



Cordless Impact Wrench Series



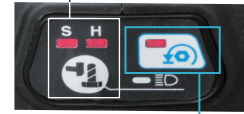
Best possible ergonomic handle for screwing applications

- 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

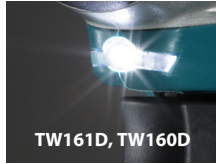
LED job light

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
Battery							
Square Drive	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")
Max Fastening Torque	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.)
BL MOTOR	●	●	●	●	—	—	—
Variable Speed	●	●	●	●	●	●	●
Brake	●	●	●	●	●	●	●
Reversing	●	●	●	●	●	●	●
Electronic 2-Speed	●	●	●	●	—	—	—
Built-in Job Light	Twin	Twin	Single	Single	Single	Single	Single
Carrying Case	●	●	●	●	●	●	●
Net weight	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
Fastening Capacities	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")
No Load Speed (RPM)	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
Impacts Per Minute (IPM)	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
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 10.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 11.0 m/s ²
Sound Pressure Level	95 dB(A)	89 dB(A)	93 dB(A)	90 dB(A)
Sound Power Level	106 dB(A)	100 dB(A)	104 dB(A)	101 dB(A)
Dimensions (L x W x H)	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")
	TW141D	TW140D	TW060D	
Fastening Capacities	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")	
No Load Speed (RPM)	0 - 2,600	0 - 2,600	0 - 2,600	
Impacts Per Minute (IPM)	0 - 3,200	0 - 3,200	0 - 3,200	
Vibration Level	Impact tightening of fasteners of the maximum capacity of the tool: 7.5 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 8.0 m/s ²	Impact tightening of fasteners of the maximum capacity of the tool: 9.0 m/s ²	
Sound Pressure Level	93 dB(A)	88 dB(A)	90 dB(A)	
Sound Power Level	104 dB(A)	99 dB(A)	101 dB(A)	
Dimensions (L x W x H)	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")	

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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