

# OPERATION MANUAL

SINGLE BELT ROUND ROD SANDER

# WINTER FS-80B



## WARNING!

The operator must thoroughly read this manual before operation.  
Keep this manual for future reference.

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## HIGH-SPEED ROUNDED WOOD ROD POLISHING MACHINE

### FS-80B

is a precise SINGLE BELT ROUND ROD SANDER. We believe that if you operate it normally and make a good maintenance on time , the machine will stay in a perfect condition. Before operating the machine , please read the instruction carefully.

### SPECIFICATIONS :

TYPE	FS-80B
Main Shaft Motor ( HP )	3
Vacuum Cleaner Motor ( HP )	1
Work area diameter	$\varphi 5 \sim \varphi 80\text{m/m}$
Sand Belt	5"x73"
Grinder R.P.M. ( m/min )	900
Feeding speed	1-20M
Size of machine ( cm )	75x75x135
Packing size ( cm )	88x85x152
Net weight ( kg )	250
Exported Packing Weight ( kg )	320

### FEATURES :

- 1 、 Suitable to the grinding for all kinds of round bar such as lumber sticks, rattan, metal, acrylic, graphite.....etc.
- 2 、 Besides the grinding to crude grains, it is suitable to grinding for what of fine products with spray painting.  
The rough and fine grindings can be done at the same time.  
It can enhance the operation ability higher.
- 3 、 It can be adjusted arbitrarily according to length, diameter and inclination widely require for grinding.
- 4 、 Easy to operate, special technician isn't required. The machine can enhance the efficiency of work.

## OPERATION STEPS :

- 1、 Put machine in a steady position , and then check whether the power is suitable to motor voltage. Turn on the electricity supply and examine whether the revolution of main shaft follows the arrows. If not , turn off the power and switch the two wire lines.
- 2、 Adjust the working table to a lower or higher position according to the diameter of material.
- 3、 Change and adjustness of the sand belt :
  - (1) Press the rod of sand belt in the direction of clockwise 【Fig 1-A】 and then you can change the sand belt. After that, move the adjusting rod back. Note: After the start of machine, keep away from lifting up the adjusting rod to prevent danger.
  - (2) Adjust the screw 【Fig 1-B】 for pulling out-in the sand belt. The sand belt should be aimed at the center of wheel.

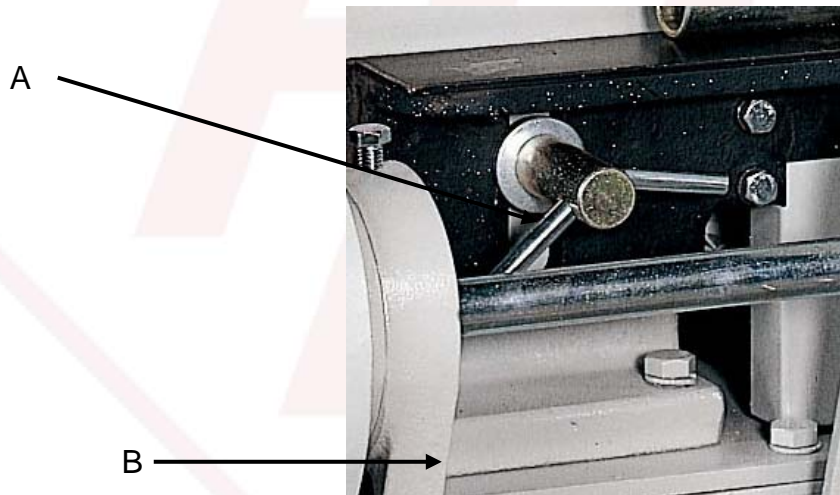


Fig 1

- 4、 The suitable pressure for pressing wheel is to keep the thickness of material less than 1M/M.  
The adjustment procedure :  
Loose the nut 【Fig 2-A】 and adjust the screw 【Fig 2-B】 according to the pressure and then lock nut 【Fig 2-A】 .

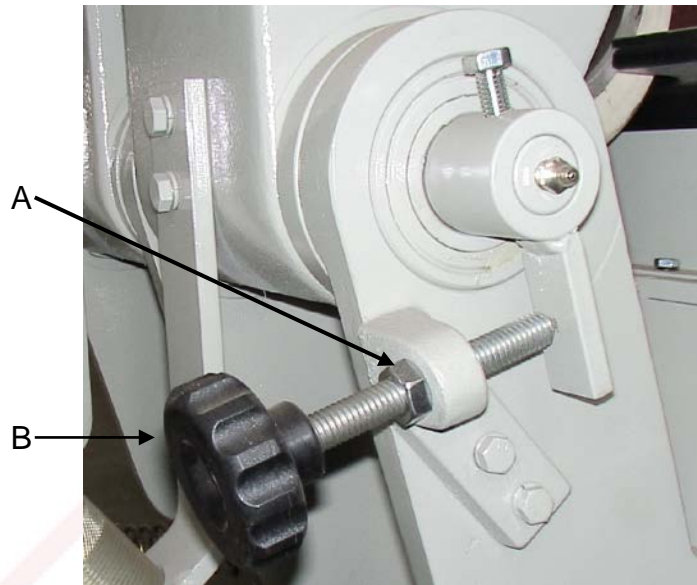


Fig 2

5 · The adjustment of proceeding speed of sand belt :

If you put the pressing wheel right at the center, the speed will turn slow. On the contrast, the sander the wheel is, the faster the speed occurs. Adjust the screw according to what you what you need. 【Fig 3-A】

Note: The machine must be turned on, when you adjust it.

