



SUMAKE®

PNEUMATIC TOOLS



3" STRAIGHT GRINDER LEVER TYPE ST-7780L

SPECIFICATION

Free Speed (rpm)	12000	Vibration EN28662-1 EN ISO 28927-2	Noise EN ISO 15744:2008	Remark
Spindle (UNF)	3/8" - 24			
Wheel (mm)	75 x 9.5 x 13	No-load: 1,47m/s ²	Sound pressure level 86.2 dB	Should wear an approved ear - protector and gloves while operating tool.
Wire Brush (mm)	75 x 12.7 x 13		Sound power level 97.7 dB	
Length (mm)	381			
Air Consumption (cfm)	6			
Air Hose (inch)	1/2"			
Air Inlet (inch)	3/8"			
Air Pressure (bar)	6.3			
Net Weight (kgs)	2			

EC DECLARATION OF CONFORMITY FOR MACHINERY

Manufacturer: SUMAKE INDUSTRIAL CO.,LTD.

Address: 4F,-NO. 351, YANGGUANG ST., NEIHU DISTRICT
TAIPEI CITY 114, TAIWAN

**herewith declares
that:** **3" Straight Grinder Lever Type
ST-7780L**

- is in conformity with the provisions of the Machinery Directive (Directive 2006/42/EC), as amended, and with national implementing legislation:

-and have been tested according to:
EN ISO 12100-1:2003/A1:2009, EN ISO 12100-2:2003/A1:2009, EN 792-6:2000+A1:2008

Taipei, Taiwan Apr / 2 / 2010



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Signature

MIKE SU
.....

Full name

Foreword

Sumake is a manufacturer and exporter of air tools since established. We have devote all our effort in improving quality and tools life. As well as the noise and vibration of tools. Bring all of your working efficiency, profits and enjoy using the tool is our principle.

Operator's instruction

■ Features

Ideal for cleaning casting, foundries, smoothing welds in forge shops, and smoothing applications in fabrication shops.

■ Cautions for Use

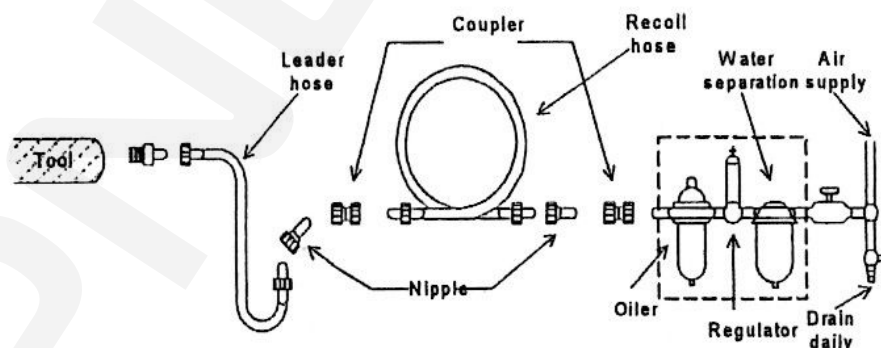
● Air pressure

Maximum performance is displayed at the proper sanding speed, obtainable at a gauge pressure of 6.2 bar. Range-wise, this is an air pressure from 5 to 7 bar (70 to 100 psi)



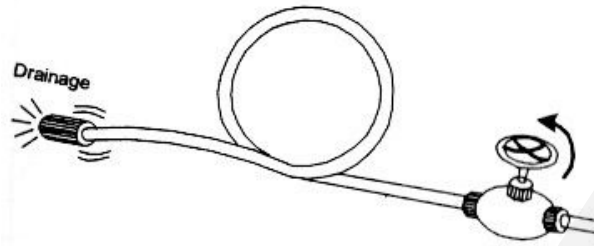
● Air line

Use a 1/2" air hose between the compressor and the tool. Compressed air is cooled and its water content separated, as soon as the air leaves the compressor. A portion of the water content, however, is condensed in the piping, and can enter the tool mechanism, and may cause trouble. So, install an air filter and an oiler between the compressor and the tool. Use a 3HP or larger compressor.



