

Makita[®]

18V Brushless Collated Screwdriver

LXT

DFR453



18V Brushless Collated Screwdriver

Introducing the Makita DFR453, an 18V Brushless Collated Screwdriver. Engineered with precision and power, this 18V brushless marvel revolutionises the construction industry with its cutting-edge features. Its Brushless Motor delivers an impressive 0-4,500 RPM with increased torque, effortlessly tackling high-demand tasks like fibre cement sheets.

With Push Drive Technology, the motor activates only upon fastener engagement, ensuring extended runtime and reduced noise levels. Fine depth adjustment allows for precise screw lengths between 20-41mm. The inclusion of eXtreme Protection Technology (XPT) shields against dust and moisture, enhancing durability in challenging environments.

Effortlessly attach and detach the auto feed housing with the screwless one-touch hook. Experience exceptional runtime, up to 2,600 screws, when paired with an optional 5.0Ah battery and 25mm screws, ensuring uninterrupted workflow and maximum productivity. Elevate your construction projects with the Makita DFR453, setting new standards in power and performance.



Product Overview

High Torque

Ergonomically designed



Quick release assembly

Push Drive Technology

Silent clutch

eXtreme Protection Technology

Product Specification Sheet



Max. capacities collated plasterboard screw	∅ 4.2mm x 20-41mm
No load speed	0-4,500rpm
Drive shank	6.35mm (1/4")Hex
Clutch type	Silent
Overall length	360mm
Skin weight	1.6kg
Weight (with battery)	2.2kg
Voltage	18V

- **High Torque** – designed to suit heavy duty applications driving screws into materials such as fibre cement board and hardwood due to the high torque.
- **Quick Release Assembly** – designed with a screwless one touch clip for effortless attachment and removal reducing down time.
- **Silent Clutch** – Silent clutch uses higher durability materials increasing operation efficiency and decreasing driver noise
- **Ergonomically designed** – designed with optimised motor placement allowing for comfortable prolonged use in horizontal and vertical applications as weight is distributed evenly
- **Push Drive Technology** – in lock-on mode the motor starts only when the fastener engages the material for longer run time and motor noise reduction.
- **eXtreme Protection Technology** – enhanced protection from dust and moisture, enabling safe use in outdoor applications and harsh environments.

Power



High torque allows for use with fibre cement sheets

Balance



Ergonomically designed with optimised weight distribution for comfortable use

Innovation



Push Drive Technology
Significantly improves runtime & reduces noise

Durability



Collated attachment redesigned to improve durability and reduce screw jamming

Push Drive Technology

Push Drive Technology delivers increased efficiency, longer run time and lower noise.

With Push Drive the motor starts only when the fastener is engaged with the work piece, so battery power is used more efficiently for significantly longer run time. This contributes to less downtime charging batteries, and a quieter work environment since the motor runs only during fastening.

PUSH DRIVE^x



Collated Screw Gun Comparison

Up to
5x
Longer
Runtime

Test: Drive 25mm plasterboard screw through 12.5mm plasterboard into 45mm pine stud.

DFR453 – 5.0Ah (BL1850B)

DFR450 – 5.0Ah (BL1850B)



Work Speed:

DFR453 (Push Drive Off) (0.14 sec)

DFR453 (Push Drive On) (0.16 sec)

DFR450 (0.18 sec)



Work Amount:

DFR453 (Push Drive Off) (880x pcs)


DFR453 (Push Drive On) (2,700pcs)

DFR450 (540x pcs)

	DFR453	DFR450
Motor Type	Brushless	Brushed
Max. capacities collated plasterboard screw	ø 4.2mm x 20-41mm	ø 4mm x 25-41mm
No load speed	0-4,500rpm	4,000rpm
Drive shank	6.35mm (1/4")Hex	6.35mm (1/4")Hex
Clutch type	Silent	Silent
Overall length	360mm	355mm
Skin weight	1.6kg	1.6kg
Weight (with battery)	2.2kg	2.2kg
Voltage	18V	18V

Standard Accessories		
	346317-0 266622-8	Belt hook & mounting screw
	191V01-2 <small>*Part number is for a 5 pack</small>	3x pieces Phillips Bit 2-137

Optional Accessories		
	191V01-2	PH2 x 137mm Screwdriver Bit Single End 5 Pack

LXT Plasterboard Solutions		
	DUT130	Mixing Drill
	DSD180	Drywall Cutter
	DCO181	Cut Out Tools
	DSL801	Drywall Sander
	DTM52	Multi-Tool

Selecting the right screw

Plasterboard Screws

Head type: Bugle head to prevent tearing the plasterboard paper

Thread type: Coarse thread screws for wood studs & fine thread for metal studs



Fibre Cement Screws

Head type: Countersinking ribbed head to ensure the screw sits flush with the surface.

Thread type: Coarse threads to bite into the material effectively.



***Manufacturer Recommendations:** Always follow the specific recommendations of the plasterboard or fibre cement manufacturer, as they may have particular requirements for screw type.