



PRODUCTION & ASSEMBLY

PRODUCT CATALOG

makitaassemblytools.com

WHY MAKITA® CORDLESS?

INNOVATIVE CORDLESS TECHNOLOGY

Makita designs and manufactures innovative cordless tools utilizing the latest advanced technology that allows professionals the ability to use cordless tools on tasks previously thought to be impossible. Our goal in designing manufacturing & assembly cordless tools is to break away from the historical method of costly air hose operation and allow the operator freedom with a powerful, accurate and ergonomic solution.

REDUCED ENERGY COSTS

Less Energy Consumption needed to power cordless tools than to power pneumatic tooling.

Extreme Energy Savings by eliminating air line and air tool leakage.

Higher Quality Control by reducing damage to manufactured products often caused by hoses and cords.

Reduced Operating Costs and down time by eliminating oilers and oil maintenance.

Reduced Maintenance Costs by minimizing down time to repair damaged products.

MORE FREEDOM

More Flexibility to roam from one workspace to the next.

Greater Access and Maneuverability in confined workspaces and inside closed compartments.

Increased Efficiency with the ability to interchange tools from one application to the next.

Easier to Reposition Fastening System when assembly lines need to be rerouted, expanded or eliminated.

Quicker Recoveries from power interruptions.

SAFER WORKPLACE

Reduced Hazards caused by air hoses laying across floors or hanging from ceiling.

Lighter Weight with Ergonomic Design for operator control.

Lower Vibration and Noise for operator comfort.

Environmentally Friendly low toxicity battery platforms.

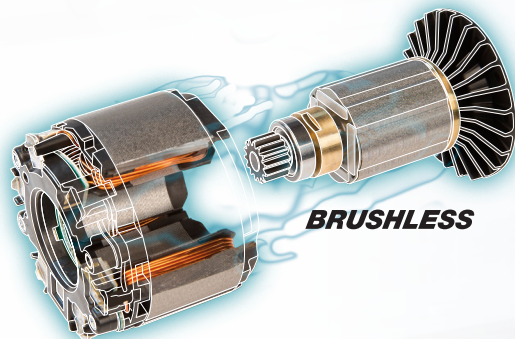


BRUSHLESS MOTOR

UP TO 50% LONGER MOTOR LIFE

The Makita-built brushless motor eliminates carbon brushes, enabling the motor to run cooler and more efficiently for longer life.

The electronically-controlled brushless motor efficiently uses energy to match torque and RPM to the changing demands of the application.



LOW-REACTION TECHNOLOGY

BENEFITS

Dramatically reduces repetitive motion stress experience when operating clutch-based tools within assembly facilities.

Reduces cumulative wrist strain, operator fatigue, lowers the instance of injury caused by repetitive fastening tasks, and can reduce company healthcare costs related to repetitive motion stress.

TECHNOLOGY

Clutch components utilizing proprietary, patented technology significantly reduces the "kickback" experienced once final torque is applied by clutch tooling. Available as a retrofit conversion to existing Makita pistol and right angle clutch tools or included as OEM component on new tool purchase from Makita.



PRODUCTION & ASSEMBLY

PRODUCT CATALOG

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BRUSHLESS PROGRAMMABLE SCREWDRIVERS

PRECISION TORQUE CONTROL

"Real World" accuracy has earned certification within major automotive and aerospace assemblers achieving repeatability within 4% of mean torque

LXT® 18V

Lightweight and Ergonomic

Only 6-3/8" in length and weighs only 3.3 lbs. with battery
(DFT024FMZ and DFT025FMZ models)



Built-In L.E.D. Light

Illuminates work surface for better visibility in low light environments



18V LXT® Compatibility

Makita's 18V LXT® battery is compatible with over 350 LXT® cordless tools (battery not included)

Audible Signal

For incomplete or bad fastening

DFT087FM1Z

18V Lithium-Ion Brushless Cordless 1/4" Hex Screwdriver, Tool Only
(Battery not included)

Color-Coded Identification Plate
With unique I.D. number



Large Pass/Fail L.E.D.