● Air hose

Clean the hose with a blast of compressed air before connecting the hose to air tool. This will prevent both moisture and dust within the hose from entering the tool and causing possible rust or malfunction. To compensate for unusually long hose (over 25 ft), the line pressure should be increased accordingly.

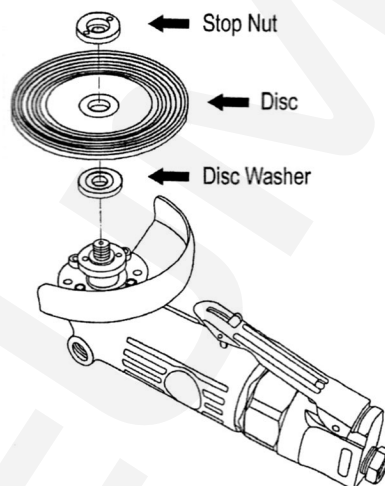


- The approved eye protector, ear-muff, mouth-muffle, and gloves shall be worn when operate this tool.
- The working place shall be ventilated.
- Release the on-off device in the case of energy supply failure.

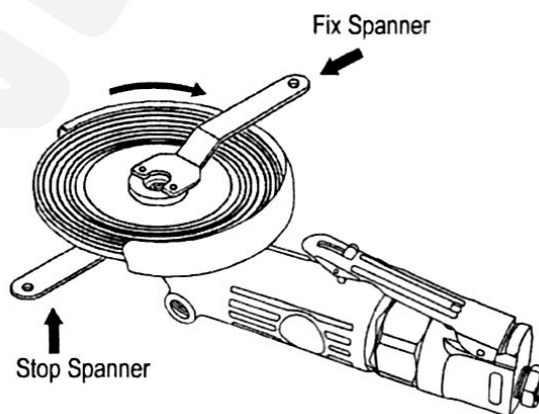
■ **Assembly and Operation Method**

● Assembly:

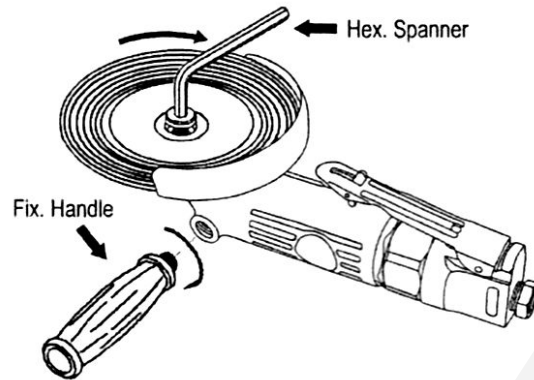
- ▶ Set Disc, then fix Disc Screw in clocwise direction (Do not put Disc Screw up-side-down and Disc screw remember to rotate it to fix.)



- ▶ Hold Stop Spanner by hand, screw up Disc Screw with Fix Spanner in clockwise direction.



- ▶ Screw up Stop Screw with Hex Spanner in clockwise direction. Fix handle in clockwise rotation.

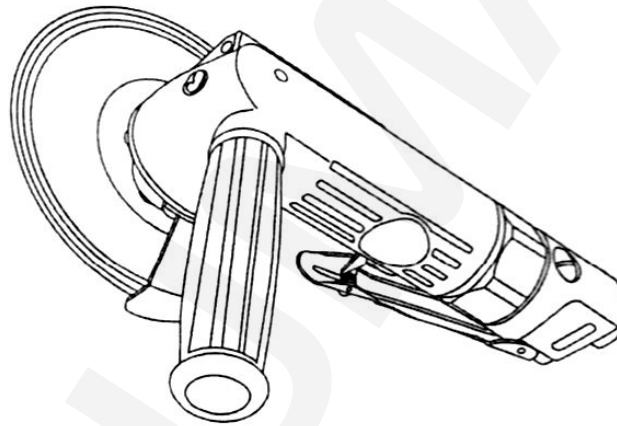


CAUTION

1. Disconnect tool from air supplier before assembling or replacing
2. Before using the tool, read safety instruction and follow it for your own security.

