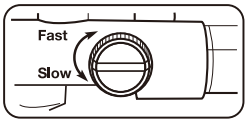
PNEUMATIC TOOLS
SHINANO INC.

# SI-3101/SI-3101-6
# SI-3103A/SI-3103-6A
# SI-3103B (Hevy Duty Type)
# SI-3111/SI-3111-6 (Self Vacuum Type)
# SI-3113A/SI-3113-6A (Self Vacuum Type)
# SI-3121/SI-3121-6 (Central Vacuum Type)

# INSTRUCTION MANUAL FOR DOUBLE ACTION SANDERS

## Operation Procedures

1. Connect the coupler to the air inlet ❶ on the rear side of the tool.
   - In case of SI-3111 & SI-3113A (Self Vacuum type), the dust hose equipped with the dust pack should be securely covered over the exhaust port ❷.
2. Make sure the pad should be securely mounted, and attach the paper or the Face cover (SI-3121).
   - In case of SI-3111 & SI-3113A(Self Vacuum type), the paper hole should be fit to the pad dust vacuum hole, and securely patched thereto.
3. Pour approx. 0.5cc (2 to 3 drops) of the oil through the coupler. Connect it to the air hose, and run for 3 to 5 seconds to circulate the oil.
4. Adjust revolutions with the air regulator ❸.

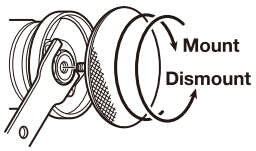



5. Press the throttle lever ❹ for operation, and release it for stop.

## Replacement of Pad

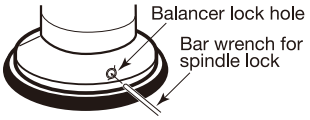
- The nut should be nipped and fixed with the spanner wrench.

**SI-3101 / SI-3111**
**SI-3121 / SI-3121-6**




**SI-3103A / SI-3113A**
**SI-3103B**

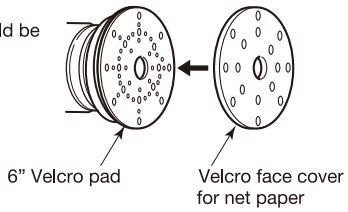
- Insert the bar wrench to the balancer lock hole and fixed spindle.




## How to attach the velcro face cover

**SI-3121-6**

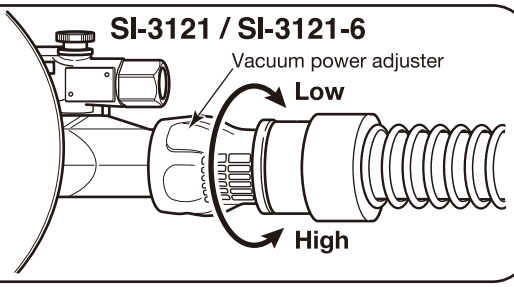
- Velcro face cover should be fit to the multihole pad.



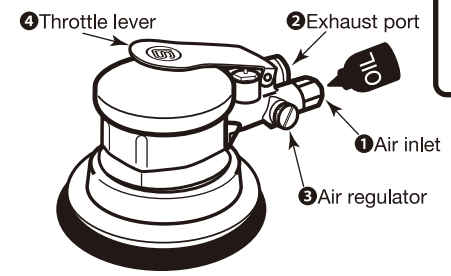

## How to use of Vacuum power adjuster

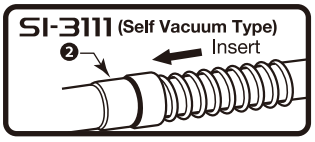
- Adjust revolutions with the vacuum power adjuster ❺.