Indicates sufficient and insufficient fastening achievement and audibly alerts operator to failed fastenings



7-Phase Rundown Programming

Program RPM, Directional, and Angle strategies via USB port for multi-stage rundown control. Provides better quality fastening and assists in cross-thread detection.



Wireless Poka-Yoke Capability

Allows for wireless confirmation of fastening to PLC, ensuring additional error-proofing in your process

Brushless Motor

Makita-built motor technology provides higher speeds and advanced monitoring

MAINTENANCE MODE

- Included software has the ability to pre-program a maintenance cycle
- Tool notifies operator at maintenance interval for calibration and/or preventative maintenance needed

SMART SYSTEM

Auto Battery Shutoff

- Shuts off the tool when battery capacity is less than 5%
- Ensures consistent fastening torque

ACCESSORIES

TOOL PROTECTORS

	424985-0	424986-8	424987-6	424984-2	422921-0	422922-8	422923-6	422920-2
Color	Red	Blue	Yellow	Clear	Red	Blue	Yellow	Clear
Applicable Models	DFT024/DFT025/DFT060				DFT087/DFT129			



424985-0

TORQUE ADJUSTING KEY

765027-4



TOOL HOOK

281012-4



PRECISION TORQUE SCREWDRIVERS



LXT BRUSHLESS



LXT BRUSHLESS



LXT BRUSHLESS

	DFT024FMZ / DFT024FMZX1*	DFT025FMZ / DFT025FMZX1*	DFT060FMZ / DFT060FMZX1*
Voltage	18V LXT®	18V LXT®	18V LXT®
Capacities	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank
Fastening Torque	0.5 – 2 Nm (4 – 18 in. lbs.)	0.5 – 2 Nm (4 – 18 in. lbs.)	1.5 – 6.5 Nm (13 – 58 in. lbs.)
No Load Speed (RPM)	260 – 1,600	100 – 1,300	100 – 1,300
Length (w/Battery)	6-3/8"	6-3/8"	6-3/8"
Height (w/Battery)	10-1/8"	10-1/8"	10-1/8"
Width (w/Battery)	2-15/16"	2-15/16"	2-15/16"
Weight (w/Battery)	3.3 lbs	3.3 lbs	3.3 lbs
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B		



LXT BRUSHLESS



LXT BRUSHLESS



LXT BRUSHLESS

	DFT087FM1Z / DFT025FM1ZX1*	DFT129FM1Z / DFT129FM1ZX1*	DFT127FMAZ**
Voltage	18V LXT®	18V LXT®	14.4V
Capacities	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank
Fastening Torque	3 – 8 Nm (27 – 71 in. lbs.)	5 – 12 Nm (44 – 106 in. lbs.)	5 – 12 Nm (44 – 106 in. lbs.)
No Load Speed (RPM)	100 – 1,250	70 – 900	100 – 600
Length (w/Battery)	7"	7"	7-1/2"
Height (w/Battery)	9-1/2"	9-1/2"	9-3/8"
Width (w/Battery)	3-3/16"	3-3/16"	2-13/16"
Weight (w/Battery)	3.5 lbs	3.5 lbs	2.8 lbs
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B		BL1415NA, BL1430B, BL1460A

*X1 models are wireless poka-yoke capable
**FMAZ suffix indicates Low-Reaction model.

LITHIUM-ION BATTERIES & CHARGERS

LITHIUM-ION BATTERIES

	BL1820B	BL1830B	BL1840B	BL1850B	BL1860B	BL1415NA	BL1430B	BL1460A
Voltage	18V LXT®	18V LXT®	18V LXT®	18V LXT®	18V LXT®	14.4V	14.4V	14.4V
Amp Hours	2.0Ah	3.0Ah	4.0Ah	5.0Ah	6.0Ah	1.5Ah	3.0Ah	6.0Ah
Charge Time	25 min	30 min	40 min	45 min	55 min	15 min	30 min	55 min
Chargers	DC18RC, DC18RD, DC18SF							