● On-off device

To operate this tool, just push the lever toward the tool itself. The tool continuously reciprocates as one push the lever down and it stops running as the lever is released.



■ **Maintenance**

● Lubrication

Before connecting the hose, apply 4 or 5 drops of #60 spindle oil at the air inlet. Use of a thicker oil can lead to reduced performance or malfunction. If a thicker oil is used by accident, wash it away immediately. Also, every 3 or 4 hours of operation, oiling is necessary.

● Storage

Avoid storing the tool in a location subject to high humidity. If the tool is left as it is used, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool at the air inlet with spindle oil and run it for short time.

● Disposal

If the tool is too seriously damaged to be used any more, drop it in a resource recycling can. Never drop it into fire.

● Ordering service Parts

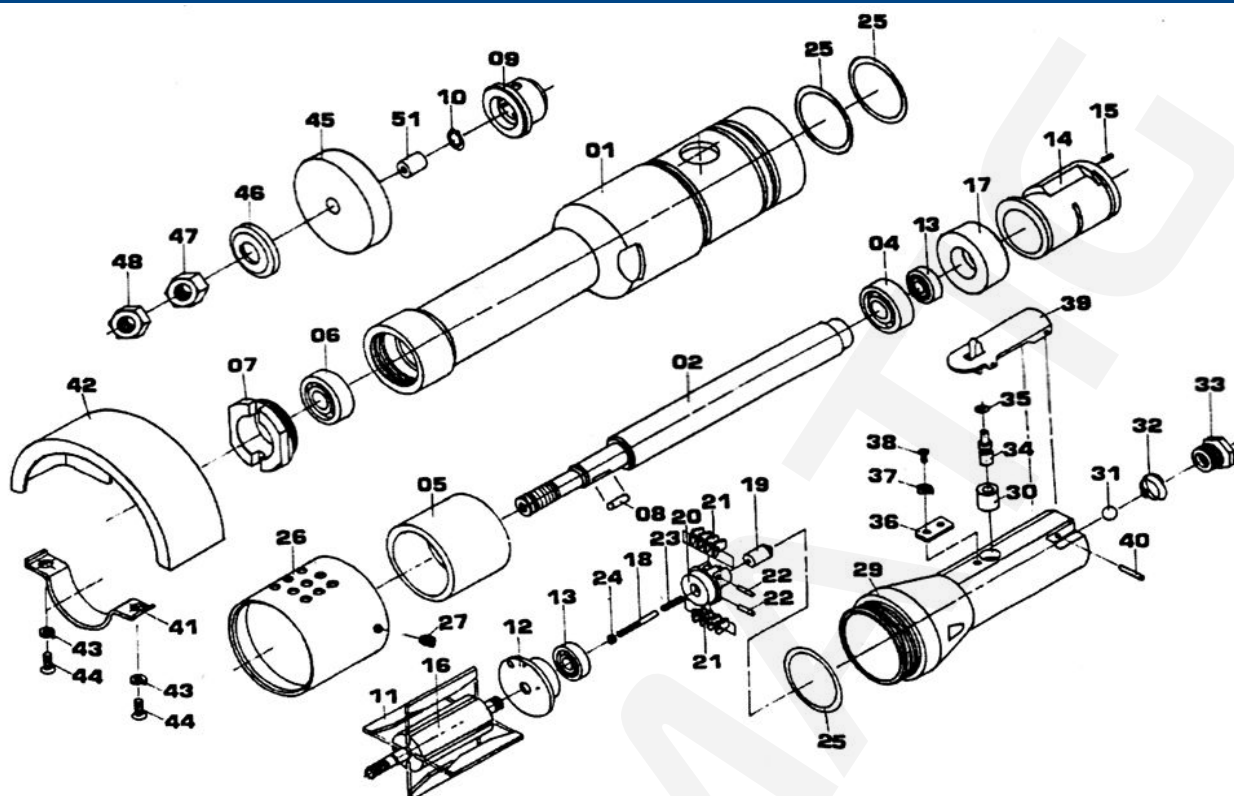
For further operational and handling information or of replacement of parts and components, contact the sale agent from whom you purchased the tool or the service division of our company.

