

511187 SDS MAX DEMOLITION HAMMER

TOOLEX[®]
Industrial



THROUGH AND CAREFULLY UNDERSTAND
THESE INSTRUCTIONS BEFORE USING DEMOLITION HAMMER.

INSTRUCTION MANUAL

CONSUMER SERVICE CENTRE
PO BOX 1012
HAMILTON NSW 2303 AUSTRALIA
Made in P.R.C.



N3570



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General Power Tool Safety Warnings



WARNING :

Read all safety warnings and all instructions. *Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refer to your mains operated (corded) power tool or battery operated (cordless) power tool.

1) Work area

- a) **Keep work area clean and well lit.** *Cluttered and dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a*

cord suitable for outdoor use reduces the risk of electric shock.

- f) If operating a power tools in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.**

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.**
- c) Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.**
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.**
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.**
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.**
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.**

4) Power tool use and care

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.**
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.**
- c) Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.**
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.**
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.**
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control;**
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.**

5) Service

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.**

- b) It's Recommended that the tool always be supplied via a residual current device with a rated residual current of 30 mA or less

Special Warning for Electric hammer

- **Wear ear protection.** *Exposure to noise can cause hearing loss.*
- **Use auxiliary handle with the tool.** *Loss of control can cause personal injury.*
- **Hold Power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- **Wear a dust mask.**
- **When working with the power tool, always hold it firmly with both hands and provide for a secure stance.** The power tool is guided more secure with both hands.
- **Do not use the power tool with a damaged cord. Do not touch the damaged cord and pull the plug from the outlet when the cord is damaged while working.** Damaged cords increase the risk of an electric shock.
- **Before beginning work, check the working area (e.g. with a metal detector) to ensure that no concealed electric cables or gas and water pipes are present.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
- In case of damages the replacement of the plug or the supply cord shall always be carried out by the manufacturer of the tool or his service organization

2. Safety instructions

In this operator's manual/or machine's labels following symbols are used:



Accordance with essential applicable safety of European directives



Double insulation



Denote risk of personal injury, loss of life or damage to the tool in case of nonobservance of the instruction in this manual.



Indicate electrical shock hazard.



Immediately unplug the plug from the main electricity in the case that the cord gets damage and during maintenance.



Wear ear and eye protection.



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



Waste electrical products should not be disposed of with house hold waste, Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice.

Applications

The power tool is intended for chiseling work in concrete, brick, masonry and asphalt as well as for driving in and compacting, when using the respective accessories.

Technical Data

Demolition Hammer	511187
Rated Voltage	220V-240V
Frequency	50Hz
Rated input	1200W
Impact frequency	2700 ~ 3700 min ⁻¹
Weight (without cord)	6.3kg
Protection class	□

The values given are valid for nominal voltages [U] of 220-240V. For lower voltages and models for specific countries, these values can vary.

Accessories

Standard accessories

One bottle of grease	30g
Bull point chisel (18×350mm)	1 piece
Flat chisel (18×350mm)	1 piece
Carbon brush (6×10×14mm)	1 couple

OPTIONAL ACCESSORIES (sold separately)

1. Tine Chisel: 18*350mm (SDS max)



2. Flat Chisel : 18*350mm (SDS max)



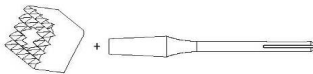
3. Big Flat Chisel : 18*400mm (SDS max)



4. Goose Chisel :18*400mm (SDS max)



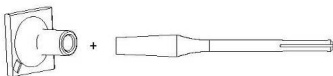
5. Surface Roughing (Hammering)



(1) Bushing Tool

(2) Shank

6. Tamping (Hammering)



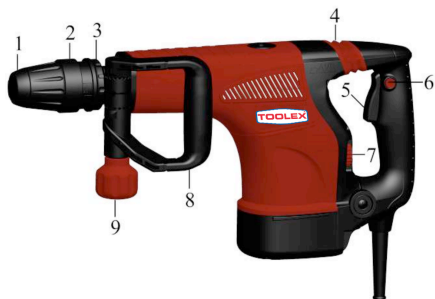
(1) Rammer

(2) Shank (150 x 150 mm)

Optional accessories are subject to change without notice.

Name of the parts

1. Hammer rod protector
2. Protective lining
3. Move limited ring
4. Shock Absorption Jacket
5. Switch
6. Lock button
7. Speed Adjuster Function Knob
8. Side Handle
9. Function Knob



Prior to operation

1. Power source

Ensure that the power source to be utilized conforms to the power requirements which specified on the name plate of the hammer.

