

# TECHNICAL INFORMATION

**Makita**

New Tool

**Models No.** ▶ 6900D

**Description** ▶ MAKITA Cordless impact wrench

## CONCEPTION AND MAIN APPLICATIONS

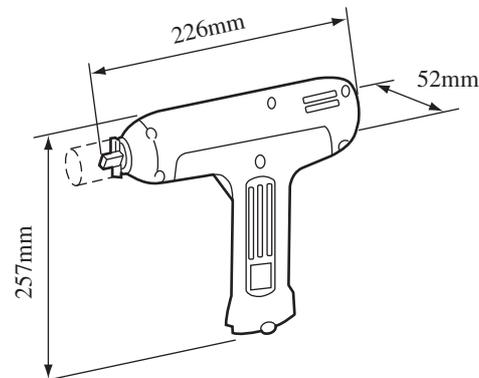
This cordless impact wrench is developed so as to be convenient for use in the place where far apart from the power source or the operation which should not be interfered with the power cord.

It can be used for the temporary facility construction, the pre-fabricated house and the wooden house.

The 6900D is the model without the battery and the charger.

The 6900DW consists of 6900D, the battery and the charger.

The plastic case is attached only for the 6900DW.



### ► Specifications

<b>Moter</b>		DC 9.6V
<b>No load speed(R.P.M.)</b>	In high speed (Punching : 2000-time/min.)	1,500/min
	In low speed(Punching : 1500-time/min.)	1,300/min
<b>Square drive dimension(mm)</b>		12.7mm
<b>Max. fastening torque(kg-cm)</b>		1,000kg-cm(When the M12 high force bolt is being fastened for 8-sec.)
<b>Bolts which can be used for fastening</b>	Normal bolts	(F4T) M8-M14
	High force bolt	(F8T-F11T) M8-M10
<b>Weight(including a battery)(kg)</b>		1.7Kg

### ► Standard equipment

Socket 19-40

### ► Optional accessories

Socket 12-75, Socket 13-36, Socket 13-52, Socket 14-36.5, Socket 14-52, Socket 17-39, Socket 17-52, Socket 19-40, Socket 19-52, Socket 19-80, Socket 21-41, Socket 21-52, Socket 21-80, Socket 22-42, Socket 22-52, Socket 23-43, Socket 23-52

Extension bar 12.7

Universal joint 12.7

(Bit adapter) : To be released on early of Apr.

### ► Features and benefits

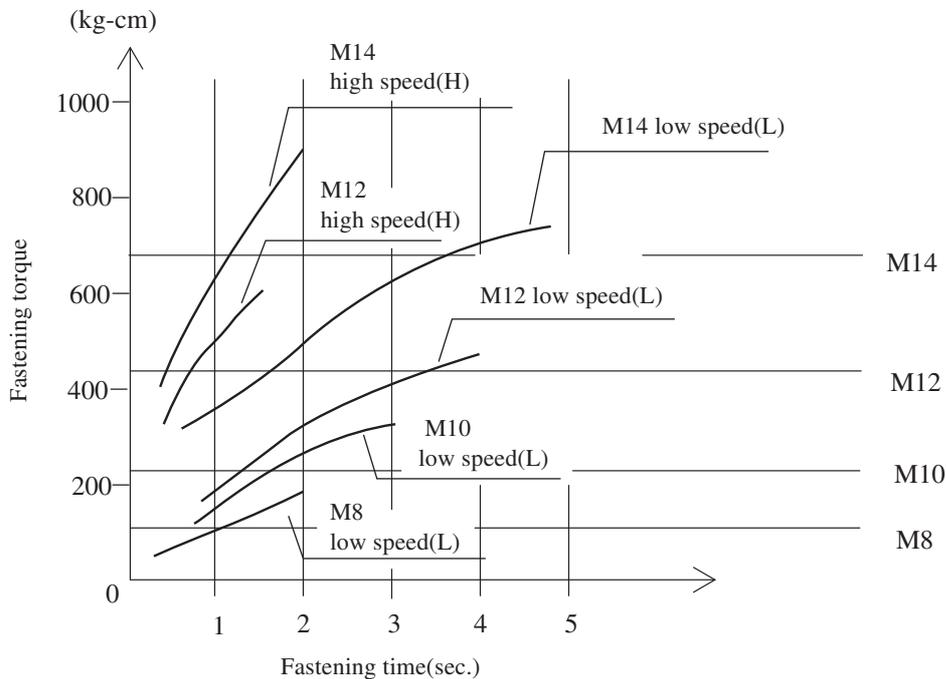
1. Max. fastening torque 1000 kg-cm
2. The 2-step variable speed(in electric) enables the wide range of bolts including the normal bolt(F4T)M8-M14 up to the high force bolt(F8T-F11T)M8-M10 to be fastened.
3. With the rotation under no load set at 1500 RPM in high speed(1300 RPM in low speed), the temporary fastening can be done at high speed.
4. The light weight of 1.7 kg provides the comfortable operation.-