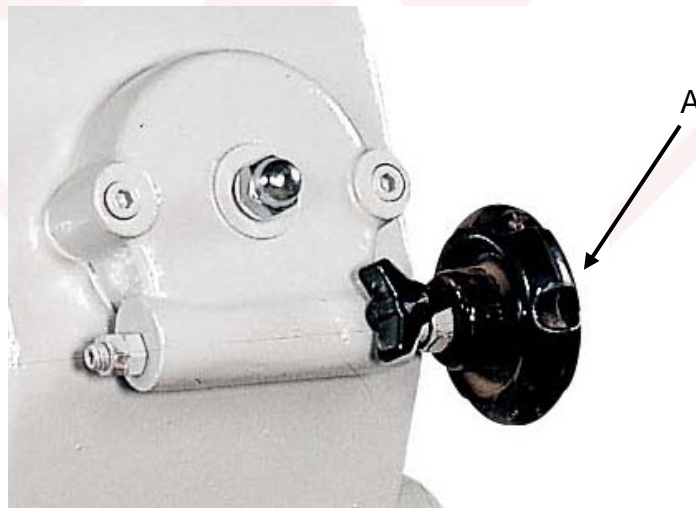


Fig 3

6 · The adjustment of the spring pressure is according to crank of the materials. The bigger the obliquity is, the heavier pressure becomes.



Fig 4

**MAINTENANCE:**

- 1 、 Fill in grease to the oil intake before operation every day.
- 2 、 Add the grease to the moving shaft.

During the operation, neither let other things except the materials needed stay between the working table and sand belt nor use anything sharp for finding.

- 3 、 To clean dust and remains on the machine , after finished daily operation.

If you need the accessories of sand belt or other , or other services , you are welcome to contact our agents near your address. We are glad to be of service to your satisfaction.

THANK YOU! MAY YOU BE HAPPY WITH YOUR MACHINE!

## ROD MILLING MACHINE

PART NO	<u>PART NAME</u>	Unit <u>QUANTITY</u>
1	Body	1
2	Motor	1
3	Spring washer	14
4	Hexagon Screw	13
5	Kery	1
6	Sand Belt Drum	1
7	Spring washer	1
8	Nut	1
9	Pulley	1
10	Spring washer	2
11	Nut	2
12	Sub Worktable	1
13	Spring washer	8
14	Hexagon Screw	8
15	Hanging Brocket	14
16	Spring washer	1
17	Hexagon Screw	8
18	Round head Screw	10
19	Hanging	2
20	Hexagon Screw	1
21	Spring Seat	1
22	Idel Seat	1
23	Shaft of Seat	1
24	Ball Bearing	4
25	Pulley	1
26	Washer	1
27	Hexagon Screw	7
28	Washer	4
29	Hexagon Screw	4
30	Hanging	1
31	Dust Catcher Motor Packing	1
32	Hexagon Screw	8
33	Dust Catcher Motor	1
34	Hanging	1



**ROD MILLING MACHINE**

<u>PART NO</u>	<u>PART NAME</u>	<u>Unit QUANTITY</u>
35	Movable handle	1
36	Hexagon Screw	6
37	Spring washer	6
38	Protection Uses Cover Bracket	1
39	Setting Rule Brocking	1
40	Hexagon Screw	2
41	Workpiece Size Adjusting Handle	1
42	Nut	6
43	Grease Nipple	2
44	Setting Rule	1
45	Ball Bearing	2
46	Rubber Wheel Guard Bracket	1
47	Pin	1
48	Drive Wheel	1
49	Rubber Wheel Guard	1
50	Snap Ring	1
51	Ball Bearing	2
52	Rubber Wheel	1
53	Rubber Wheel Shaft	1
54	Rubber Wheel Shaft Carriage	1
55	Carriage Shaft of Rubber Wheel Shaft	1
56	Feed Control Spring	1
57	Worm Gear	1
58	Snap Ring	1
59	Setting Bolt of Worm Gear	1
60	Worm Gear Bracket	1
61	Nut	1
62	Socket Head Screw	2
63	Snap Ring	1
64	Adjusting Worm	1
65	Nut	1

## ROD MILLING MACHINE

<u>PART NO</u>	<u>PART NAME</u>	<u>Unit QUANTITY</u>
66	Movable Handle	1
67	Spring Handle	1
68	Nut	5
69	Handle	1
70	Spring Seat	1
71	Protection Uses Cover Bracket	1
72	Protection Uses Cover Bracket	1
73	Drive wheel shaft	1
74	Ball Bearing	1
75	Adjusting Disk of Spring Loose & Tight	1
76	Pulley	1
77	Hexagon Screw	1
78	Pulley Hanging	1
79	Hexagon Screw	2
80	Spring Handle	1
81	Spring Sleeve	1
82	Feed Wheel Guard Spring	1
83	Hanging Arm Bracket	1
84		1
85	Hexagon Screw	2
86	Handle	2
87	Spring Seat	1
88	Spring	1
89	Body Handle	1
90	Hexagon Screw	1
91	Pin	1
92	Upper Sand Belt Drum Shaft	1
93	Upper Sand Belt Drum	1
94	Snap Ring	1
95	Hexagon Screw	1



**ROD MILLING MACHINE**

<u>PART NO</u>	<u>PART NAME</u>	<u>Unit QUANTITY</u>
96	Crank	1
97	Handle	1
98	Crank Handle	1
99	Spring pin	2
100	Washer	6
101	Pin	1
102	Back Drum Becket	1
103	Ball Bearing	4
104	Sand Belt Back Drum Shaft	2
105	Sand Belt Back Drum	2
106	Socket Head Screw	4
107	Sub Worktable	1
108	Washer	1
109	Hexagon Screw	3
110	Worktable	1
111	Worktable Bracket	2
112	Hanging	1
113	Hanging	1