2. Power switch

Ensure that the power switch is in the position of OFF. If the plug is connected to power receptacle while the power switch is in ON position, the demolition hammer will start operation immediately, which can cause serious accident!

3. Extension cord

When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

Assembly

Side Handle(with soft synthetic rubber padding)

Operate your power tool only with the Side Handle 8.

The Side Handle 8 can be set to any position(360°circumrotate) for a secure and low-fatigue working posture. Loosen the Function Knob 9, rotate the Side Handle 8 around the axis of the power tool to the required position and tighten the Function Knob 9 again.

Changing the tool

Before any work on the power tool itself, pull the mains plug.

With the SDS-max tool holder. Simpler and easier tool changing is possible without additional aids.

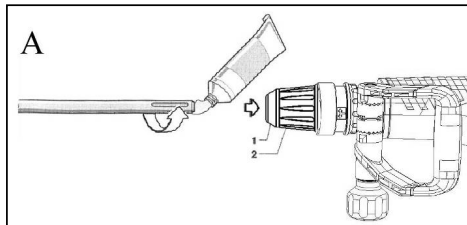
The Hammer rod protector 1 largely prevents the entry of drilling dust into the tool holder during operation. When inserting the tool, take care that the Hammer rod protector 1 is not damaged. A damaged Hammer rod protector 1 should be changed immediately. We recommend having this carried out by an after-sales service.

Inserting (see figure A)

Clean and lightly grease the shank end of the tool.

Insert the tool in a twisting manner into the tool holder until it latches itself.

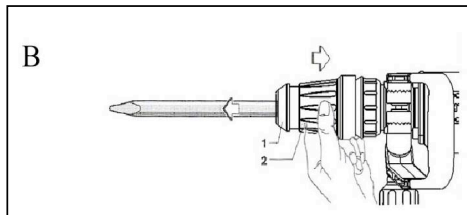
Check the latching by pulling the tool.



Removing (see figure B)

Push back the Protective lining 2 and remove the tool.

CAUTION: The insert tool may become hot during Use. There is a risk of burning the hands. Wear Protective gloves when changing insert tools.



Operation

Observe correct mains voltage! The voltage of the power source must agree with the voltage specified on the type plate of the power tool.

Before any work on the power tool itself, pull the mains plug.

Switch action

Switch on : Press the switch towards ①direction

Switch off : Release the switch towards ②direction

If continuous Operation, turn on the switch 5 and then push in The lock button6, to stop from the locked Position , just press the Switch 5 fully, then Release it.



NOTE :

If the power tool is used at a low temperature, or it is used after a long idle time, this demolition hammer should be kept running for above 5 minutes to warm up.

Shock absorption Equipment 4

The XP-G50VA is equipped with an active vibration reduction system, which cuts vibration of that of the without Active Vibration Reduction. This may significantly reduce the exposure level over the total working period. protect the operator form the effects of vibration.

Setting the Impact Rate

The electronic control enables stepless speed preselection in accordance with the material to be worked.

The constant electronic control keeps the preselected impact rate nearly constant between no-load and load conditions.

Select the impact rate with the Speed Adjuster Function Knob 6 according to the material.

Changing the Chiselling Position (Vario-lock)

The chisel can be locked in 12 positions. In this manner, the optimum working position can be set for each application.

Insert the chisel into the tool holder.

Push the Move limited ring 3 forward and turn the chisel to the required position with the Move limited ring 3.

Release the Move limited ring 3 and turn the chisel until it latches.

Maintenance and Service

Maintenance and cleaning

Before any work on the power tool itself, pull the mains plug.

For safe and proper working, always keep the power tool and the ventilation slots clean.

1. Inspecting the drill bits

Use a dull accessory, such as bull point, cutter, etc., will cause motor malfunction and efficiency degraded. Replace with a new one when your accessory is abased.

2. Check all external parts of the tool for damage at regular intervals. Do not operate the tool if parts are damaged. If necessary, your power tool should be repaired at a xipu authorized service center.

3. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Any loose should be tighten immediately, failure to do maybe cause serious hazard.

4. Inspecting the carbon brush

The motor employs carbon brushes, which are consumable parts. When they become worn to or near "wear limit", it could result in motor trouble. When an auto-stop carbon brush is equipped, the motor will stop automatically. At that time, replace both carbon brushes with new ones which have the same carbon brush.

