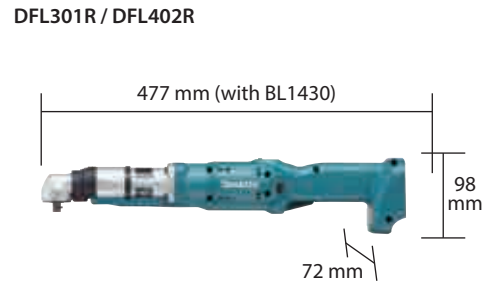
Receiver RCV02

Part No. 194480-1 194444-5
195392-1
199242-2 (DFT082R only)



Cordless Screw Driver / Cordless Angle Screwdriver

Dimensions



Model Spec

Cordless Screwdriver
DFT041R 14.4V



Torque Tracer
LXT BL MOTOR



1-4
N·m

Cordless Screwdriver
DFT082R 14.4V



Torque Tracer
LXT BL MOTOR



4-8
N·m

Cordless Screwdriver
DFT124R 14.4V



Torque Tracer
LXT BL MOTOR



6-12
N·m

Driving Shank (Hex)	6.35 mm (1/4")	6.35 mm (1/4")	6.35 mm (1/4")
No Load Speed	800 min ⁻¹	860 min ⁻¹	600 min ⁻¹
Fastening Torque	Hard / Soft: 1 - 4 / 1 - 4 N·m (8.9 - 35 / 8.9 - 35 in.lbs.)	Hard / Soft: 4 - 8 / 4 - 8 N·m (35 - 71 / 35 - 71 in.lbs.)	Hard / Soft: 6 - 12 / 6 - 12 N·m (53 - 106 / 53 - 106 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	70 dB(A) or less	70 dB(A) or less	70 dB(A) or less
Dimensions (L x W x H)	w/ BL1430: 191 x 72 x 266 mm (7-1/2 x 2-13/16 x 10-1/2")	w/ BL1430: 191 x 72 x 266 mm (7-1/2 x 2-13/16 x 10-1/2")	w/ BL1430: 191 x 72 x 266 mm (7-1/2 x 2-13/16 x 10-1/2")
Net weight	1.3 - 1.8 kg (2.9 - 4 lbs.)	1.3 - 1.8 kg (2.9 - 4 lbs.)	1.3 - 1.8 kg (2.9 - 4 lbs.)

Cordless Angle Screwdriver
DFL301R 14.4V



Torque Tracer
LXT BL MOTOR



16-30
N·m

Cordless Angle Screwdriver
DFL402R 14.4V



Torque Tracer
LXT BL MOTOR



25-40
N·m

Driving Shank (Square)	9.5 mm (3/8")	9.5 mm (3/8")
No Load Speed	260 min ⁻¹	200 min ⁻¹
Fastening Torque	Hard / Soft: 16 - 30 / 16 - 30 N·m (142 - 266 / 142 - 266 in.lbs.)	Hard / Soft: 25 - 40 / 25 - 40 N·m (221 - 354 / 221 - 354 in.lbs.)
Vibration Level	Screwdriving w/o Impact: 2.5 m/s ² or less	Screwdriving w/o Impact: 2.5 m/s ² or less
Sound Pressure Level	74 dB(A) or less	72 dB(A) or less
Dimensions (L x W x H)	w/ BL1430: 477 x 72 x 98 mm (18-3/4 x 2-13/16 x 3-7/8")	w/ BL1430: 477 x 72 x 98 mm (18-3/4 x 2-13/16 x 3-7/8")
Net weight	1.8 - 2.2 kg (4 - 4.8 lbs.)	1.8 - 2.2 kg (4 - 4.8 lbs.)

Cordless Impact Driver / Cordless Impact Wrench



Torque shut-off screw drivers

Minimized wobbling of anvil

Two ball bearings in the newly designed hammer case hold the anvil to drastically reduce the wobbling of the anvil.

Large LED indicator

features a large LED light on the rear side of Motor housing for added visibility.



Automatic battery shut-off system

If battery power reduces further, the motor automatically stops to avoid incomplete fastenings.

Twin LED job light with preglow and after glow functions



Automatic impact stop system

- Once a preset fastening time is reached after a screw has been seated, the automatic impact stop system stops the motor to prevent under- and over-tightening.
- The time of impact fastening can be set using PC.

Compatible with Poka-yoke (error-proofing) system

The module can be built into the tool body.