LITHIUM-ION CHARGERS

DC18RC
Rapid Optimum
Charger



DC18RD
Dual Port Rapid
Optimum Charger



DC18SF
4-Port Charger



BRUSHLESS PROGRAMMABLE RIGHT ANGLE NUT-RUNNERS

PRECISION TORQUE CONTROL

"Real World" accuracy has earned certification within major automotive and aerospace assemblers achieving repeatability within 4% of mean torque

LXT® 18V



Pass/Fail Indicator Lamp & Audible Signal

Indicates sufficient and insufficient fastening achievement and audibly alerts operator to failed fastenings

Wireless Poka-Yoke Capability

Allows for wireless confirmation of fastening to PLC, ensuring additional error-proofing in your process

Built-in L.E.D. Light

Illuminates work surface for better visibility in low light environments

18V LXT® Compatibility

Makita's 18V LXT® battery is compatible with over 350 LXT® cordless tools (battery not included)

DFL404FZ

18V Lithium-Ion Brushless Cordless
3/8" Sq. Drive Angle Nut Runner, Tool Only
(Battery not included)

7-PHASE RUNDOWN PROGRAMMING

Program RPM, Directional, and Angle strategies via USB port for multi-stage rundown control. Provides better quality fastening and assists in cross-thread detection.

BUILT-IN L.E.D. LIGHT

Built-in L.E.D. light illuminates work surface for better visibility in low light environments.

ACCESSORIES

TOOL PROTECTORS – HEAD

 422512-7		422512-7	422511-9	422514-3	422510-1	422B25-0	422B26-8	422B27-6	422B24-2	422B30-7	422B31-5	422B32-3	422B29-2
	Color	Red	Blue	Yellow	Clear	Red	Blue	Yellow	Clear	Red	Blue	Yellow	Clear
	Applicable Model(s)	DFL063				DFL126				DFL303 / DFL404			

TOOL PROTECTORS – BODY

 422517-7	Part No.	422517-7	422516-9	422519-3	422515-1	422B20-0	422B21-8	422B22-6	422B19-5
	Color	Red	Blue	Yellow	Clear	Red	Blue	Yellow	Clear
	Applicable Model(s)	DFL063				DFL126 / DFL303 / DFL404			

**TORQUE
ADJUSTING
KEY**



765027-4

**TOOL
HOOK**



281012-4

PRECISION TORQUE NUT-RUNNERS

				
	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS
	DFL063FZ	DFL063F5Z**	DFL126FZ / DFL126FZX1*	DFL126F5Z / DFL126F5ZX1*
Voltage	18V LXT®	18V LXT®	18V LXT®	18V LXT®
Capacities	3/8" Square Drive	1/4" Square Drive	3/8" Square Drive	1/4" Square Drive
Fastening Torque	1.5 – 6.5 Nm (13 – 58 in. lbs.)	1.5 – 6.5 Nm (13 – 58 in. lbs.)	5 – 12 Nm (44 – 106 in. lbs.)	5 – 12 Nm (44 – 106 in. lbs.)
No Load Speed (RPM)	180 – 1,300	180 – 1,300	75 – 1,000	75 – 1,000
Length (w/Battery)	15-5/8"	15-5/8"	16-3/4"	16-3/4"
Height (w/Battery)	4-9/16"	4-9/16"	4-9/16"	4-9/16"
Width (w/Battery)	2-15/16"	2-15/16"	3-3/16"	3-3/16"
Weight (w/Battery)	3.8 lbs.	3.8 lbs.	4.4 lbs.	4.4 lbs.
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B			

			
	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS
	DFL303FZ / DFL303FZX1*	DFL404FZ / DFL404FZX1*	DFL651FZ / DFL651FAZ***
Voltage	18V LXT®	18V LXT®	18V LXT®
Capacities	3/8" Square Drive	3/8" Square Drive	3/8" Square Drive
Fastening Torque	10 – 30 Nm (88 – 266 in. lbs.)	20 – 40 Nm (177 – 354 in. lbs.)	25 – 65 Nm (221 – 575 in. lbs.)
No Load Speed (RPM)	50 – 420	50 – 310	80 – 200
Length (w/Battery)	18-5/8"	18-5/8"	23-5/8"
Height (w/Battery)	4-9/16"	4-9/16"	4-9/16"
Width (w/Battery)	3-3/16"	3-3/16"	2-15/16"
Weight (w/Battery)	5.3 lbs	5.3 lbs	6 lbs
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B		

* X1 models are wireless poka-yoke capable
 ** Also available in 1/4" hex quick chuck
 *** FAZ suffix indicates Low-Reaction Model.