In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

Warranty

For the condition of warranty, please refer to the separately provided warranty card.

Environment



Faulty and /or discarded electrical or electronic apparatus have to be collected at the appropriate recycling location.

NOTE:

Repair, modification and inspection of TOOLEX Industrial must be carried out by a Toolex Authorized Service Center.

This Parts List will be helpful it presented with the tool to the Toolex Authorized Service Center when

requesting repair or other maintenance.

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

MODIFICATIONS

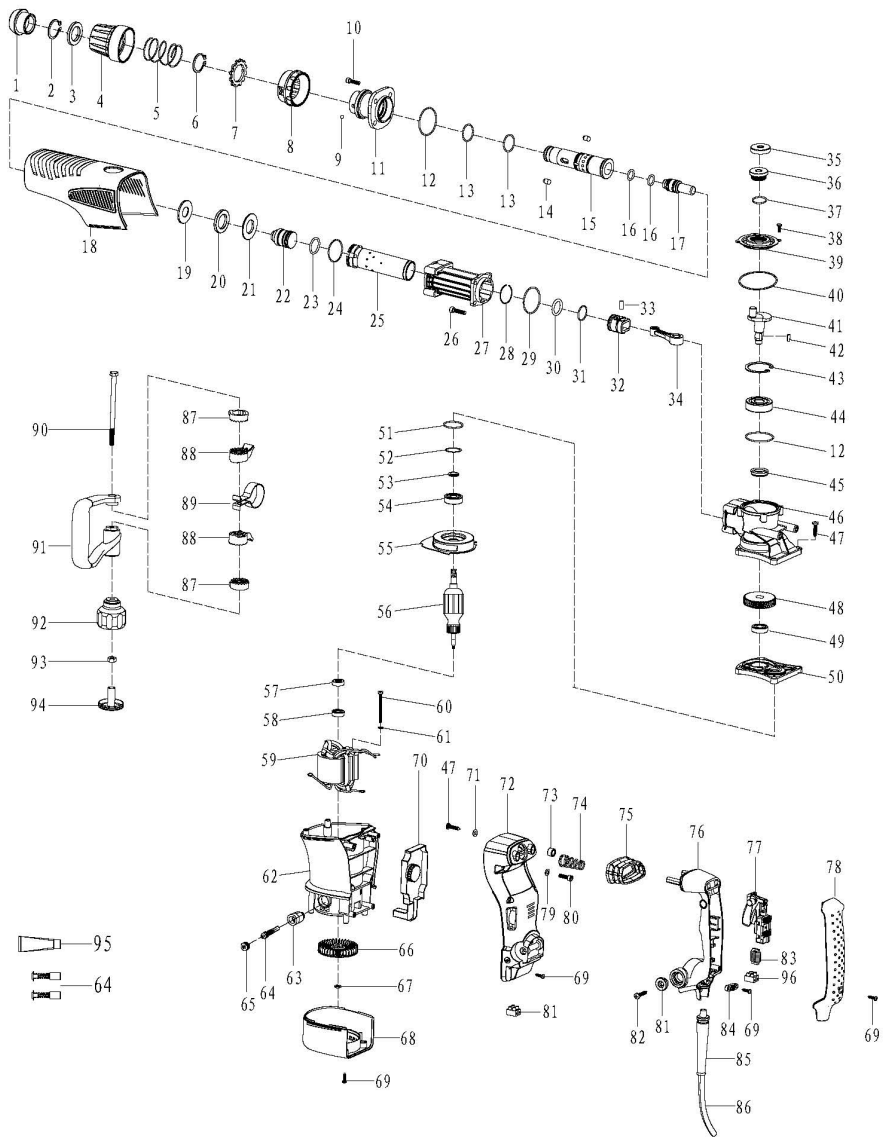
Toolex Power Tools are constantly being improved and modified to incorporate the latest technological advancements.

Accordingly, some parts may be changed without prior notice.

NOTE:

Due to Toolex continuing program of research and development, the specifications herein are subject to change without prior notice.