Accessories

Protectors

DTDA040 / DTDA070 / DTWA070

Part No. 459404-7 (red)

Part No. 459405-5 (blue)

Part No. 459406-3 (yellow)

Part No. 459407-1 (green)

Part No. 459997-4 (green-D)

Part No. 459408-9 (clear)

DTDA100 / DTDA140 / DTWA100 / DTWA140 / DTWA190

Part No. 459409-7 (red)

Part No. 459410-2 (blue)

Part No. 459411-0 (yellow)

Part No. 4459412-8 (green)

Part No. 459998-2 (green-D)

Part No. 459413-6 (clear)



Protectors

DTA260

Part No. 413B75-6 (clear)



Hook

Part No. 281012-4



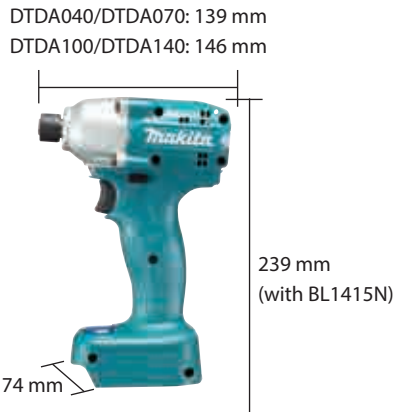
USB cable

Part No. 661432-2



Cordless Impact Driver / Cordless Impact Wrench

Dimensions



Model Spec

Cordless Impact Driver

DTDA040 14.4V



LXT BL MOTOR



35
N·m

Capacity	Standard Bolt: M5 - M10 (3/16 - 3/8") High Strength Bolt: M5 - M8 (3/16 - 5/16") Steel: 22 mm (7/8")
No Load Speed	0 - 2,400 min ⁻¹
Impacts Per Minute	0 - 3,700 min ⁻¹
Max Fastening Torque	35 N·m (310 in.lbs.)
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 4.5 m/s ²
Sound Pressure Level	93 dB(A)
Sound Power Level	101 dB(A)
Dimensions (L x W x H)	w/ BL1415N: 139 x 74 x 239 mm (5-1/2 x 2-15/16 x 9-3/8") w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 139 x 74 x 256 mm (5-1/2 x 2-15/16 x 10-1/8")
Net weight	1.1 - 1.4 kg (2.4 - 3.1 lbs.)

Model Spec

Cordless Impact Driver DTDA070 14.4V



LXT BL MOTOR



65
N·m

Cordless Impact Driver DTDA100 14.4V



LXT BL MOTOR



95
N·m

Cordless Impact Driver DTDA140 14.4V



LXT BL MOTOR



140
N·m

Capacity	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8") Steel: 22 mm (7/8")	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Standard Bolt: M6 - M16 (1/4 - 5/8") High Strength Bolt: M6 - M12 (1/4 - 1/2") Steel: 22 mm (7/8")
No Load Speed	0 - 2,500 min ⁻¹	0 - 2,700 min ⁻¹	0 - 2,700 min ⁻¹
Impacts Per Minute	0 - 3,700 min ⁻¹	0 - 3,300 min ⁻¹	0 - 3,300 min ⁻¹
Max Fastening Torque	65 N·m (575 in.lbs.)	95 N·m (840 in.lbs.)	140 N·m (1,240 in.lbs.)
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 7.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²
Sound Pressure Level	95 dB(A)	97 dB(A)	97 dB(A)
Sound Power Level	103 dB(A)	105 dB(A)	105 dB(A)
Dimensions (L x W x H)	w/ BL1415N: 139 x 74 x 239 mm (5-1/2 x 2-15/16 x 9-3/8") w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 139 x 74 x 256 mm (5-1/2 x 2-15/16 x 10-1/8")	w/ BL1415N: 146 x 74 x 239 mm (5-3/4 x 2-15/16 x 9-3/8") w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 146 x 74 x 256 mm (5-3/4 x 2-15/16 x 10-1/8")	w/ BL1415N: 146 x 74 x 239 mm (5-3/4 x 2-15/16 x 9-3/8") w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 146 x 74 x 256 mm (5-3/4 x 2-15/16 x 10-1/8")
Net weight	1.1 - 1.4 kg (2.4 - 3.1 lbs.)	1.2 - 1.5 kg (2.7 - 3.3 lbs.)	1.2 - 1.5 kg (2.7 - 3.3 lbs.)

