



# Cordless Impact Wrench Series



**210 N·m**  
(155 ft.lbs.)

**DTW181**



**180 N·m**  
(130 ft.lbs.)

**DTW180**



**160 N·m**  
(120 ft.lbs.)

**TW160D**



# Makita Compact Wrench Series

12.7mm (1/2")

9.5mm (3/8")

6.35mm (1/4")

**165 N·m**  
(122 ft.lbs.)

**TW161D**



**145 N·m**  
(107 ft.lbs.)

**TW141D**



**60 N·m**  
(44 ft.lbs.)

**TW060D**



**140 N·m**  
(100 ft.lbs.)

**TW140D**



## Best possible ergonomic handle for screwing applications

- A** In order to provide maximum thrust to the bit, the top back of the handle is ergonomically designed and widened to perfectly fit the U-shape formed between user's thumb and index finger.
- B** Ribbed soft grip enables all finger tips to hold the handle securely against the strong rotational force of counter torque even in single-handed operation.



## Electronic 2 stage impact power selection (DTW181, DTW180, TW161D, TW160D)

Impact power selection : Soft / Hard



Reverse rotation auto stop mode

## LED job light

with preglow and afterglow functions

### Twin LED



### Single LED



## Lightweight and Compact new BL motor (DTW181, DTW180, TW161D, TW160D)

(DTW181, DTW180, TW161D, TW160D)

**BL  
MOTOR**



## Cordless Impact Wrench

Model No.	DTW181	DTW180	TW161D	TW160D	TW141D	TW140D	TW060D
<b>Battery</b>							
<b>Square Drive</b>	12.7 mm (1/2")	9.5 mm (3/8")	12.7 mm (1/2")	9.5 mm (3/8")	12.7 mm (1/2")	9.5 mm (3/8")	6.35 mm (1/4")
<b>Max Fastening Torque</b>	210 N·m (155 ft.lbs.)	180 N·m (130 ft.lbs.)	165 N·m (122 ft.lbs.)	160 N·m (120 ft.lbs.)	145 N·m (107 ft.lbs.)	140 N·m (100 ft.lbs.)	60 N·m (44 ft.lbs.)
<b>BL MOTOR</b>	●	●	●	●	—	—	—
<b>Variable Speed</b>	●	●	●	●	●	●	●
<b>Brake</b>	●	●	●	●	●	●	●
<b>Reversing</b>	●	●	●	●	●	●	●
<b>Electronic 2-Speed</b>	●	●	●	●	—	—	—
<b>Built-in Job Light</b>	Twin	Twin	Single	Single	Single	Single	Single
<b>Carrying Case</b>	●	●	●	●	●	●	●
<b>Net weight</b>	1.2 - 1.5 kg (2.7 - 3.4 lbs.)	1.2 - 1.5 kg (2.7 - 3.4 lbs.)	1.0 - 1.2 kg (2.2 - 2.7 lbs.)	1.0 - 1.2 kg (2.2 - 2.6 lbs.)	1.1 - 1.2 kg (2.4 - 2.7 lbs.)	1.0 - 1.2 kg (2.3 - 2.7 lbs.)	1.0 - 1.2 kg (2.3 - 2.6 lbs.)

	DTW181	DTW180	TW161D	TW160D
<b>Fastening Capacities</b>	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")
<b>No Load Speed (RPM)</b>	Hard / Soft: 0 - 2,400 / 0 - 1,300	Hard / Soft: 0 - 2,400 / 0 - 1,300	Hard / Soft: 0 - 2,400 / 0 - 1,300	Hard / Soft: 0 - 2,400 / 0 - 1,300
<b>Impacts Per Minute (IPM)</b>	Hard / Soft: 0 - 3,600 / 0 - 2,000	Hard / Soft: 0 - 3,600 / 0 - 2,000	Hard / Soft: 0 - 3,600 / 0 - 2,000	Hard / Soft: 0 - 3,600 / 0 - 2,000
<b>Vibration Level</b>	Impact tightening of fasteners of the maximum capacity of the tool: 10.5 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 11.0 m/s <sup>2</sup>
<b>Sound Pressure Level</b>	95 dB(A)	89 dB(A)	93 dB(A)	90 dB(A)
<b>Sound Power Level</b>	106 dB(A)	100 dB(A)	104 dB(A)	101 dB(A)
<b>Dimensions (L x W x H)</b>	w/ BL1815N / BL1820B: 151x79x218 mm (5-15/16"x3-1/8"x8-5/8") w/ BL1830B / BL1840B / BL1850B / BL1860B: 151x79x235 mm (5-15/16"x3-1/8"x9-1/4")	w/ BL1815N / BL1820B: 144x79x218 mm (5-5/8"x3-1/8"x8-5/8") w/ BL1830B / BL1840B / BL1850B / BL1860B: 144x79x235 mm (5-5/8"x3-1/8"x9-1/4")	w/ BL1016/BL1021B: 150x66x213 mm (5-7/8"x2-5/8"x8-3/8") w/ BL1041B: 150x66x232 mm (5-7/8"x2-5/8"x9-1/8")	w/ BL1016/BL1021B: 144x66x213 mm (5-5/8"x2-5/8"x8-3/8") w/ BL1041B: 144x66x232 mm (5-5/8"x2-5/8"x9-1/8")
<b>Fastening Capacities</b>	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")	Standard Bolt: M8 - M16 (5/16" - 5/8") High Tensile Bolt: M6 - M12 (1/4" - 1/2")	Standard Bolt: M8 - M12 (5/16" - 15/32") High Tensile Bolt: M6 - M10 (1/4" - 3/8")	Standard Bolt: M8 - M12 (5/16" - 15/32") High Tensile Bolt: M6 - M10 (1/4" - 3/8")
<b>No Load Speed (RPM)</b>	0 - 2,600	0 - 2,600	0 - 2,600	0 - 2,600
<b>Impacts Per Minute (IPM)</b>	0 - 3,200	0 - 3,200	0 - 3,200	0 - 3,200
<b>Vibration Level</b>	Impact tightening of fasteners of the maximum capacity of the tool: 7.5 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s <sup>2</sup>	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s <sup>2</sup>
<b>Sound Pressure Level</b>	93 dB(A)	88 dB(A)	90 dB(A)	90 dB(A)
<b>Sound Power Level</b>	104 dB(A)	99 dB(A)	101 dB(A)	101 dB(A)
<b>Dimensions (L x W x H)</b>	w/ BL1016/BL1021B: 168x66x205 mm (6-5/8"x2-5/8"x8-1/8") w/ BL1041B: 168x66x224 mm (6-5/8"x2-5/8"x8-7/8")	w/ BL1016/BL1021B: 161x66x205 mm (6-3/8"x2-5/8"x8-1/8") w/ BL1041B: 161x66x224 mm (6-3/8"x2-5/8"x8-7/8")	w/ BL1016/BL1021B: 161x66x205 mm (6-3/8"x2-5/8"x8-1/8") w/ BL1041B: 161x66x224 mm (6-3/8"x2-5/8"x8-7/8")	w/ BL1016/BL1021B: 161x66x205 mm (6-3/8"x2-5/8"x8-1/8") w/ BL1041B: 161x66x224 mm (6-3/8"x2-5/8"x8-7/8")

**Standard Equipment :** Belt Clip, Battery, Charger

The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combination, according to EPTA-Procedure 01/2014, are shown in the table.

Items of standard equipment and specifications may vary by country or area.

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