511187 Hammer Part Chart



511187 Hammer Part Chart

XP-No	Item No.	Part Describe	Quantity	XP-No	Item No.	Part Describe	Quantity
88263128	1	Hammer rod protector	1	88236012	49	Ball Bearing 6001 Z	1
88210140	2	Φ28 Retaining Ring	1	88290083	50	Inner Cover	1
88223066	3	Move limited ring	1	88263001	51	O-Ring Φ31.5×Φ2	1
88263133	4	Protective lining	1	88210063	52	Φ32 Urethane Washer	1
88223067	5	Flex Spring	1	88223003	53	Whorl Seal Ring	1
88210184	6	Φ32 Retaining Ring	1	88236010	54	Ball Bearing NSK 6201 DDu	1
88263134	7	Plum blossom chuck	1	88263137	55	Fan Guide	1
88263135	8	Move limited ring	1	88280115	56	Armature	1
88210182	9	Φ6 Steel Ball	4	88243033	57	Magnetism Inductarium	1
88210016	10	Hex. Socket Bolt M8×30(12.9)	4	88236001	58	Ball Bearing NMB 608	1
88273034	11	Front Cover	1	88280116	59	Stator	1
88263006	12	O-Ring Φ46.5×Φ2	2	88210042	60	ST4.8×58Tapping Screw	2
88263129	13	Fluorin O Ring Φ27.5×Φ2	2	88210055	61	Φ5 Flat Washer	2
88223068	14	Lock Staff Bead	2	88263138	62	Housing Ass'y	1
88273035	15	Hammer rod sleeve	1	88243007	63	Brush Holder	2
88263148	16	Fluorin O Ring Φ2.62×Φ15.54	2	88243028	64	Carbon Brush	2
88273036	17	Impact Hammer	1	88243001	65	Brush Cap	2
88263136	18	Cover	1	882890524	66	Fan	1
88273037	19	Hammer ring	1	88210187	67	M8×1×3.8 Nut (non standard)	1
88263131	20	Shock Absorption Washer	1	88263140	68	Fan Cover	1
88273038	21	Limit ring	1	88210115	69	ST4.2×16 Tapping Screw	11
88273039	22	Impact Piston	1	88243032	70	Speed Adjuster TSQ 05	1
88264009	23	Fluorin O Ring Φ3.5×Φ23	1	88210183	71	Φ5.5×Φ12×1 Flat Washer	2
88263034	24	O-Ring Φ36×Φ2	1	88263141	72	Main Handle Seat	1
88273040	25	Cylinder	1	88264107	73	Shock Absorption Ferrule	2
88210134	26	Hex. Socket Bolt M6×25(12.9)	4	88224029	74	Shock Absorption Spring	1
88290081	27	Aluminum Head	1	88263132	75	Shock Absorption Jacket	1
88223072	28	Steel Wire Block Ring Φ32×Φ1	1	88263142	76	Main Handle	1
88263009	29	O-Ring Φ44×Φ2	1	88243034	77	Switch	1
88263098	30	Fluorin O Ring Φ22×Φ4	1	88263143	78	Main Handle Cover	1
88263099	31	O-Ring Φ24×Φ1.8	1	88210056	79	Φ6 Flat Washer	2
88263097	32	Gas Press Piston	1	88210007	80	Hex. Socket Bolt M6×20	2
88223020	33	Piston PinΦ8×26	1	88223059	81	Main Handle Platen	2
88263096	34	Connecting Rod Ass'y	1	88210119	82	Tapping ScrewST5.5×25	2
88263124	35	Adorn Cover	1	88244018	83	0.18μH Electricity Feels	1
88223055	36	Oil Tank Cover	1	88261010	84	Cord Clip	1
88261054	37	O-Ring Φ20×Φ2	1	88261051	85	Cord Armor	1
88210188	38	Hex. Socket Bolt M4×12(12.9)	4	88250000	86	Cord	1
88223069	39	Shell cover	1	88263075	87	Disk with gap	2
88263003	40	O-Ring Φ55×Φ2.5	1	88263144	88	Clamping	2
88273002	41	Crank Shaft	1	88223070	89	Fixed belt	1
88210168	42	Palt Key 4×12	1	88210121	90	Hexagon head bolt M8×130	1
88210067	43	Φ47 Retaining Ring	1	88263077	91	Side Handle	1
88236013	44	Ball Bearing 6303 RS	1	88263078	92	Function Knob	1
88263005	45	Oil Seal Ring Φ18×Φ30×6	1	88320045	93	Nut M8×6.4	1
88290082	46	Decelerate Box	1	88263079	94	Function Knob cover	1
88210181	47	Tapping Screw ST5.5×30	6	88304012	95	Oil Bottle	1
88273041	48	Gear	1	88210076	96	Rivet	2