**SI-3121 / SI-3121-6**




## SI-3101 / SI-3111

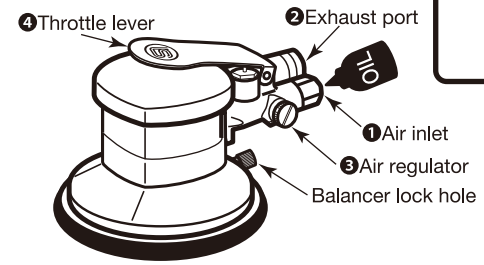


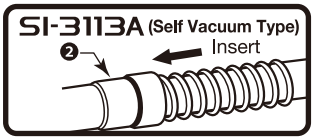




**rpm : 10,000rpm**

**Accessories : SI-3111 (Dust free type)**
Spanner wrench (1), Safety instructions (1)
19ϕ Dust hose (1), Dust pack (1), 5″ Disc pad or 6″ Disc pad (1)
**SI-3101**
Spanner wrench (1), Safety instructions (1)
5″ Disc pad or 6″ Disc pad (1)

## SI-3103A / SI-3113A

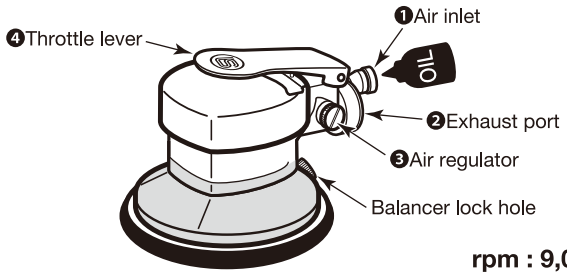



**rpm : 9,000rpm**

**Accessories : SI-3113A (Dust free type)**
Spanner wrench (1), Safety instructions (1)
25ϕ Dust hose (1), Dust pack (1)
5″ Disc pad or 6″ Disc pad (1), Bar wrench (1)
**SI-3103A**
Spanner wrench (1), Safety instructions (1)
5″ Disc pad or 6″ Disc pad (1), Bar wrench (1)

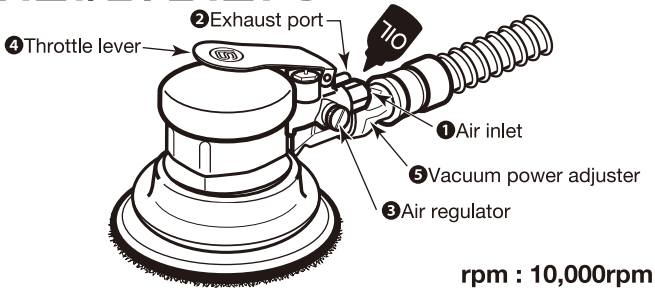
## SI-3103B (Hevy Duty Type)




**rpm : 9,000rpm**

**Accessories : SI-3103B (Hevy Duty type)**
Spanner wrench (1), Safety instructions (1)
5″ Disc pad (1), Bar wrench (1)

## SI-3121/SI-3121-6 (Central Vacuum Type)




**rpm : 10,000rpm**

**Accessories : Spanner wrench (1), Safety instructions (1)**
25ϕ Dust hose (1), 5″ Disc pad or 6″ Disc pad (1)
Velcro face cover for net paper (SI-3121-6)

