

# TECHNICAL INFORMATION



New Tool

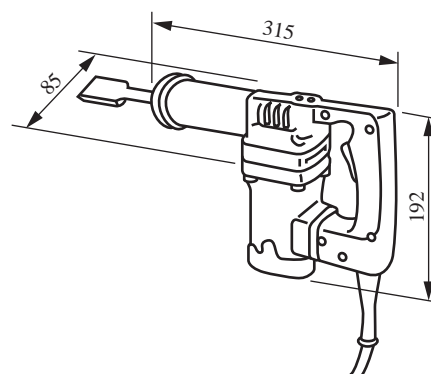
**Models No.** ▶ HK1800

**Description** ▶ Makita Power scraper

## CONCEPT AND MAIN APPLICATIONS

This model was developed as the small special tool to remove concrete adhered to floors and concrete molds (whitewash removal), to separate plastic tiles, cushion floors, exterior tiles at construction sites, to separate foreign matters adhered on the ship hulls, and for the light scaling jobs.

As the bit tip angle can be indexed by every 60 degrees on the model to suit works to be carried out.



## ► Specifications

| Voltage(V) | Current(A) | Frequency(Hz) | Continuous rating |           | Max. output(W) |
|------------|------------|---------------|-------------------|-----------|----------------|
|            |            |               | Input(W)          | Output(W) |                |
| 100        | 5.2        | 50-60         | 505               | 180       | 400            |
| 115        | 4.5        | 50-60         | 505               | 180       | 400            |
| 200        | 2.6        | 50-60         | 505               | 180       | 400            |
| 220        | 2.4        | 50-60         | 505               | 180       | 400            |
| 240        | 2.2        | 50-60         | 505               | 180       | 400            |

|                                |           |
|--------------------------------|-----------|
| <b>Blows per minute(/min.)</b> | 3200/min. |
| <b>Weight(kg)</b>              | 3.2kg     |
| <b>Power supply cord(m)</b>    | 5m        |

## ► Standard equipment

Scaling chisel 30 x 150mm

Scaling chisel 50 x 150 mm

Bull point 13 in diameter x 220 mm

Hex. spanner

## ► Optional accessories

Bull point 13 x 220 mm

Scaling chisel 30 x 150 mm

Scaling chisel 50 x 150 mm

Lock nut wrench 28

Hammer grease (30 g)

Eye protecting glasses

The standard equipment for the tools shown may differ from country to country.

## ► Features and benefits

1. Its air cushion system provides you with the strong impacting force by lightly holding the unit down, making the unit most suitable for scaling jobs.
2. Its one action tool retainer makes the replacement of bits easy.
3. The bit can be set at the desired angle in every 60° angles.
4. The barrel in 46 mm diameter with the cover is thin enough for you to hold at the barrel for accurate works.
5. Miss-hitting is minimized by minimizing the bit motion in comparison with hammers.
6. Its sealed construction requires no lubricating oil replenishment.

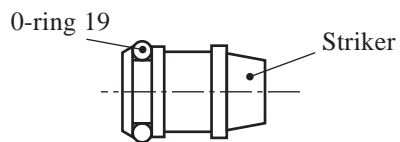
## ► Capacity

The work load power required for this model is about 1/2 of 8500N, but the impacting force is almost same as for HR2500.

## ► Repair

When you have impacting troubles and must repair the unit, refer to the followings.

- (a) The motor runs faster because of grease shortage.  
If you open the crank cap and found almost no grease, replenish grease. Confirm the unit can make impacts properly and there is no grease leak after the replenishment.
- (b) Wear of the striker O-ring  
If grease is found not in shortage, check the O-ring of the striker for wear. If you find excessive wear in the O-ring, wash the cylinder and then replace the worn O-ring.



(c) Impact bolt breakage

If the impact bolt is broken, much grease leaks and impacting becomes unstable. Replace the impact bolt in the following procedure.

((Disassembling))

Dismantle the cushion plate and pin, and then push the impact bolt with a rod or screw driver. Cover the hole with the crank pin as shown in fig.4 to prevent damage to the O-ring as the O-ring tends to be damaged on its lip when the O-ring passes through the pin hole.

(Front side)

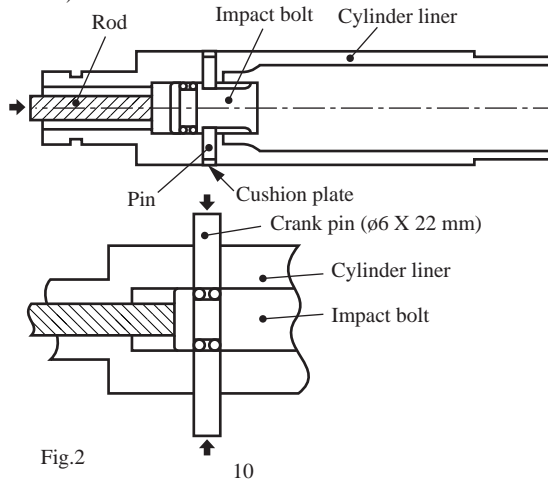


Fig.2

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(Rear)

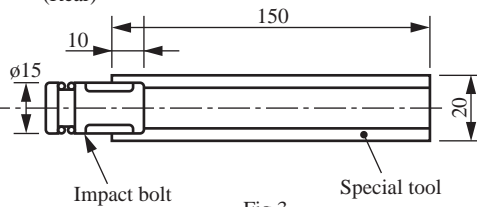


Fig.3

(Note)

1. Prepare the special tool as required
2. the crank pin is to connect the piston with the crank.

((Assembling))

Install the impact bolt with the special tool as shown in fig.3. Prevent damages to the O-ring lip in the same way as in disassembling.