SI-2033

PNEUMATIC TOOLS SHINANO INC.

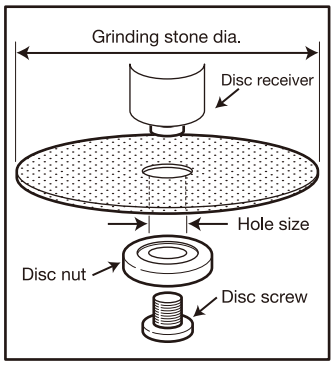
INSTRUCTION MANUAL FOR CUT OFF GRINDER

Operation Procedures

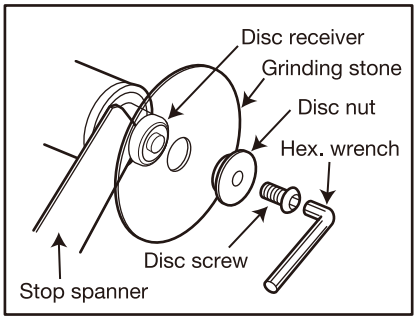
1.Connect the attached coupler to the air inlet ❶ on the rear side of tool.

2.Make sure the disc cover ❷ is firmly mounted in place. Make sure the diameters of the grinding stone and the hole are suit each tool.

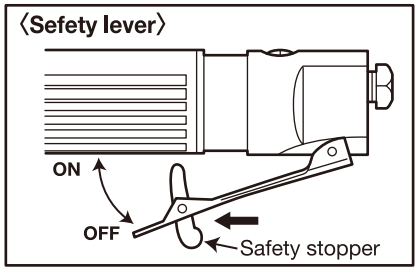
3.Pour approx. 0.5cc (2 to 3 drops) of the oil through the coupler. Connect it to the air hose, and run for 3 to 5 seconds to circulate the oil.



4. The cut off disc so as prevent the spindle axis from revolving. Fasten the disc nut through the grinding stone Tighten the grinding stone by turning conterclockwise the nut with Hex. wrench.



5.The start switch is a safety lever ❸ with safety stopper. The safety lever will be locked automatically. Press the safety stopper to release the lock.



The safety lever will be locked automatically.
Press the safety stopper to release the lock.

SI-2033 Max. rpm: 20,000rpm
Grinding stone size :
75ϕmm x hole 9.5ϕmm

Option:Disc nut for 15mm hole

Accessories : Spanner (2), Safety instructions (1)

SPECIFICATIONS

SI-2033	Free Speed rpm	20,000
	Disc Size mm/(in.)	75/(3")
	Spindle Size	Φ9.5/(3/8")
	Out Put Watt	347
	Weight kg/(lb)	1.00/(2.21)
	Noise Level dBA/(power)	89 / (100)
	Vibration a/k m/s^2	7.5 / 2.4
	Avg.Air Consumption CFM	4.0 / (1.9)
	Hose Size mm/(in.)	10 / (3/8)

Noise levels according to ISO 15744:2008,ISO 11203:2009
Vibration level according to ISO 28927:12

⚠ WARNING

1. Wheel Specifications & Inspection

Maximum Operating Speed (RPM):
Always use a grinding wheel with a speed rating equal to or greater than the maximum speed (RPM) marked on the tool.
Using a wheel rated below the tool's RPM may cause the wheel to burst and result in severe injury.

Inspection for Damage:
Inspect the wheel for cracks, chips, or deformation before use.
Never use a damaged wheel, as it may shatter during operation.

2. Guard & Machine Safety

Wheel Guard Requirement:
Never operate the tool without the wheel guard properly installed.
Position the guard between yourself and the wheel to protect against potential wheel breakage and flying debris.

No Side Grinding:
Do not perform grinding operations (such as deburring or chamfering) with the side of a cut-off wheel. Side loading can break the wheel instantly.

3. Workplace & Air Supply Hazards

Fire and Explosion Hazards:
Remove all flammable materials and hazardous liquids from the work area before starting.
Cutting sparks can ignite surrounding materials.

Maximum Air Pressure Control:
Do not exceed the maximum specified air pressure (e.g., 0.62 MPa / 90 PSI).
Excess air pressure causes dangerous overspeed, which can burst the wheel.

⚠ CAUTION

1. Personal Protective Equipment (PPE)

Eye and Face Protection:
Always wear ANSI or CE-compliant safety glasses or a full-face shield to protect against dust and minor spark exposure.

Personal Protective Gear:
Wear suitable earplugs, dust masks, heavy-duty gloves, and safety shoes during operation to prevent minor burns, cuts, or noise exposure.

2. Tool Handling & Operation
Correct Wheel Sizing:
Use only cut-off wheels of the specified outer diameter, thickness, and arbor hole size to ensure proper fit and balance.

Kickback and Binding Prevention:
Securely clamp the workpiece to prevent the wheel from binding or pinching during cutting. Never change the angle of the cut abruptly while the wheel is inside the workpiece.

Maintenance Safety:
Always disconnect the air supply line (or close the inline valve) before changing wheels, making adjustments, or performing maintenance.

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⚠ WARNING

- Never use the edge of grinding stone.
- Never use without the disc cover.
- Never install the grinding stone where failure such as breakage, abnormal abrasion, crack, and chip has been found.
- Confirm operations within the maximum circumferential speed and rpm, as indicated on the grinding stone.
- Before use, make sure the grinding stone is firmly installed to the tool in place and no misalignment.

⚠ CAUTION

- 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.

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SHINANO INC.
MADE IN JAPAN
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