## SI-3101, SI-3101-6 / SI-3111, SI-3111-6 / SI-3103A, SI-3103-6A / SI-3113A, SI-3113-6A / SI-3103B / SI-3121, SI-3121-6

| Model Number | Pad/Disc Size mm/(in.) | Spindle Size Female | Orbit Dia mm | Free Speed rpm | Out Put Watt | Weight kg/(lb) | Noise Level dBA/(power) | Vibration a/k $m/s^2$ | Avg.Air Consumption CFM | Air Inlet Size in. | Hose Size mm/(in.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SI-3101** | 125/(5") | 5/16-24UNF | 5 | 10,000 | 148 | 0.92/ (2.03) | 84/ (95) | 14.4 / 1.9 | 2.2 | 1/4 | 10/(3/8) |
| **SI-3101-6** | 150/(6") | 5/16-24UNF | 5 | 10,000 | 148 | 0.94/ (2.07) | 84/ (95) | 10.4 / 2.3 | 2.2 | 1/4 | 10/(3/8) |
| **SI-3111** | 125/(5") | 5/16-24UNF | 5 | 10,000 | 148 | 1.27/ (2.81) | 88/ (99) | 10.2 / 1.5 | 2.3 | 1/4 | 10/(3/8) |
| **SI-3111-6** | 150/(6") | 5/16-24UNF | 5 | 10,000 | 148 | 1.29/ (2.84) | 88/ (99) | 11.7 / 1.6 | 2.3 | 1/4 | 10/(3/8) |
| **SI-3103A** | 125/(5") | 5/16-24UNF | 5 | 9,000 | 134 | 1.18/ (2.60) | 80/ (91) | 10.6 / 1.5 | 2.8 | 1/4 | 10/(3/8) |
| **SI-3103-6A** | 150/(6") | 5/16-24UNF | 5 | 9,000 | 134 | 1.20/ (2.64) | 80/ (91) | 11.5 / 1.6 | 2.8 | 1/4 | 10/(3/8) |
| **SI-3113A** | 125/(5") | 5/16-24UNF | 5 | 9,000 | 134 | 1.57/ (3.46) | 83/ (94) | 13.6 / 1.8 | 2.4 | 1/4 | 10/(3/8) |
| **SI-3113-6A** | 150/(6") | 5/16-24UNF | 5 | 9,000 | 134 | 1.59/ (3.50) | 83/ (94) | 13.2 / 2.9 | 2.4 | 1/4 | 10/(3/8) |
| **SI-3103B** | 125/(5") | 5/16-24UNF | 5 | 9,000 | 134 | 1.18/ (2.60) | 87/ (98) | 15.6 / 2.0 | 2.8 | 1/4 | 10/(3/8) |
| **SI-3121** | 125/(5") | 5/16-24UNF | 5 | 10,000 | 148 | 1.29/ (2.83) | 81/ (92) | 12.8 / 1.7 | 2.3 | 1/4 | 10/(3/8) |
| **SI-3121-6** | 150/(6") | 5/16-24UNF | 5 | 10,000 | 148 | 1.31/ (2.88) | 81/ (92) | 13.4 / 1.8 | 2.3 | 1/4 | 10/(3/8) |

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927:3

## ⚠ WARNING

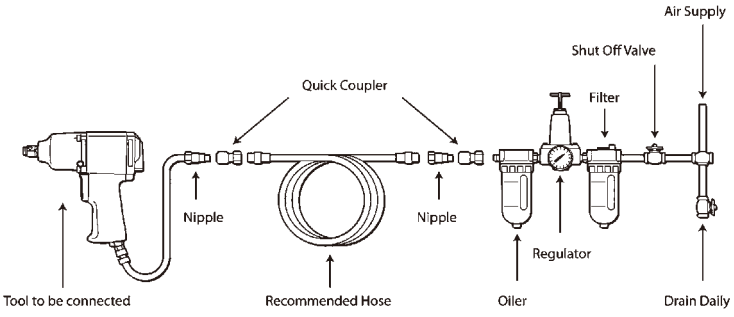
- For replacement of pad and paper, be sure to dismount the air hose.
- Be sure to mount the pad firmly and completely.
- Never use the grinding stone for this tool.
- Be sure to remove the service wrench used for replacement of pad.
- Vibration will be felt. Avoid continuous operation if possible. Do operations at the rest interval of approx. 10 minutes per an hour.

## ⚠ CAUTION

- If operations proceed using the whole edge or the part of the pad, the pad will be damaged, which loses tool balance, and prevents exact grinding. Be careful not to do such wrong operations.
- Careless drop of the tool will result in damage of the tool or components. Therefore, be sure to politely handle the tool.
- Operate the tool within the air pressure of 0.63MPa (6.5kg/$cm^2$). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.
- Before or after daily use, lubricate a few drops of air tool oil from the hose attached port.
- The compressed air containing dust or/and moisture will result in damage of tool. Be sure to operate the tool with air through the drainage and air filter.
- If revolution failure or/and irregular noise occurred, do not continue operation furthermore. Forced operation of tool may result in serious troubles.
- Regarding to this product, if inconvenient claims or troubles occurred, contact the product distributor.

## AIR SUPPLY

| | |
|---|---|
| Pressure at the working | **0.63MPa (90PSI 6.3bar)** |
| Max Hose Length | **10m (30ft)** |
| Lubrication | **Daily Lubricating oil** |




PNEUMATIC TOOLS
**SHINANO INC.**
MADE IN JAPAN
***https://shinanoinc.com***



22
PAP