Cordless Impact Driver / Cordless Impact Wrench

Dimensions

DTWA070: 144 mm DTWA100: 151mm
DTWA140/DTWA190: 158 mm



DTWA260: 161 mm



Model Spec

Cordless Impact Wrench

DTWA070

14.4V



LXT BL MOTOR



65 N·m

Cordless Impact Wrench

DTWA100

14.4V



LXT BL MOTOR



95 N·m

Square Drive	9.5 mm (3/8")	9.5 mm (3/8")
Capacity	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")
No Load Speed	0 - 2,500 min ⁻¹	0 - 2,700 min ⁻¹
Impacts Per Minute	0 - 3,700 min ⁻¹	0 - 3,300 min ⁻¹
Max Fastening Torque	65 N·m (48 ft.lbs.)	95 N·m (70 ft.lbs.)
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²
Sound Pressure Level	92 dB(A)	93 dB(A)
Sound Power Level	103 dB(A)	104 dB(A)
Dimensions (L x W x H)	w/ BL1415N: 144 x 74 x 239 mm (5-5/8 x 2-15/16 x 9-3/8")	w/ BL1415N: 151 x 74 x 239 mm (5-15/16 x 2-15/16 x 9-3/8")
	w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 144 x 74 x 256 mm (5-5/8 x 2-15/16 x 10-1/8")	w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 151 x 74 x 256 mm (5-15/16 x 2-15/16 x 10-1/8")
Net weight	1.1 - 1.4 kg (2.4 - 3.1 lbs.)	1.2 - 1.5 kg (2.7 - 3.3 lbs.)

Model Spec

Cordless Impact Wrench

DTWA140

14.4V



LXT BL MOTOR



140 N·m

Cordless Impact Wrench

DTWA190

14.4V



LXT BL MOTOR



185 N·m

Cordless Impact Wrench

DTWA260

18V



LXT BL MOTOR



260 N·m

Square Drive	12.7 mm (1/2")	12.7 mm (1/2")	12.7 mm (1/2")
Capacity	Standard Bolt: M6 - M16 (1/4 - 5/8") High Strength Bolt: M6 - M12 (1/4 - 1/2")	Standard Bolt: M8 - M16 (5/16 - 5/8") High Strength Bolt: M8 - M14 (5/16 - 9/16")	Standard Bolt: M14 - M20 (9/16 - 3/4") High Strength Bolt: M10 - M16 (3/8 - 5/8")
No Load Speed	0 - 2,700 min ⁻¹	0 - 2,600 min ⁻¹	0 - 2,800 min ⁻¹
Impacts Per Minute	0 - 3,300 min ⁻¹	0 - 3,000 min ⁻¹	0 - 3,400 min ⁻¹
Max Fastening Torque	140 N·m (103 ft.lbs.)	185 N·m (136 ft.lbs.)	260 N·m (190 ft.lbs.)
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 10.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 10.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 15.5 m/s ²
Sound Pressure Level	96 dB(A)	95 dB(A)	99 dB(A)
Sound Power Level	107 dB(A)	106 dB(A)	107 dB(A)
Dimensions (L x W x H)	w/ BL1415N: 158 x 74 x 239 mm (6-1/4 x 2-15/16 x 9-3/8")	w/ BL1415N: 158 x 74 x 239 mm (6-1/4 x 2-15/16 x 9-3/8")	w/ BL1830B / BL1840B / BL1850B / BL1860B: 161 x 82 x 265 mm (6-3/8 x 3-1/4 x 10-3/8")
	w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 158 x 74 x 256 mm (6-1/4 x 2-15/16 x 10-1/8")	w/ BL1430(B) / BL1440 / BL1450 / BL1460B: 158 x 74 x 256 mm (6-1/4 x 2-15/16 x 10-1/8")	
Net weight	1.2 - 1.5 kg (2.7 - 3.3 lbs.)	1.3 - 1.6 kg (2.9 - 3.5 lbs.)	1.8 kg (4.0 lbs.)

Cordless Impact Driver / Cordless Impact Wrench



Impact Driver Series with "Torque stabilization system."

Ultra light weight "1kg"^{*1}

Automatic battery shut-off system to avoid incomplete fastenings



Ultra
light weight
1.0kg^{*1}
(include a battery)

Compact
144^{*2}
mm
(Overall Length)

*1 DTD043/DTD063/DTD103/DTW073/DTW103 (when use with BL1415NA)

*2 All Model of Cordless Impact Driver

Accessories

Protectors

DTD043

Part No. 454422-0 (red)



Part No. 454420-4 (blue)



Part No. 454421-2 (clear)



TD112D

Part No. 422718-7 (clear)