LITHIUM-ION BATTERIES & CHARGERS

LITHIUM-ION BATTERIES

	BL1820B	BL1830B	BL1840B	BL1850B	BL1860B
Amp Hours	2.0Ah	3.0Ah	4.0Ah	5.0Ah	6.0Ah
Charge Time	25 min	30 min	40 min	45 min	55 min
Charger(s)	DC18RC, DC18RD, DC18SF				

LITHIUM-ION CHARGERS

DC18RC
Rapid Optimum
Charger



DC18RD
Dual Port Rapid
Optimum Charger



DC18SF
4-Port Charger



TORQUE TRACER

SMART TOOLS PROVIDING QUALITY ASSURANCES VIA WIRELESS COMMUNICATION

- Identifies multiple fastening characteristics for each rundown
- Flexible systems conform to a broad variety of environments
- Maintains cordless freedom of operator benefits while improving quality assurance best practices
- Provides an energy efficient alternative to pneumatic platforms involving verifiers/qualifiers
- Adds traceability measures in environments wanting cordless flexibility and safety
- An alternative to expensive DC electric tool platforms
- Uses Bluetooth frequency spectrum and Adaptive Frequency Hopping to assure an interference-free environment



"Quick Change"
1/4" Hex Chuck

Long-life Clutch for
High Repeatability

Auto-Stop Fastening
Functioning

Built-in L.E.D. Lamps

Makita-Built
Brushless Motor

Slim-Line Anti-Slip
Dimpled Grip

L.E.D. Operator Signal
and Audible Alarm

Auto Battery Shutoff

DFT041RZ

14.4V Lithium-Ion Cordless
1/4" Hex Torque Tracer Screwdriver
(Battery not included)



Built-in L.E.D. Lamps

Makita-Built
Brushless Motor

Long-life Clutch
for High Repeatability

Torque Set Window

Slim-Line Anti-Slip
Dimpled Grip

L.E.D. Operator Signal
and Audible Alarm

Auto Battery Shutoff

DFL201RZ

14.4V Lithium-Ion Cordless
3/8" Sq. Drive Torque Tracer
Angle Nut Runner
(Battery not included)



BLUETOOTH® RECEIVER

Bluetooth receiver provides communication with tool.
24v discreet I/O for PASS/FAIL/BATCH to communicate with PLC.
Serial port for downloading fastening data and torque values to PC.



BRUSHLESS MOTOR

Makita-Built motor technologies provide higher
speeds and advanced monitoring.



14.4V LITHIUM-ION

High productivity with reduced weight.
Very low self-discharge rates.

LITHIUM-ION BATTERIES & CHARGERS

LITHIUM-ION BATTERIES

	BL1415NA	BL1430B	BL1460A
Voltage	14.4V	14.4V	14.4V
Amp Hours	1.5Ah	3.0Ah	6.0Ah
Charge Time	15 min	30 min	55 min
Charger(s)	DC18RC, DC18RD, DC18SF		

