

**Makita**

# 18V Brushless 4-Stage Impact Driver

DTD171



**BRUSHLESS**

**Makita**

**LXT**

## THE LXT ADVANTAGE

4 key components make up our LXT® Advantage, providing you with the most advanced, dependable 18V tools on the market. Our fast-charging batteries, rapid optimum chargers, industry leading brushless motors and our STAR Protection computer controls make each and every one of the world's largest 18V range of tools the best option for the job, no question.



# Product Objectives

- Design the worlds smartest 18V mobile impact driver. 4 impact speed stages and 4 fastening modes
- Designed to suit the needs of tradesmen that require a versatile tool for fastening nuts and bolts, wood screws and self drilling screws



# Product Overview



**XPT**  
EXTREME PROTECTION TECHNOLOGY

# Product Specification Sheet



Max. capacities standard bolt	M5 -M16
Max. capacities high tensile bolt	M5 -M14
No load speed	Max.: 0 - 3,600rpm / Hard: 0 - 3,200rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm
Impact rate	Max.: 0 - 3,800ipm / Hard: 0 - 3,600ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm
Max. tightening torque	180Nm
Drive shank	6.35mm(1/4") Hex
Overall length	116mm
Skin weight	1.0kg
Weight (with battery)	1.6kg
Voltage	18V

- **Enhanced anvil holder** – Material change from needle bearing to ball bearing provides more stability when using longer bits
- **Quick switch function** – the quick switch button allows the user to rapidly switch between the 4 stage impact selection or 2 pre-set function modes
- **Multi function control panel** – control panel displays 4-stage impact selection as well as 4 mode functions. Assist mode, Reverse Rotation mode and Tek screw mode 1 and 2
- **Brushless motor** – Powerful and compact the BL44 produces high power in a compact design ideal for rapid stop and start applications normally undertaken by impact drivers
- **Left and right twin LED** – twin LED job lights have been repositioned onto the left and right of the housing providing a brighter wider light. The LED light can also manually be turned on and off from the multifunction panel
- **Variable speed trigger** – as well as the multi speed control panel the user can optimise the speed of the impact driver via the trigger
- **XPT eXtreme Protection Technology** – enhances dust and drip resistant performance for use in outdoor applications or harsh environments

# Advantages

## Performance



Electronic 4 stage impact Selection  
Allows for accurate tightening in various applications

## Innovation



4 stage impact selection and 4 function modes

## Control



Quick switch function for rapid speed or mode change

## Design



Enhanced anvil holder securely holds impact bit providing less wobble

# Advantages

## 4 Function modes

### Assist Mode

Designed for wood applications

Drives screws at low speed to get screw to engage into the material. After starting to impact the driver reaches maximum speed

### Reverse Rotation Mode

Designed for removal of bolts

The tool automatically stops after the bolt is loosened. Preventing the nut from flying off and becoming lost

### Tek Screw Mode 1

Designed for thin metal applications

The tool stops rotating automatically after the driver impacts 3 times. Preventing striping out the thin metal

### Tek Screw Mode 2

Designed for thick metal applications

When the tool starts impacting the tool automatically reduces rotation speed to medium speed



# Advantages

## Quick switch memory function

The quick switch button can be used to change between the 4 stages of impact force each time you press the button.

When the memory function is registered the user can save their favorite mode and can quickly switch between the saved mode and the current selection on the multi function panel. For example user can switch between Assist mode and soft impact.





# Advantages


## Enhanced anvil design

The bearing's inside the anvil holder have been enhanced.






The bearings have been changed from needle bearings to ball bearings. This change will reduce the amount of wobble at the end of the bit creating more control.



# Product Replacement

	DTD171	DTD170
		
Impact power selection	4-stages	4-Stages
Impact modes	Assist mode Bolt mode Tek mode 1 Tek mode 2	Assist mode Tek mode
Max. capacities standard bolt	M5 -M16	M5 -M16
Max. capacities high tensile bolt	M5 -M14	M5 -M14
No load speed	Max.: 0 - 3,600rpm / Hard: 0 - 3,200rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm	Max.: 0 - 3,600rpm / Hard: 0 - 3,200rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm
Impact rate	Max.: 0 - 3,800ipm / Hard: 0 - 3,600ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm	Max.: 0 - 3,800ipm / Hard: 0 - 3,600ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm
Max. tightening torque	180Nm	175Nm
Drive shank	6.35mm(1/4") Hex	6.35mm(1/4") Hex
Overall length	116mm	117mm
Skin weight	1.0kg	0.9kg
Weight (with battery)	1.6kg	1.5kg
Voltage	18V	18V

