



WATER SANDER WS-6/WS-6S (With Safety Lever)

~ Pneumatic wet polisher ~

It has been 50 years since our world's first air polisher WS-5 was developed. Water Sander WS-6 and WS-6S had been developed with the latest Japanese technology.

The greatest features:

1. It is equipped with the latest motor, which increases the rotation speed and torque by up to 15% in spite of having less air consumption.
2. WS-6 is the first product in the industry equipped with the shaft lock system, so polishing pads can be exchanged easily. This shaft lock also helps to fix the polishing pads when they rotate around the axis without deflection.
3. The whole designing and manufacturing processes of WS-6 and WS-6S are made in Japan. All designs, processes, and assembly of parts are carried out by Japanese craftsmen.

PRODUCT INFORMATION

Rotation Speed	5000r.p.m. (without load) 4000r.p.m. (with load)
Max Working Pressure	0.4~0.6Mpa•80PSI
Air Consumption	16CFM•460L/Min
Output	0.24KW
Compressor	3.76KW (5.0HP)
Weight	1.02kg
Noise	83DB



This new feature helps to change polishing pads so that polishing pads perfectly rotate in a circle without any damage to the machine.

WS-6

WS-6S

A rear exhaust system reduces noise while polishing, reduces splashes of motor oil on users, and keeps users from the cold air coming out of the polisher.



WS-6S is equipped with a safety lever to comply with the EU Mechanical Directives.



Q & A:

Q.1 What is the main cause of trouble?

A.1 There are mainly 2 causes, air pressure from Compressor and Drain. WS-6 is designed with suitable air pressure 0.4~0.6 Mpa.
Old model was required more air pressure than new one. People who replaced with new model often use new tool with the same amount of air pressure. Using tool with excessive air pressure causes damage, because excessive spin strains gear.(By our research, with over 8000 RPM in rated 5000 RPM generally)
Also it causes damage that drain from compressor gets into Bearing.
Therefore we strongly recommend using Regulator air filter to prevent a failure cause.
WS-6 is a polisher that can fit Back Pad,80φ to 100φ. It can not be used with other sizes to grind and cut.

Q.2 How long is durable life of each parts?

A.2 2000 hours for the parts of relevant gear, 300 ~ 1000 hours for the parts of relevant Bearing, 500 hours for Vane.
The broken gear due to the malfunction of Bearing is often seen.
We recommend to have regular maintenance and replacement of Bearing and Vane.

DAILY MAINTENANCE:

Daily
lubrication



- 1:Drip lubrication oil 3~5 drops into air hose before and after using and then idle 30 seconds.
- 2:Check Backer Pad rotation before using, replace new Backer Pad in case of not making perfect circle.
- 3:Drain water of air compressor.
- 4:Check the operation of air filter.
- 5:Check and adjust compressed air with regulator before using.

Caution!

- WS-6 and WS-6S are air tools specially designed for back pads with sizes up to 100mm, but they are not used for cutting and grinding.
- Make sure to use the air polisher with the specified air pressure (0.4~0.6Mpa 80PSI) and air consumption (16CFM 460L/min), otherwise higher air consumption will damage polishers. If using the older model polisher, air consumption should be taken into account.
- Using an air filter and regulator is highly recommended to prevent the WS-6's breakage.



Parts List(WS-6)

No.	Part No.	Description		Qty
1	803W01	Screw		3
2A	803W02SA	Pipe Joint Assy		1 set
3	803W03	Head Gasket		1
4	803W04	Oil Seal		1
7	803W07	Water Pipe		1
8	803W08	Motor Case		1
9	3464	Ball Bearing	608ZZ	1
10	2611	Snap Ring		1
11	803W11	Bevel Gear		1
12	803W12	Ball Bearing	6302ZZ	1
13	803W13	Spindle		1
14	803W14	Nozzle		1
15	803W15	Key		1
16	803W16	Oil Seal		1
17	803W17	Spindle Cover		1
18	803W18	Lock Shaft		1
19	803W19	Lock Body		1
20	103N33	Spring		1
21	103N34	Lock Switch		1
22	803W22	Washer		1
23	3150	Handle		1
24	803W24	Motor Case Cover		1
25	803W25	Pinion Gear		1
26	3256	Ball Bearing	6000ZZ	2
27	803W27	Front Plate		1
28	803W28	Spacer		1
29	803W29	Rotor		1
30	7115	Vane		4
31	7116	Cylinder		1
32	803W32	Spring Pin		1
33	803W33	Rear End Plate		1
34	3310	Ball Bearing	626ZZ	1
35	803W35	Bearing Cap		1
36	803W36	Intake Cover		1
37	803W37	Motor Gasket		1
38	803W38	Water Adjust Valve		1
39	803W39	Valve Nut		2
40	803W40	Nut		1
41	803W41	Valve Washer		1
42	2484	O-Ring		1
43	803W43	Retaining Ring		1
45A	803W45SA	Valve Body Assy		1 set
47	803W47	Valve Bush		1
48	803W48	Needle Roller		1
49	5002	O-Ring	KS-5	2

No.	Part No.	Description		Qty
50	1364	Wave Washer	WW8	1
51	803W51	Throttle Valve		1
52	803W52	Silencer		1
53	4710	Cap Screw	M4x15	4
56	803W56	Hose (Air / Water)	3m	2
59	803W59	Hose Band		1
60	803W60	Muffler		2
61	803W61	Water Hose Joint Assy	61A+61B	1
62	803W62	Air Hose Joint Assy	62C+62D	2
90	803W90	Exhaust Hose		1
A1	5015	Coupler		1
	3143	Wrench		1

**Maintenance
disassembly**



About Us

TOUEI INC.



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