LITHIUM-ION CHARGERS



DC18RC
Rapid Optimum Charger



DC18RD
Dual Port Rapid Optimum Charger



DC18SF
4-Port Charger

TORQUE-TRACER WIRELESS COMMUNICATION TOOLS



LXT BRUSHLESS



LXT BRUSHLESS



LXT BRUSHLESS

	DFT041RZ	DFT082RZ / DFT082RAZ*	DFT124RZ / DFT124RAZ*
Voltage	14.4V	14.4V	14.4V
Capacities	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank
Fastening Torque	1 – 4 Nm (9 – 35 in. lbs.)	4 – 8 Nm (35 – 71 in. lbs.)	6 – 12 Nm (53 – 106 in. lbs.)
No Load Speed (RPM)	800	860	600
Length	7-1/2"	7-1/2"	7-1/2"
Height (w/Battery)	10-1/2"	10-1/2"	10-1/2"
Width	2-13/16"	2-13/16"	2-13/16"
Weight (w/Battery)	3.3 lbs	3.3 lbs	3.3 lbs
Battery	BL1430B, BL1460A	BL1430B, BL1460A	BL1430B, BL1460A



LXT BRUSHLESS



LXT BRUSHLESS



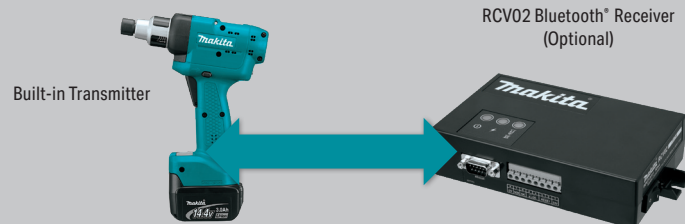
LXT BRUSHLESS

	DFL201RZ	DFL301RZ / DFL301RAZ*	DFL402RZ / DFL402RAZ*
Voltage	14.4V	14.4V	14.4V
Capacities	3/8" Sq. Drive	3/8" Sq. Drive	3/8" Sq. Drive
Fastening Torque	10 – 20 Nm (89-177 in. lbs.)	16 – 30 Nm (142-266 in. lbs.)	25 – 40 Nm (221-354 in. lbs.)
No Load Speed (RPM)	360	260	200
Length	16-7/8"	18-3/4"	18-3/4"
Height (w/Battery)	3-7/8"	3-7/8"	3-7/8"
Width	2-13/16"	2-13/16"	2-13/16"
Weight (w/Battery)	3.8 lbs	4.4 lbs	4.4 lbs.
Battery	BL1430B, BL1460A	BL1430B, BL1460A	BL1430B, BL1460A

*RAZ suffix indicates Low-Reaction model.

TOOL RECOGNITION

- Fastening torque values
- Fastening angle values
- Rundown rotations
- Tool ID recognition
- Time/Date stamp
- OK-NOK parameter achievement
- Batch achievement

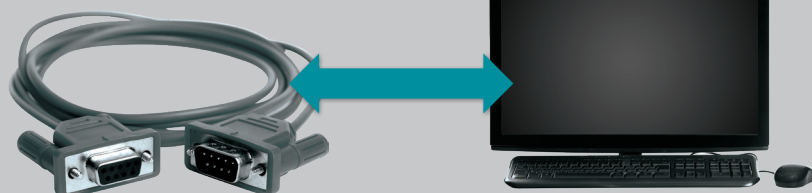


PROGRAMMING INTERACTIVITY

- Torque value tolerance range
- Angle value tolerance range
- Rundown rotation min/max settings
- Tool lock down mode
- Tool brake option
- Soft start adjustment
- Calibration ability
- Batch management (PLC-based)
- Log all data from tool recognition

RS-232C Serial Cable/Serial Required
(Available at a local PC supply store)

Facility PC



TORQUE CONTROL PROGRAMMABLE SHUT-OFF IMPACTS

COMPACT & LIGHTWEIGHT



Rubberized Bit Sleeve
Protects workpiece from scratches and damages

Built-in L.E.D. Light
Illuminates the work area for greater productivity in low-light applications

Easy-to-Pull Trigger Switch
With a 6mm short stroke is ideal for assembly and manufacturing applications. Minimizes operator's hand and finger fatigue in long, continuous operation in assembly and manufacturing applications

Automatic Impact Stop System

Color Coded Programming Panel
For easy model identification

- 35 Nm
- 65 Nm
- 95 Nm
- 140 Nm
- 185 Nm
- 260 Nm

DTDA040

14.4V Lithium-Ion Brushless Cordless
1/4" Hex Impact Driver
(Battery not included)