# Our Range

	DTD171	DTD155	DTD154	DTD148	DTD153	DTD152
						
Max. capacities standard bolt	M5 -M16	M5-M14	M5 -M16	M5 -M16	M5 - M16	M5 - M16
Max. capacities high tensile bolt	M5 -M14	M5-M12	M5 -M14	M5 -M14	M5 - M14	M5 - M12
No load speed	Max.: 0 - 3,600rpm / Hard: 0 - 3,200rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm	Hard: 0 - 3,000rpm / Soft: 0 - 1,300rpm	Hard: 0 - 3,600rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm	Hard: 0 - 3,600rpm / Med: 0 - 2,100rpm / Soft: 0 - 1,100rpm	0 - 3,400rpm	0 - 2,900rpm
Impact rate	Max.: 0 - 3,800ipm / Hard: 0 - 3,600ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm	Hard: 0 - 3,900ipm / Soft: 0 - 1,600ipm	Hard: 0 - 3,800ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm	Hard: 0 - 3,800ipm / Med: 0 - 2,600ipm / Soft: 0 - 1,100ipm	0 - 3,600ipm	0 - 3,500ipm
Max. tightening torque	180Nm	140Nm	175Nm	175Nm	170Nm	165Nm
Drive shank	6.35mm(1/4") Hex	6.35mm (1/4") Hex	6.35mm(1/4")Hex	6.35mm(1/4")Hex	6.35mm(1/4")Hex	6.35mm (1/4")Hex
Overall length	116mm	135mm	117mm	119mm	126mm	137mm
Skin weight	1.0kg	0.8kg	0.9kg	0.9kg	0.9kg	0.9kg
Weight (with battery)	1.6kg	1.4kg	1.5kg	1.5kg	1.5kg	1.5kg
Voltage	18V	18V	18V	18V	18V	18V

# Accessories

## Standard Accessories

	346317-0	Belt Clip
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## Optional Accessories

	B-28329 B-28335 B-28488 B-28494 B-28503 B-28519 B-28357 B-28341 B-39512	<b>25mm Phillips Drive</b> PH1 x 25mm Gold Torsion Screwdriver Bit 2Pk PH2 x 25mm Gold Torsion Screwdriver Bit 2Pk PH2 x 25mm Wood Torsion Grip Bit 2Pk PH2 x 25mm Wood Torsion Grip 5Pk PH2 x 25mm Metal Enduro Torsion 2Pk PH2 x 25mm Metal Enduro Torsion 5Pk PH2 x 25mm Gold Torsion Screwdriver Bit 5Pk PH3 x 25mm Gold Torsion Screwdriver Bit 2Pk PH2x 25mm Gold Torsion Bit Fliptop Case 15Pk
	B-42189 B-42195 B-42204	<b>30mm Phillips Drive</b> PH1 x 30mm Impact Gold ShorTon Bit 2Pk PH2 x 30mm Impact Gold ShorTon Bit 2Pk PH3 x 30mm Impact Gold ShorTon Bit 2Pk
	B-28167 B-39160 B-28307 B-28313 B-28189 B-39528	<b>50mm Phillips Drive</b> PH1 x 50mm Magnetic Gold Torsion Bit 2Pk PH2 x50mm Magnetic Gold Double Torsion 2Pk PH2 x 50mm Magnetic Wood Torsion Gold 2Pk PH2 x 50mm Magnetic Metal Enduro Gold 2Pk PH3 x 50mm Magnetic Gold Torsion 2Pk PH2 x 50mm Gold Torsion Bit Fliptop Case 10Pk

## Optional Accessories

	B-28363 B-28379 B-28385 B-39556	<b>25mm Square Head</b> SQ1 x 25mm Gold Torsion Screwdriver Bit 2Pk SQ2 x 25mm Gold Torsion Screwdriver Bit 2Pk SQ3 x 25mm Gold Torsion Screwdriver Bit 2Pk SQ2 x 25mm Gold Torsion Bit Fliptop Case 15Pk
	B-42298 B-42307 B-42313	<b>30mm Square Head</b> SQ1 x 30mm Impact Gold ShorTon Bit 2Pk SQ2 x 30mm Impact Gold ShorTon Bit 2Pk SQ3 x 30mm Impact Gold ShorTon Bit 2Pk
	B-28195 B-28204 B-28210 B-39562	<b>50mm Square Head</b> SQ1 x 50mm Impact Gold ShorTon Bit 2Pk SQ2 x 50mm Impact Gold ShorTon Bit 2Pk SQ3 x 50mm Impact Gold ShorTon Bit 2Pk SQ2 x 50mm Gold Torsion Bit Fliptop Case 10Pk
	B-28525 B-28531 B-28531-24	<b>Magnetic Bit Holders</b> 66mm Gold Torsion 1/4" Hex Bit Holder 1Pc Ultra Mag 71mm Gold Torsion Bit Holder 1 Pc Ultra Mag 71mm Gold Torsion Bit Holder 24Pc
	B-42422	<b>Mag Boost</b> Increases magnetism by 17 times
		<b>Hex Shank HSS-TiN Impact Drill Bit</b> 3-13mm Metal drill bits