



Satisfy Professional's Needs

Cordless Impact Wrench BTW450 1/2" (12.7mm)



MAX. FASTENING TORQUE

440 N-m

[325 ft. lbs]



Lithium-ion eXtreme Technology

Maximum Fastening Torque of 440N.m (325ft.lbs)* Same fastening torque in forward and reverse rotations

*torque at 6 seconds after seating



Compact body 266mm (10-1/2")

Large bumper
protects workpiece from scratches, increasing maneuverability.

12.7mm (1/2") square driving

LED job light for illuminated operation
can be turned on / off with an independent switch*, and features overdischarge-protective circuit.

reverse / **forward**

***Light switch**
for LED job light

Unique rubber joint construction
suppresses the transmission of vibration to battery terminals, minimizing battery failures such as terminal breakage or poor electrical contact. Refer to the comparison chart below.

The tool body is separated into the upper and lower housings at the foot of handle portion where the housings are joined with vibration absorbing cushion rubbers.

Easy-to-operate, large rocker switch

Ergonomically designed handle with rubberized soft grip
provides more control and comfort.

Hook

45mm

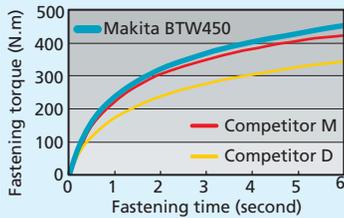
Cushion rubber

Lightweight 3.4kg (7.5lbs)

Comparison of Fastening Performance

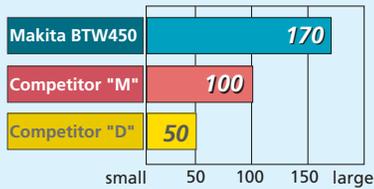
The relation between fastening torque and fastening time.

Note: The time axis on the chart below indicates the fastening time after High tensile bolt is seated.



Test conditions: M16 High tensile bolt
Fastening torque: 250N.m

Note: Numbers in the charts below are relative values when the capacities of Competitor "M" are indexed at 100.

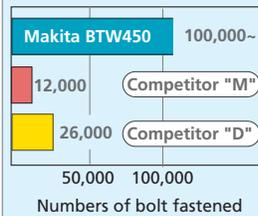


*Work amount on a single full battery charge.

Comparison of Durability of Battery Terminal

Test conditions: Fastening of M16 High tensile bolt by repeating the following (a) (b) cycle set up in the testing machine.

(a) Two seconds of running under load
(b) Turning off switch



Makita BTW450:

No problem with battery terminals and adjacent parts even after fastening 100,000 bolts.

Competitor "M":

Impossible to continue after fastening 12,000 bolts because of poor electrical contact at battery terminal.

Competitor "D":

Impossible to continue after fastening 26,000 bolts because of broken battery terminal.

Cordless Impact Wrench

- Reversing
- Carrying Case
- Built-in Job Light

18V 3.0Ah LITHIUM-ION

Charging time 22minutes with Fast Charger DC18RA

3.0Ah Li-ion Battery BL1830



BTW450 1/2" (12.7mm)

441

Capacity

Standard bolt:	M12-M22 (1/32"-7/8")
High tensile bolt:	M12-M16 (1/32"-5/8")
Impacts per minute (ipm)	2,200
No load speed (rpm)	1,600
Max. fastening torque	440N.m (325ft.lbs)
Dimensions (L x W x H)	266 x 82 x 290mm (10-1/2" x 3-1/4" x 11-3/8")
Net weight	3.4kg (7.5lbs)
Voltage	18V

Standard Equipment

Fast Charger, Battery Cartridge (Tool does not come with socket)

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

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PRINTED IN JAPAN Z23333-2 2007-10