Wireless capability offers pass/fail for error proofing and batch counts

Large L.E.D. Display
Green (PASS), Red (FAIL)

Color Coded Programming Panel
For easy model identification

USB Port

Brushless Motor
Eliminates carbon brushes, enabling the motor to run cooler and more efficiently for longer life

Ergonomically Designed Handle
Provides a comfortable grip minimizing hand fatigue

Wireless Poka-yoke Capability
Allows for wireless confirmation of fastening to PLC, ensuring additional error-proofing in your process

Powered by 14.4V Lithium-Ion Batteries
With battery fuel gauge
(battery not included)

ACCESSORIES

SHUT-OFF IMPACT TOOL COVERS



459404-7



459410-2



413B75-6

Part No.	459404-7	459405-5	459408-9	459409-7	459410-2	459413-6	413B75-6
Color	Red	Blue	Clear	Red	Blue	Clear	Clear
Applicable Model(s)	DTDA040, DTDA070, DTWA070			DTDA100, DTDA140, DTWA100, DTWA140, DTWA190			DTWA260

TORQUE CONTROL PROGRAMMABLE IMPACT DRIVERS

				
	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS
	DTDA040Z / DTDA040ZX1*	DTDA070Z / DTDA070ZX1*	DTDA100Z / DTDA100ZX1*	DTDA140Z / DTDA140ZX1*
Voltage	14.4V	14.4V	14.4V	14.4V
Capacities	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank
Maximum Torque	35 Nm (310 in.lbs.)	65 Nm (575 in.lbs.)	95 Nm (841 in.lbs.)	140 Nm (1,239 in.lbs.)
No Load Speed (RPM)	0-2,300	0-2,600	0-2,700	0-2,600
Impacts Per Minute (IPM)	0-3,700	0-3,700	0-3,300	0-3,300
Length	5-1/2"	5-1/2"	5-3/4"	5-3/4"
Height (w/Battery)	10-1/8"	10-1/8"	10-1/8"	10-1/8"
Width	2-15/16"	2-15/16"	2-15/16"	2-15/16"
Weight (w/Battery)	2.9 lbs.	2.9 lbs.	2.9 lbs.	3.1 lbs.
Battery	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A

TORQUE CONTROL PROGRAMMABLE IMPACT WRENCHES

					
	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS	LXT BRUSHLESS
	DTWA070Z / DTWA070ZX1*	DTWA100Z / DTWA100ZX1*	DTWA140Z / DTWA140ZX1*	DTWA190Z / DTWA190ZX1*	DTWA260Z / DTWA260ZX1*
Voltage	14.4V	14.4V	14.4V	14.4V	18V LXT®
Capacities	3/8" Square Drive	3/8" Square Drive	1/2" Square Drive	1/2" Square Drive	1/2" Hex
Maximum Torque	65 Nm (575 in.lbs.)	95 Nm (841 in.lbs.)	140 Nm (1,239 in.lbs.)	185 Nm (1,637 in.lbs.)	260 Nm (2,301 in.lbs.)
No Load Speed (RPM)	0-2,500	0-2,700	0-2,700	0-2,600	0-2,800
Impacts Per Minute (IPM)	0-3,700	0-3,300	0-3,300	0-3,300	0-3,400
Length	5-5/8"	5-15/16"	6-1/8"	6-1/8"	6-3/8"
Height (w/Battery)	10-1/8"	10-1/8"	10-1/8"	10-1/8"	10-3/8"
Width	2-15/16"	2-15/16"	2-15/16"	2-15/16"	3-1/4"
Weight (w/Battery)	2.9 lbs.	2.9 lbs.	3.1 lbs.	3.3 lbs.	4 lbs.
Battery	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A	BL1415NA, BL1430B, BL1460A	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B

