Makita

Hammer Driver Drill
Driver Drill

Impact Driver

Impact Wrench

Product Selection Guide

18v LITHIUM-ION

Cordless Hammer Driver Drill / Cordless Driver Drill

18v LITHIUM-ION

Brushless Motor

- Maintenance-free due to no brush
- More work amount on a single full battery charge
- Life time work amount of a battery is increased
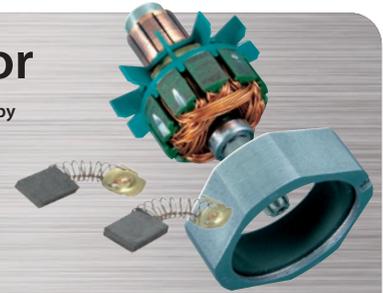- Durable against long continuous operation

BL MOTOR

Brushed Motor

High power-to-weight ratio obtained by employing 4-pole motor

4-pole motor | 2-pole motor

Max Fastening Torque **Soft Joint**

Max Fastening Torque **Hard Joint**

Max Fastening Torque **Soft Joint**

60 N·m

115 N·m

DHP481
DDF481
21 Torque Setting
BL MOTOR / XPT

58 N·m

DHP458
DDF458
21 Torque Setting
4-pole motor / XPT

91 N·m

DHP484
DDF484
21 Torque Setting
BL MOTOR / XPT

30 N·m

54 N·m

62 N·m

DHP482
DDF482
21 Torque Setting
4-pole motor / XPT

36 N·m

21 N·m

DHP483
DDF483
20 Torque Setting
BL MOTOR / XPT

40 N·m

42 N·m

27 N·m

DHP453
DDF453
16 Torque Setting
2-pole motor

| Hammer Driver Drill | DHP481 | DHP484 | DHP483 | DHP458 | DHP482 | DHP453 |
Driver Drill	DDF481	DDF484	DDF483	DDF458	DDF482	DDF453
Drilling Capacity Steel	13 mm (1/2")	13 mm (1/2")	13 mm (1/2")	13 mm (1/2")	13 mm (1/2")	13 mm (1/2")
Wood	76 mm (3")	38 mm (1-1/2")	36 mm (1-7/16")	76 mm (3")	38 mm (1-1/2")	36 mm (1-7/16")
Masonry (Hammer Driver Drill)	16 mm (5/8")	13 mm (1/2")	13 mm (1/2")	16 mm (5/8")	13 mm (1/2")	13 mm (1/2")
Impacts Per Minute (IPM) (Hammer Driver Drill)	High/Low: 0 - 31,500 / 0 - 8,250	High/Low: 0 - 30,000 / 0 - 7,500	High/Low: 0 - 25,500 / 0 - 7,500	High/Low: 0 - 30,000 / 0 - 6,000	High/Low: 0 - 28,500 / 0 - 9,000	High/Low: 0 - 19,500 / 0 - 6,000
No Load Speed (RPM)	High/Low: 0 - 2,100 / 0 - 550	High/Low: 0 - 2,000 / 0 - 500	High/Low: 0 - 1,700 / 0 - 500	High/Low: 0 - 2,000 / 0 - 400	High/Low: 0 - 1,900 / 0 - 600	High/Low: 0 - 1,300 / 0 - 400
Max lock torque	125 N·m (1,090 in·lbs)	60 N·m (530 in·lbs)	40 N·m (350 in·lbs)	84 N·m (750 in·lbs)	54 N·m (480 in·lbs)	38 N·m (340 in·lbs)
Overall length	205mm (8-1/8")	DHP484: 182mm (7-1/8") DDF484: 172mm (6-3/4")	DHP483: 176mm (6-15/16") DDF483: 162mm (6-3/8")	225mm (8-7/8")	DHP482: 198mm (7-3/4") DDF482: 185mm (7-1/4")	DHP453: 240mm (9-7/16") DDF453: 222mm (8-3/4")
Net weight	DHP481: 2.4 kg (5.4 lbs) DDF481: 2.4 kg (5.2 lbs)	DHP484: 1.6 kg (3.5 lbs) DDF484: 1.6 kg (3.5 lbs)	DHP483: 1.3 kg (2.9 lbs) DDF483: 1.3 kg (2.8 lbs)	DHP458: 2.0kg (4.5lbs) DDF458: 2.0kg (4.4lbs)	DHP482: 1.5kg (3.4lbs) DDF482: 1.5kg (3.3lbs)	DHP453: 1.7kg (3.7lbs) DDF453: 1.6kg (3.5lbs)

XPT EXTREME PROTECTION TECHNOLOGY

Extreme Protection Technology

For use in outdoor applications or harsh environments, protection from dust and dripping water is enhanced compared with existing model.

