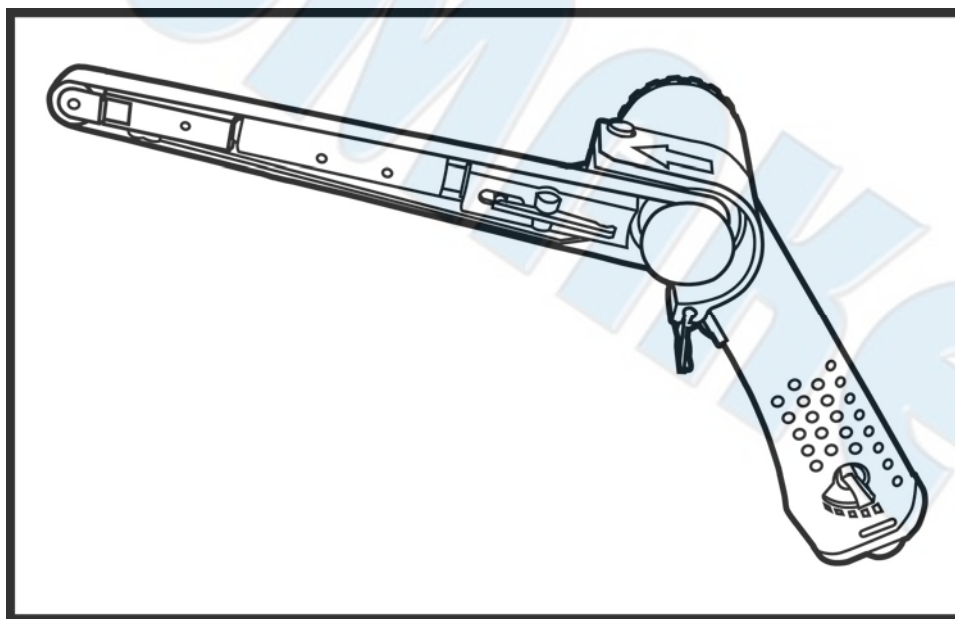




# SUMAKE PNEUMATIC TOOLS



## Air Belt Sander (13x457mm) \*Rubber Pulley Type\* ST-M5090-R

### Specification:

Free Speed	16,000 r/min
Sanding Pad	(13mm x 457mm)
Air Consumption	4 CFM (113 L/min)
Overall Length	15-1/6" (385 mm)
Air Inlet (PT)	1/4" (6.35 mm)
Air Hose (I.D.)	3/8" (10 mm)
Air Pressure	90 psi (6.3 bar)
Net Weight	2.15 lbs (0.98 kg)

### Noise and Vibration:

Vibration EN ISO 28927-3	Noise EN ISO 15744	Remark
No Load: 1.64 m/s <sup>2</sup>  Uncertainty K= 1.5 m/s <sup>2</sup>	Sound Pressure Level load: 94 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level load: 105 dB(A)	
	Uncertainty K= 3dB	

SUMAKE INDUSTRIAL CO., LTD

4F,NO.351,Yangguang St.,Neihu District TAIPEI, TAIWAN, ZIP:114-91

ST-M5090-R-S-1612A-D5F



## EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**

**4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan**

declare in sole responsibility that the equipment

Equipment : **AIR BELT SANDER (13x457mm) \*Rubber Pulley Type\***

Model/ Serial No. : **ST-M5090-R**

to which this declaration applies, complies with these normative documents:

- Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- EN ISO 12100: 2010
- EN ISO 11148-8:2011

Name and Signature/Position

Mike Su – Managing Director

Date and Place

2016/9/14

Taipei, Taiwan

ST-M5090-R-D-1612A-D5F

## Foreword

SUMAKE is a manufacturer and exporter of air tools since established. We have devote all our efforts in improving quality and tools' life. As well as the noise and vibration of tools. Bring all of you working efficiencies, profits, and enjoy using the tool is our principle.

## Features

1. Finishing of flat surfaces, curved surfaces, and corner can be freely performed by changing the shoe.
2. Since it is small, lightweight, and balanced so that the grinding surface is stable, extremely fine finishing is possible.
3. The grinding speed can be freely adjusted by raising or lowering the lever according to the application.
4. Rear exhaust eliminates flying dust and noise.

## Operator's instruction

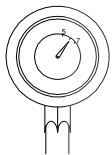
### 1. Main Applications

Finishing metal carts and products.  
Finishing welded surface.  
Trimming parts.  
Filletting.  
Finishing steel cabinets and furniture.  
Foundation finishing prior to coating.  
Finishing plastic products, glass, and earthenware.  
Finishing stone and decorative wood products.  
Finishing sashes and other building material.  
Light and medium duty auto, ship and aircraft finishing.