* X1 models are wireless poka-yoke capable



AUTO BATTERY SHUT OFF

ABS disables the tool once battery capacity drops below 20%



RUNDOWN PROGRAMMING

Allows fastening force to be adjusted and programmed for each joint condition

TRANSDUCER BASED PISTOLS

ELECTRONICALLY CONTROLLED
FOR PRECISION FASTENING

LXT® 18V

Built-in L.E.D. Light

Illuminates the work area
for greater productivity in
low-light applications

Brushless Motor

Makita-built motor technology
provides higher speeds and
advanced monitoring

On-board Transducer

Offers precision fastening

8 Pre-sets

Allows for multiple
applications at different
torque targets

High Accuracy

Accurate and repeatable within
5% of mean torque target

DFT060TMZ

18V Lithium-Ion Brushless Cordless
Electronic Transducer Screwdriver
(Battery not included)



USB Port

Fastening torque/angle data can be
downloaded from the tool (up to 1,000
records), and the data can be displayed/
saved on the PC with a free App

Multi-Function Display

Gives immediate torque feedback
and allows for quick set up of tool
via menu options

Ergonomically Designed Handle

Provides a comfortable grip
minimizing hand fatigue

18V LXT® Compatibility

Makita's 18V LXT® battery is
compatible with over 350 LXT®
cordless tools (battery not included)



ELECTRONIC TRANSDUCER SCREWDRIVERS



LXT BRUSHLESS



LXT BRUSHLESS

	DFT060TMZ	DFT120TMZ
Voltage	18V LXT®	18V LXT®
Capacities	1/4" Hex Shank	1/4" Hex Shank
Fastening Torque	2 – 6 Nm (18 – 53 in. lbs.)	4 – 12 Nm (35 – 106 in. lbs.)
No Load Speed (RPM)	50 – 1,000	50 – 700
Length	8-1/8"	8-1/8"
Height (w/Battery)	10-3/8"	10-3/8"
Width	2-15/16"	2-15/16"
Weight (w/Battery)	4 lbs	4 lbs
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B



BUILT-IN L.E.D. LIGHT

Illuminates the work area for greater productivity in low-light applications



MULTI-FUNCTION DISPLAY

Gives immediate torque feedback and allows for quick set up of tool via menu options

18V LXT® LITHIUM-ION BATTERIES & CHARGERS

18V LXT® LITHIUM-ION BATTERIES

	BL1830B	BL1840B	BL1850B	BL1860B
Amp Hours	3.0Ah	4.0Ah	5.0Ah	6.0Ah
Charge Time	30 min	40 min	45 min	55 min
Charger(s)	DC18RC, DC18RD, DC18SF			

18V LXT® LITHIUM-ION CHARGERS



ACCESSORIES

TOOL PROTECTORS

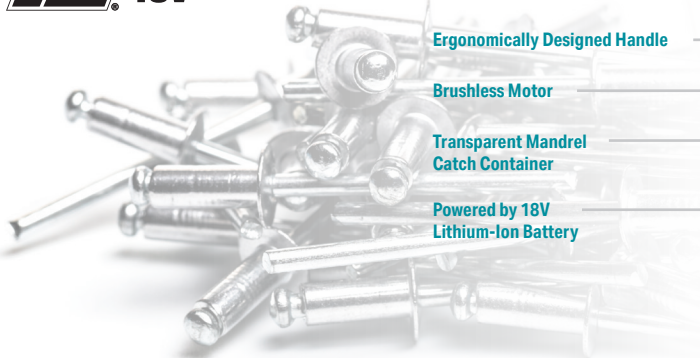
	422828-0	422829-8	422830-3	422827-2
Color	Red	Blue	Yellow	Clear
Applicable Model(s)	DFT060/DFT120			

BRUSHLESS RIVET TOOLS

COMPACT & ERGONOMIC DESIGN

- Brushless Motor delivers 10 kN of pulling force (XVR01) and 20 kN of pulling force (XVR02).
- Installs rivets up to 3/16" (4.8 mm) (XVR01) and up to 1/4" (6.4 mm) (XVR02)