Cordless Impact Driver

18v LITHIUM-ION

Brushless Motor

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BL MOTOR

Brushed Motor

High power-to-weight ratio obtained by employing 4 -pole motor

4-pole motor

Max Fastening Torque

DTD170

BL MOTOR | **XPT** EXTREME PROTECTION TECHNOLOGY
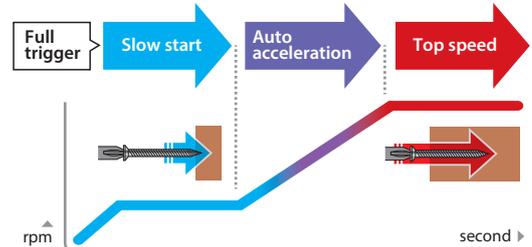
4 stage power selection + **Teks** mode + **A**

175 N·m

A mode [assist mode]

helps to eliminate "screw cam-out" and "cross threading" by driving at low speed until the start of tightening.

| Full trigger | Slow start | Auto acceleration | Top speed |

rpm | second ▶

DTD154

BL MOTOR | **XPT** EXTREME PROTECTION TECHNOLOGY

3 stage power selection + **Teks** mode

170 N·m

DTD153

BL MOTOR | **XPT** EXTREME PROTECTION TECHNOLOGY

Ideal for applications such as tightening of self-drilling screws

DTD149

4-pole motor | **XPT** EXTREME PROTECTION TECHNOLOGY

165 N·m

DTD152

4-pole motor | **XPT** EXTREME PROTECTION TECHNOLOGY

Ideal for applications such as tightening of self-drilling screws

175
170
165
160

Cordless Oil-Pulse Driver

DTS141 | **BL MOTOR** | **XPT** EXTREME PROTECTION TECHNOLOGY | **40 N·m**

Suitable for noise sensitive job site

3 stage power selection + **Teks** mode

SOFT IMPACT

Low Noise 77dB

Cordless 4 Mode Impact Driver

DTP141 | **BL MOTOR** | **150 N·m**

4 Operation modes
Impact driver / Hammer drill / Drill / Screwdriver

3 stage power selection + **Teks** mode

4 TOOLS
Hammer-drill / Impact-driver / Drill / Screwdriver

	DTD170	DTD154	DTD153		DTD149	DTD152
Impacts Per Minute (IPM)	0 - 3,800 / 3,600 / 2,600 / 1,100	0 - 3,800 / 2,600 / 1,100	0 - 3,600		0 - 3,200	0 - 3,500
No Load Speed (RPM)	0 - 3,600 / 3,200 / 2,100 / 1,100	0 - 3,600 / 2,100 / 1,100	0 - 3,400		0 - 2,500	0 - 2,900
Overall length	117mm (4-5/8")	117mm (4-5/8")	126mm (5")		135mm	137mm (5-3/8")
Net weight	1.2kg (2.7lbs)	1.2 kg (2.8 lbs)	1.3 kg (2.8 lbs)		1.5 kg	1.3 kg (2.8 lbs)

	DTS141	DTP141
Impacts Per Minute (IPM)	0-2,700 / 0-2,200 / 0-1,400	0-3,200 / 0-2,400 / 0-1,200
No Load Speed (RPM)	0-3,200 / 0-2,000 / 0-1,200	0-2,700 / 0-2,200 / 0-1,300
Overall length	136mm (5-3/8")	171mm (6-3/4")
Net weight	1.2kg (2.7lbs)	1.6kg (3.5lbs)

Teks mode

"Teks" mode is a special mode optimum for fast tightening of self drilling screws without damaging the screw and the workpiece.

Cordless Impact Wrench

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BL MOTOR

Brushed Motor

High power-to-weight ratio obtained by employing 4-pole motor

4-pole motor | 2-pole motor

Max Fastening Torque

DTW1001
BL MOTOR | Square drive size 3/4" (19mm)
Standard — M12 - 30
High strength — M10 - 24

DTW1002
BL MOTOR | Square drive size 1/2" (12.7mm)
Standard — M12 - 30
High strength — M10 - 24

DTW281
BL MOTOR | Square drive size 1/2" (12.7mm)
Standard — M10 - 20
High strength — M10 - 16

DTW450
4-pole motor | Square drive size 1/2" (12.7mm)
Standard — M12 - 22
High strength — M12 - 16

DTW251
4-pole motor | Square drive size 1/2" (12.7mm)
Standard — M10 - 16
High strength — M10 - 14

DTW253
4-pole motor | Square drive size 3/8" (9.5mm)
Standard — M8 - 16
High strength — M6 - 12

DTW190
2-pole motor | Square drive size 1/2" (12.7mm)
Standard — M8 - 16
High strength — M8 - 12

Torque values (N·m):
1,050 | 1,000 | 440 | 280 | 230 | 210 | 190

Scale markers: 1050 · 1000 · 400 · 300 · 200 · 100

Tool does not come with socket.

	DTW1001	DTW1002	DTW281	DTW450	DTW251	DTW253	DTW190
Driving shank (Hex)	19mm (3/4")	12.7mm (1/2")	12.7mm (1/2")	12.7mm (1/2")	12.7mm (1/2")	9.5mm (3/8")	12.7 mm (1/2")
Impacts Per Minute (IPM)	0-2,200 / 0-2,000 / 0-1,800	0-2,200 / 0-2,000 / 0-1,800	0-3,500 / 0-2,600 / 0-1,800	2,200	0-3,200	0-3,200	0 - 3,000
No Load Speed (RPM)	0-1,800 / 0-1,000 / 0-900	0-1,800 / 0-1,000 / 0-900	0-2,800 / 0-2,100 / 1,600	1,600	0-2,100	0-2,100	0 - 2,300
Overall length	229mm (9")	229mm (9")	147mm (5-3/4")	266mm (10-1/2 ")	165mm (6-1/2")	155mm (6-1/8")	176 mm (6-15/16")
Net weight	3.4kg (7.6lbs)	3.3kg (7.3lbs)	1.5kg (3.2lbs)	3.4kg (7.5lbs)	1.5kg (3.3lbs)	1.3kg (2.9lbs)	1.4 kg (3.2 lbs)

Items of standard equipment and specifications may vary by country or area.
Weight data in this catalogue is the value measured by us according to EPTA Procedure.