### 2. Cautions for Use

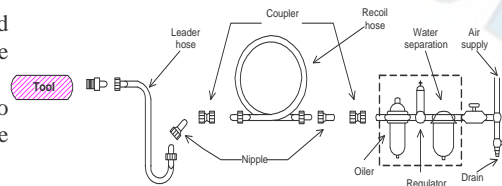
#### 2-1 Air pressure

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)



#### 2-2 Air line

Use a 3/8" 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 on oiler between the compressor and the tool. Use a 3 HP or larger compressor for each sander.



#### 2-3 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.



#### 2-4 Sandpaper

The specification of sandpaper ranges from # 40 to # 200. Also note that, the maximum operating speed which the sandpaper can afford shall be higher than the rotation speed of this tool.

2-5 The approved eye protector, ear-muff, mouth-muffle, and gloves shall be worn when operate this tool.

2-6 The working place shall be ventilative.

2-7 Release the on-off device in the case of energy supply failure.

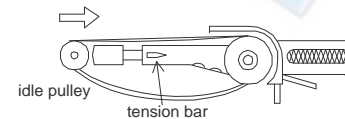
## 3. Operation, Adjusting And Replacing Method

### 3.1 On-off device

The on-off device is under the grip of this tool. It is a "hold-to-run" type. You can also adjusting the running speed by raising or lowering the lever. This tool stops rotation within few sec, after releasing the lever. For the sake of safety, put it on a soft cloth or on hanger after it completely stops.

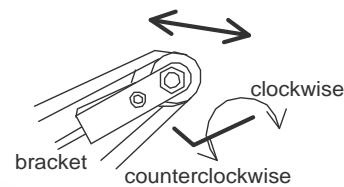
### 3.2 Replace the sandbelt

Disengage and remove the sandbelt from the idle pulley after pushing the idle pulley in the direction shown below. Replace a new one and keep your hand away from the idle pulley. Then push the tension bar indicated on the drawing and the sandbelt will be propped into the ready position.



### 3.3 Adjusting tracking

If the sandbelt is not centered on the idle pulley, adjust the hexagon socket head bolt on the idle pulley bracket with accessory hexagon wrench key until centering is correct. Turn the hexagon socket counter clockwise, the belt is moved toward the bracket, and vice versa.



## 4. Maintenance

### 4-1 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.

### 4-2 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 a short

### 4-3 Disposal

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

### 4-4 Ordering service Parts

For further operational and handling information or for 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

1. This tool is not insulated for coming into contact with electric power source.
2. It is forbidden to use this tool in explosive atmospheres and do not put any combustible material near the workpiece since it emit sparks when grind with metal material.
3. Ensure that the sandbelt is on the central of idle pulley and not to fix too tight/loose. Too tight tends to break off and too loose tends to break away.
4. Prevent long hair or loose clothing from drawing in while operate this tool.
5. Never carry the tool by hose and beware of a whipping compressed air hose.
6. Rotating action can cause this tool to become hot. Allow to cool and disconnect air hose before any changing or adjusting.