** In ordering parts and components, give each part number, name and quantity.*

Warning

- This tool is not insulated for coming into contact with electric power source.
- It is forbidden to use this tool in explosive atmospheres and do not put any combustible material near the workpiece since it will emit sparks, dust, and/or fumes when working in certain material.
- Prevent long hair or loose clothing from drawing in while operate this tool.
- Never carry the tool by hose and beware of a whipping compressed air hose.
- The workpiece shall be fixed by proper device.
- Keep your body balance and beware of the fall of the severed workpiece.
- Excessive air pressure not only reduce the service life of this tool but also increase the danger. It is better to use a pressure regulator to control the air pressure being supplied to the tool.
- It remains rotating for few second after releasing the lever

ST-7780L 3" Straight Grinder Lever Type



PARTS LIST

No.	Parts No.	Description	Q'ty	No.	Parts No.	Description	Q'ty
1	7780L-01	Motor Housing	1	29	7780L-29	Throttle Valve Housing	1
2	7780L-02	Arbor Composition	1	30	7780L-30	Bushing	1
4	7780L-04	Ball Bearing	1	31	7780L-31	Steel Ball	1
5	7780L-05	Spacer	1	32	7780L-32	Conical Spring	1
6	7780L-06	Ball Bearing	1	33	7780L-33	Air Inlet Bushing	1
7	7780L-07	Bearing Cap	1	34	7780L-34	Valve Stem	1
8	7780L-08	Needle Roller	1	35	7780L-35	O-Ring	1
9	7780L-09	Flange	1	36	7780L-36	Lock Sheet	1
10	7780L-10	External Stop Ring	1	37	7780L-37	Spring Washer	1
11	7780L-11	Rotor	1	38	7780L-38	(+) Button Head Screw	1
12	7780L-12	Rear End Plate	1	39	7780L-39	Throttle Lever Ass'y	1
13	7780L-13	Ball Bearing	2	40	7780L-40	Spring Pin	1
14	7780L-14	Cylinder	1	41	7780L-41	Guard Clamp Plate	1
15	7780L-15	Spring Pin	1	42	7780L-42	Center Wheel Guard	1
16	7780L-16	Rotor Blade	4	43	7780L-43	Spring Washer	2
17	7780L-17	Front End Plate	1	44	7780L-44	(+) Button Head Screw	2
18	7780L-18	Adjust Screw	1	45	7780L-45	Straight Grinding Wheel	1
19	7780L-19	Plunger	1	46	7780L-46	Flange	1
20	7780L-20	Governor	1	47	7780L-47	Hex Nut	1
21	7780L-21	Pendulum	8	48	7780L-48	Hex Nut	1
22	7780L-22	Spring Pin	2	49	7780L-49	Setting Bar	1
23	7780L-23	Spring	1	50	7780L-50	Single Ended Spanner	1
24	7780L-24	Adjust Nut	1	51	7780L-51	Spacer Collar	1
25	7780L-25	O-Ring	3	K01	7780L-K01	Throttle Valve Housing Kit	1set
26	7780L-26	Exhaust Deflector	1	K02	7780L-K02	Valve Kit	1set
27	7780L-27	Set Screw	1	K03	7780L-K03	Governor Kit	1set