LXT 18V



Holds Rivet in Place

Built-In L.E.D. Light

Ergonomically Designed Handle

Brushless Motor

Transparent Mandrel Catch Container

Powered by 18V Lithium-Ion Battery



LXT BRUSHLESS



LXT BRUSHLESS

	XVR01Z	XVR02T / XVR02Z
Voltage	18V LXT®	18V LXT®
Brushless Motor	Yes	Yes
Pulling Force	10 kN	20 kN
Rivet	Up to 3/16" (4.8 mm)	Up to 1/4" (6.4 mm)
Stroke Length	25 mm	30 mm
LED Light	Yes	Yes
Length (w/Battery)	12-3/8"	12-3/4"
Height (w/Battery)	11-1/4"	11-1/4"
Width (w/Battery)	3-1/8"	3-1/8"
Weight (w/Battery)	4.9 lbs.	5.3 lbs.
Battery	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B	BL1820B, BL1830B, BL1840B, BL1850B, BL1860B



PERFORMANCE

Capable of pulling aluminum, steel, and stainless steel rivets



TRANSPARENT MANDREL

Catch container for convenient viewing of container level.

HAZLOC®

CLASS1 DIVISION2 RATED

CLASS I DIVISION 2 RATED

- UL listed for Class I Division 2 locations for maximum 50°C ambient
- Meets the NEC Article 513 Aircraft Hangar requirements for Class I Division 2 locations
- Tested to Mil Standard 810F, Method 511.4



"Quick Change"
1/4" Hex Shank Chuck

Torque Adjusting System

Built-In L.E.D. Light

Auto-Stop Fastening Function

Anti-Slip Dimpled Grip

Beeper Indicator

L.E.D. Indicator



	BFH040FRAE	BFH040RAE	BFH090FRAE	BFH090RAE	BFH120FRAE
Voltage	12V	12V	12V	12V	12V
Capacities	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank	1/4" Hex Shank
Max Fastening Torque (Nm)	0.8-4.5 Nm (7-40 in. lbs.)	0.8-4.5 Nm (7-40 in. lbs.)	3.4-9.0 Nm (30-80 in. lbs.)	3.4-9.0 Nm (30-80 in. lbs.)	5.0-12.0 Nm (44-106 in. lbs.)
No Load Speed (RPM)	400	400	400	400	400
L.E.D. Lamp	YES	NO	YES	NO	YES
L.E.D. Pass/Fail	YES	YES	YES	YES	YES
Audible Signal	YES	NO	YES	NO	YES
Length	7-15/32"	7-15/32"	7-15/32"	7-15/32"	7-15/32"
Height	10-15/32"	10-15/32"	10-15/32"	10-15/32"	10-15/32"
Width	2-13/16"	2-13/16"	2-13/16"	2-13/16"	2-13/16"
Weight	3.3 lbs	3.3 lbs	3.3 lbs	3.3 lbs	3.3 lbs
Battery	BH1220	BH1220	BH1220	BH1220	BH1220



REPETITIVE ACCURACY

- Torque Accuracy**
- Long-life clutch provides consistent operation within +/-10% of mean torque with real-world repeatability consistencies within +/-4%.



SMART SYSTEM

- Auto Battery Shutoff**
- Shuts off the tool when battery capacity is less than 5%.
 - Ensures consistent fastening torque.
- Indication Lamp and Audible Alert**
- Precision sensor indicates fastening sufficiency and battery power conditions with light and/or audible alert.

RIVETING PERFORMANCE.

XVR01

18V LXT® Lithium-Ion Brushless
Cordless Rivet Tool



ADVANCED ERGONOMICS

ONLY 12-3/8"
IN LENGTH

ONLY 4.9 LBS.
WITH BATTERY

POWER

Brushless Motor delivers 10 kN of pulling force

CAPACITY

Installs rivets up to 3/16" (4.8 mm)

EFFICIENCY

25mm stroke sets most rivets in one stroke

PERFORMANCE

Capable of pulling aluminum, steel, and stainless steel rivets

LXT® BRUSHLESS



makitaassemblytools.com

999CAT3 MAK-0825-4K MA-15796-25

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