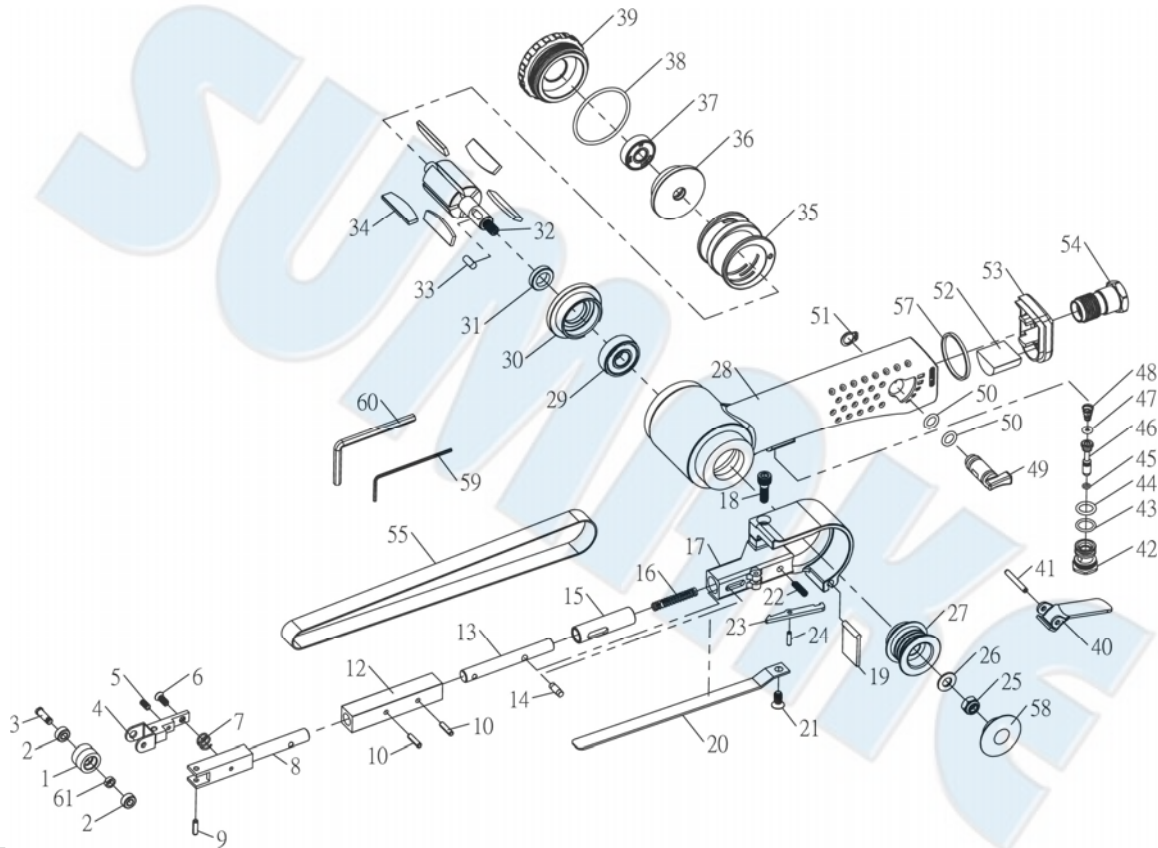


ST-M5090-I-1611A-D5



# ST-M5090 AIR BELT SANDER (13x457mm)

## ST-M5090-R AIR BELT SANDER (13x457mm) \*Rubber Pulley Type\*



### PARTS LIST

No.	Parts No.	Description	Q'ty
1	M5090-01	Idle Pulley	1
	M5090-01A	Idle Pulley (Rubber) [ST-M5090-R]	1
2	M5090-02	Ball Bearing (684ZZ)	2
3	M5090-03	Idle Pulley Screw	1
4	M5090-04	Bracket 12.5	1
5	M5090-05	Set Screw (M3x5)	1
6	M5090-06	Hexagon Socket Headless Set Screw	1
7	M5090-07	Spring	1
8	M5090-08	Tension Bar	1
9	M5090-09	Spring Pin (Φ3x10)	1
10	M5090-10	Spring Pin (Φ3x12)	2
12	M5090-12	Tension Spindle	1
13	M5090-13	Dead Handle	1
14	M5090-14	Stopper Pin	1
15	M5090-15	Guard Bushing	1
16	M5090-16	Tension Spring	1
17	M5090-17	Guard Body	1
18	M5090-18	Head Cap Screw (M5x15)	1
19	M5090-19	Dust Cover	1
20	M5090-20	Shoe 12	1
21	M5090-21	Hexagon Socket Headless Set Screw	1
22	M5090-22	Stopper Spring	1
23	M5090-23	Stopper	1
24	M5090-24	Spring Pin (Φ2.5x10)	1
25	M5090-25	Hexagon Nut (M6)	1
26	M5090-26	Washer (M6)	1
27	M5090-27	Drive Pulley	1
28	M5090-28	Housing	1
29	M5090-29	Ball Bearing (6000ZZ)	1
30	M5090-30	Front End Plate	1
31	M5090-31	Spacer	

No.	Parts No.	Description	Q'ty
32	M5090-32	Rotor	1
33	M5090-33	Parallel Key Both Ends Round 4x4x9.5	1
34	M5090-34	Rotor Blade	5
35	M5090-35	Cylinder	1
36	M5090-36	Rear End Plate	1
37	M5090-37	Ball Bearing (608ZZ)	1
38	M5090-38	O-Ring (S38)	1
39	M5090-39	Cap	1
40	M5090-40	Throttle Lever	1
41	M5090-41	Spring Pin (Φ3x20)	1
42	M5090-42	Valve Body	1
43	M5090-43	O-Ring (S11.2)	1
44	M5090-44	O-Ring (ID9.8x2.4)	1
45	M5090-45	O-Ring (ID3x1)	1
46	M5090-46	Valve Stem	1
47	M5090-47	O-Ring (P3)	1
48	M5090-48	Valve Spring	1
49	M5090-49	Air Regulator	1
50	M5090-50	O-Ring (P7)	2
51	M5090-51	Snap Ring	1
52	M5090-52	Muffler	1
53	M5090-53	Exhaust Diffuser	1
54	M5090-54	Inlet Bushing	1
55	M5090-55A	Grinding Belt (#100)	1
	M5090-55B	Grinding Belt (#80)	1
57	M5090-57	Ring	1
58	M5090-58	Pulley Cover	1
59	M5090-59	Hex. Wrench	1
60	M5090-60	Hex. Wrench	1
61	M5090-61	Washer	1