## ► Capacity

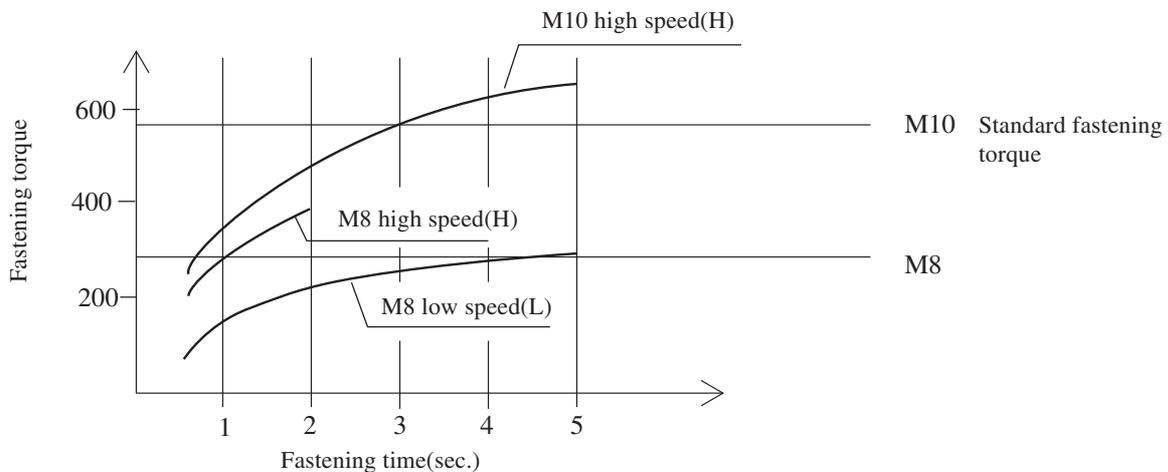
### 1. Fastening time and fastening torque

(Note that the fastening torque may vary depending on the fastening conditions. Check the fastening torque for each operation. )

#### (1) Normal bolt(F4T)



#### (2) High force bolt(F8T-F11T)



(3) The max. fastening torque 1000 kg-cm can be achieved when fastening has been done for 8-sec. using the M12(F10T). However, the time 8 sec. is so long and the consumption rate of the current is so severe that this machine is not suited for the actual operation.

### 2. Fastening quantity(criterion) per charging

#### (1) Normal bolt

	Low speed L(fastening time)(piece)(sec.)	High speed H (fastening time)(piece)(sec.)
<b>M8</b>	450 (1)	*(1)
<b>M10</b>	310 (1.5)	*(2)
<b>M12</b>	160 (3)	290 (0.7)
<b>M14</b>	120 (4)	250 (1)

1) It cannot be used since the screw may be potentially extended and broken.

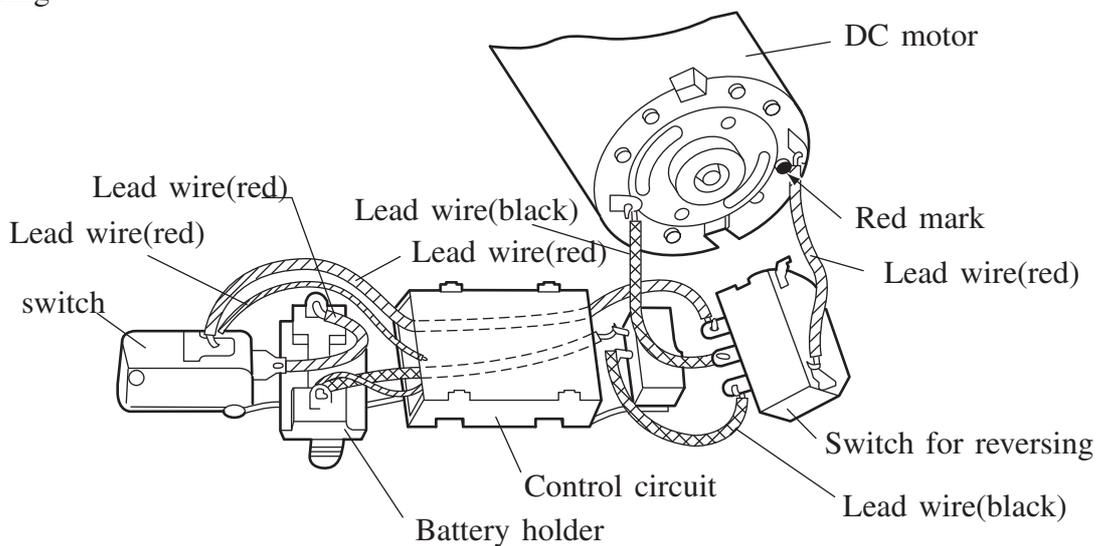
2) Due to the insufficient fastening, it cannot be used.

(Note) Since the fastening torque may vary depending on the battery characteristics, the above values are only for reference.

(2) High force bolt

	Low speed L(fasteningtime)(piece)(sec.)	High speed H (fastening time)(piece)(sec.)
M8	120 (4)	250 (1)
M10	*(2)	90 (3)

► **Repair**  
Wiring



Note) Bend the minus terminal of DC motor in 45° toward inside. (see below figure)