Battery protector

DTD043

Battery: BL1460A

Part No. 457041-1



Battery: BL1041

Part No. 413F00-1



Battery: BL1016 / BL1021B

Part No. 413F99-0



Hook

TD112D

Part No. 281012-4



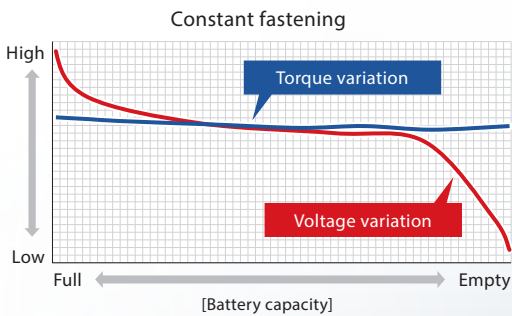
Cordless Impact Driver / Cordless Impact Wrench

"Torque calibration system"^{*3}

ADVANCED TORQUE CALIBRATION SYSTEM

Auto-Stop setting for number of impacts

(DTD064 / DTD104 / DTW074 / DTW104)



This tool has a convenient auto-stop mechanism that allows you to preset the desired number of impacts in terms of the application. The tool then stops automatically after reaching the preset number of impacts.

Auto-stop mechanism to prevent incomplete fastening

The tool stops automatically after the battery capacity reaches under 20% on BL1430A or 15% on BL1415NA to prevent the lack of fastening torque. Charge the battery or use a new fully charged one.

*3 DTD064/DTD104/DTW074/DTW104 [with Auto-stop function]



*Bits and batteries are optional.

Dimensions

DTD064/ DTD104
DTD043/ DTD063
DTD103



TD091D



TD112D



DTW074/ DTW104/
DTW073/ DTW103



Cordless Impact Driver / Cordless Impact Wrench

Model Spec

Cordless Impact Driver
DTD064 14.4V



LXT



65
N·m

Cordless Impact Driver
DTD104 14.4V



LXT



95
N·m

Capacity	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")
No Load Speed	0 - 2,500 min ⁻¹	0 - 2,700 min ⁻¹
Impacts Per Minute	0 - 3,500 min ⁻¹	0 - 3,500 min ⁻¹
Max Fastening Torque	65 N·m (575 in.lbs.)	95 N·m (841 in.lbs.)
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 7.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²
Sound Pressure Level	91 dB(A)	93 dB(A)
Sound Power Level	102 dB(A)	104 dB(A)
Dimensions (L x W x H)	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")
Net weight	1 kg (2.3 lbs.)	1.1 - 1.3 kg (2.3 - 2.9 lbs.)

Cordless Impact Driver
DTD043 14.4V



LXT



35
N·m

Cordless Impact Driver
DTD063 14.4V



LXT



65
N·m

Cordless Impact Driver
DTD103 14.4V



LXT



95
N·m

Capacity	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M10 (3/16 - 3/8") High Strength Bolt: M5 - M6 (3/16 - 1/4") Steel: 22 mm (7/8")	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8") Steel: 22 mm (7/8")	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8") Steel: 22 mm (7/8")
No load speed	0 - 2,300 min ⁻¹	0 - 2,500 min ⁻¹	0 - 2,700 min ⁻¹
Impacts per minute	0 - 3,500 min ⁻¹	0 - 3,500 min ⁻¹	0 - 3,500 min ⁻¹
Max fastening torque	35 N·m (310 in.lbs.)	65 N·m (575 in.lbs.)	95 N·m (841 in.lbs.)
Vibration level	Impact tightening of fasteners of the maximum capacity of the tool: 5.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 7.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²
Sound pressure level	89 dB(A)	91 dB(A)	93 dB(A)
Sound power level	100 dB(A)	102 dB(A)	104 dB(A)
Dimensions (L x W x H)	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")
Net weight	1 - 1.2 kg (2.2 - 2.7 lbs.)	1 - 1.3 kg (2.3 - 2.8 lbs.)	1 - 1.3 kg (2.3 - 2.8 lbs.)

