

INSTRUCTION MANUAL FOR AIR DRILLS

Safety Precautions

To ensure safe operation of this pneumatic tool, always adhere to the following safety standards:

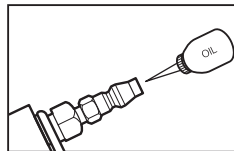
- **Work Area and Apparel**
Always wear approved safety goggles, a dust mask, ear protectors (hearing protection), and safety shoes during operation.
Do not wear loose-fitting clothing, ties, necklaces, or unconfined long hair, as they can be caught in the rotating parts.
Never operate this tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or high dust levels.
Sparks generated during drilling can ignite dust or fumes.
- **Air Supply & Pressure Management** Do not exceed the maximum operating air pressure of 0.63 MPa (90 PSI).
Excessive air pressure can cause tool bursting or abnormal high-speed rotation, resulting in severe danger. Ensure the air supply line is equipped with an air filter to remove moisture/debris and a lubricator for continuous tool oiling.

Air Supply & Connection

Dry & Clean Air: Ensure the air compressor delivers clean, dry air. Moisture and dust in the air line will cause rust and damage the internal motor components.
Hose Connection: Clean the air hose and fittings before connecting them to the tool.
FRL Unit: The use of an air filter-regulator-lubricator (FRL) unit is highly recommended to maintain tool longevity and performance.

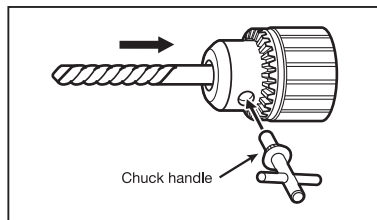
Daily Lubrication

If an automatic line lubricator is not used, inject 1 to 2 drops of high-grade pneumatic tool oil (ISO VG32 turbine oil) directly into the air inlet before and after each use.
Run the tool at free speed for a few seconds to distribute the oil evenly inside the motor.



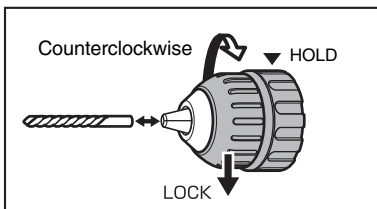
Operating Instructions

CAUTION: Always disconnect the air hose from the tool before installing, removing, or adjusting the drill bits. **Installing Drill Bits:** Open the chuck using the provided chuck key. Insert the drill bit straight into the chuck as far as it will go.



Insert the chuck key into each of the three holes on the chuck sequentially, tightening them evenly to secure the bit.

For Keyless chuck: Insert the drill bit into the keyless chuck, hold the lower ring firmly by hand, turn the upper section counterclockwise, and finally lock it to secure it tightly.



Remove Chuck Key: Always ensure that the chuck key has been removed from the chuck before starting operation.

Tool Handling & Start:

For SI-5100A and SI-5300A Hold the tool securely with both hands.

For SI-5200A :Always install the included side handle before operation.

Hold the tool securely with both hands using the side handle and the pistol grip to maintain full control.

Keep the tool away from the workpiece, and depress the throttle trigger to start.

Let the tool reach full operating speed before contacting the work surface.

Drilling Operation: Do not apply excessive downward pressure; let the weight of the tool and the sharpness of the drill bit do the work.

Be prepared for reaction torque (kickback) when breaking through the material or if the bit binds.

Stopping Operation: Release the trigger and wait until the tool stops rotating completely before putting the tool down.

Maintenance & Storage

Post-Use Cleaning: Remove the drill bit after use.

Clean the tool body and air inlet area with a dry cloth or clean compressed air to remove accumulated chips and dust.

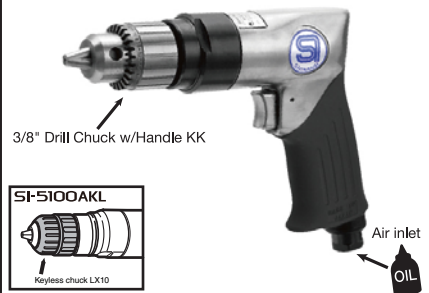
Moisture Drainage: Drain the compressor tank and air line water traps daily. Moisture entering the tool internals causes rust and premature motor failure.

Storage: Store the tool in a dry, safe environment. If the tool is to be stored for an extended period, apply a generous amount of air oil into the inlet, run it for 2-3 seconds to coat internal components, and wrap it securely.

SI-5100A/SI-5200A/SI-5300A Specifications

Model Number	Free Speed rpm	Chuck Size mm/(in.)	Spindle Size	Drilling Cap mm/(in.)	Out Put Watt	Weight kg/(lb)	Noise Level dBA/(power)	Vibration a/k m/s ²	Avg. Air Consumption CFM	Hose Size mm/(in.)
SI-5100A(KL)	5,000	10 / (3/8")	3/8-24UNC	6 / (1/4")	390	0.90 / (1.99)	84 / (95)	3.4 / (0.8)	3.3 / (1.6)	10 / (3/8")
SI-5200A(KL)	600	13 / (1/2")	3/8-24UNC	13 / (1/2")	390	1.42 / (3.12)	82 / (93)	3.0 / (1.0)	3.5 / (1.6)	10 / (3/8")
SI-5300A(KL)	2,000	10 / (3/8")	3/8-24UNC	10 / (3/8")	378	0.91 / (2.01)	84 / (95)	2.0 / (0.7)	3.6 / (1.7)	10 / (3/8")

SI-5100A



Accessories : 3/8" Drill chuck (1), Chuck Handle (1), Safety instructions (1)

SI-5200A



Accessories : 3/8" Drill chuck (1), Chuck Handle (1), Side Handle (1), Safety instructions (1)

SI-5300A



Accessories : 3/8" Drill chuck (1), Chuck Handle (1), Safety instructions (1)

WARNING

- Neither use the damaged driver bit nor the different size product.
- When a hard material or a long screw is fastened, hold the tool firmly with both hands, because, a high reaction torque burdens over the hands and wrists during impacting.
- Be sure to use the driver bit and the other parts, which we can recommend.

CAUTION

- Avoid using it for the other purpose than the usage, and do the forcible operation beyond the capability.
Air Regulator Settings: This tool features a built-in air regulator.
Turn the dial to "1" for minimum power (weakest), or to the highest number ("4" or "8") for maximum power (strongest) depending on the screw size and material hardness.
- Unnecessary idle operation will encourage to wear and result in failure. Avoid such operation.
- The air tool is a precious tool. Neither throw nor drop the tool, nor give a strong shock thereto.
- After operations, be sure to prevent dusts from entering at the air inlet.
- Operate the tool within the air pressure of 0.63Mpa (6.5kg/cm²). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.