Cordless Impact Driver / Cordless Impact Wrench

Model Spec

Cordless Impact Driver
TD091D 10.8V



90
N·m

Cordless Impact Driver
TD112D 12V max



Cordless Impact Wrench
DTW074 14.4V



65
N·m

Square drive	-	-	9.5 mm (3/8")
Capacity	Machine Screw: M4 - M8 (5/32 - 5/16") Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Standard Bolt: M5 - M14 (3/16 - 9/16") High Strength Bolt: M5 - M12 (3/16 - 1/2")	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")
No load speed	0 - 2,400 min ⁻¹	Hard / Soft: 0 - 3,000 / 0 - 2,000 min ⁻¹	0 - 2,500 min ⁻¹
Impacts per minute	0 - 3,000 min ⁻¹	Hard / Soft: 0 - 3,900 / 0 - 3,300 min ⁻¹	0 - 3,500 min ⁻¹
Max fastening torque	90 N·m (800 in.lbs.)	Hard / Soft: 135 N·m (1,200 in.lbs.) / 80 N·m (700 in.lbs.)	65 N·m (575 in.lbs.)
Vibration level	Impact tightening of fasteners of the maximum capacity of the tool: 7.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 10.9 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s ²
Sound pressure level	91 dB(A)	93 dB(A)	91 dB(A)
Sound power level	102 dB(A)	104 dB(A)	102 dB(A)
Dimensions (L x W x H)	w/ BL1013: 134 x 54 x 200 mm (5-1/4 x 2-1/8 x 7-7/8")	w/ BL1016/BL1021B: 145 x 64 x 221 mm (5-3/4 x 2-1/2 x 8-3/4") w/ BL1041B: 145 x 64 x 240 mm (5-3/4 x 2-1/2 x 9-1/2")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")
Net weight	0.86 kg (1.9 lbs.)	0.99 - 1.2 kg (2.2 - 2.6 lbs.)	1.1 - 1.3 kg (2.3 - 2.9 lbs.)

Cordless Impact Wrench
DTW104 14.4V



95
N·m

Cordless Impact Wrench
DTW073 14.4V



65
N·m

Cordless Impact Wrench
DTW103 14.4V



95
N·m

Square drive	9.5 mm (3/8")	9.5 mm (3/8")	9.5 mm (3/8")
Capacity	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")	Standard Bolt: M5 - M12 (3/16 - 1/2") High Strength Bolt: M5 - M10 (3/16 - 3/8")
No load speed	0 - 2,700 min ⁻¹	0 - 2,500 min ⁻¹	0 - 2,700 min ⁻¹
Impacts per minute	0 - 3,500 min ⁻¹	0 - 3,500 min ⁻¹	0 - 3,500 min ⁻¹
Max fastening torque	95 N·m (841 in.lbs.)	65 N·m (575 in.lbs.)	95 N·m (841 in.lbs.)
Vibration level	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.5 m/s ²
Sound pressure level	95 dB(A)	91 dB(A)	92 dB(A)
Sound power level	103 dB(A)	102 dB(A)	103 dB(A)
Dimensions (L x W x H)	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")	w/ BL1415NA: 144 x 74 x 216 mm (5-5/8 x 2-15/16 x 8-1/2") w/ BL1430A: 144 x 74 x 234 mm (5-5/8 x 2-15/16 x 9-1/4")
Net weight	1.1 kg (2.4 lbs.)	1.3 - 1.6 kg (2.9 - 3.5 lbs.)	1 - 1.3 kg (2.3 - 2.8 lbs.)

Li-ion Battery & Charging Time Reference, Compatibility Chart

		18V Lithium-ion		14.4V Lithium-ion		DC18RC 	DC18SF Four Port Multi Charger 	DC18SD 	DC18SE (Automotive) 	DC18SH* 	DC18WC
6.0 Ah	BL1860B 	BL1460A 	BL1460B 	Fast Charging 55min.	130min. 1 to 2 batteries 260min. 3 to 4 batteries	130min.	160min.				
5.0 Ah	BL1850B 			Fast Charging 45min.	110min. 1 to 2 batteries 220min. 3 to 4 batteries	110min.	135min.				
4.0 Ah	BL1840B 	BL1440 			Fast Charging 36min.	90min. 1 to 2 batteries 180min. 3 to 4 batteries	90min.	110min.			
3.0 Ah	BL1830B 	BL1430 			Fast Charging 22min.	60min. 1 to 2 batteries 120min. 3 to 4 batteries	60min.	80min.			
2.0 Ah	BL1820B 			Fast Charging 24min.	45min. 1 to 2 batteries 90min. 3 to 4 batteries	45min.	55min.				
1.5 Ah	BL1815N 	BL1415N 	BL1415NA with Battery fuel gauge 	Fast Charging 15min.	30min. 1 to 2 batteries 60min. 3 to 4 batteries	30min.	40min.				

		12Vmax Lithium-ion		DC10SB 	DC10WD 		
5.0 Ah	BL1050B 	DC18RE** 				Fast Charging 75min.	160min.
4.0 Ah	BL1041B 			Fast Charging 60min.	130min.		
2.0 Ah	BL1021B 			Fast Charging 30min.	70min.		
1.5 Ah	BL1016 			Fast Charging 22min.	50min.		

		10.8V Lithium-ion		DC10WA 	DC10WB
1.5 Ah	BL1015K 	50min.			

*DC18RD / DC18SH: Two Port Multi Fast Charger

**DC18RE: CXT & LXT Dual port Fast Charger



Makita Corporation

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

www.makita.com