GAZELLE®

GC2075

Rebar Tying Machine
User Manual

WARNING

This tool poses certain risks during use. Please carefully read the instruction manual before operating it to avoid hazards!

TABLE OF CONTENTS

I. SAFETY REGULATIOONS AND PRECAUTIONS

SYMBOLS

The symbols shown below may be used on this equipment. Their meanings must be fully understood before operating the device.

Read the instruction manual

Do not expose this tool to rain

Wear safety glasses

When operating the tool, please keep your hands away from the wire spool or wire

Please keep both hands away from the machine head during operation.

NEVER discard electrical equipment or batteries with hiusehold waste!

You MUST comply with regulatuions / directives on waste and electronic equipment, batteries, and accumulators.

End-of-life electrical devices and battery packs must be segregated and recycled at environmentally certified facilities.

II. IMPORTANT SAFETY PRECAUTIONS

INTENDED USE

This tool is designed for tying rebar.

GENERAL SAFETY WARNING FOR POWER TOOLS

⚠ WARNING

Read all warnings and instructions. Failure to follow these warnings and instructions may result in electric shock, fire hazard, or serious injury.

RETAIN ALL WARNINGS AND INSTRUCTION MANUALS FOR FUTURE REFERENCE

WORKPLACE SAFETY

1. Maintain a clean and well-lit work area. Clutter and darkness invite accidents.
2. Do not operate power tools in explosive atmospheres where flammable liquids, gases, or dusts are present.
3. Keep children and bystanders away during operation. Distractions may cause loss of tool control.

ELECTRICAL SAFETY

1. Ensure tool batteries are compatible with the equipment. Never modify batteries in any manner.
2. Never expose power tools to rain or damp conditions. Water ingress increases electric shock risk.

PERSONAL SAFETY

1. Stay alert and focused when operating tools. Never use when fatigued, or under medication/drug influence. Momentary inattention causes severe injury.
2. Always wear personal protective equipment (PPE): Safety goggles are mandatory. Supplement with dust masks, anti-slip shoes, helmets, or hearing protection as needed.
3. Prevent accidental starting: Verify switches are «OFF» before battery insertion or handling.
4. Remove adjusting tools prior to power activation. Wrenches left on rotating parts cause injury.
5. Maintain proper footing and body balance. Avoid overreaching to ensure tool control in emergencies.
6. Wear fitted clothing: Loose garments, jewelry, or long hair may be caught in moving parts.

POWER TOOL OPERATION

1. Use tools only for intended functions. Correct tool selection ensures efficiency and safety.

2. Never use tools with malfunctioning switches. Equipment requiring manual power disconnection must be repaired.
3. Disconnect battery before servicing - Always remove power source during adjustments, accessory changes, or storage to prevent accidental activation.
4. Secure tool storage - Store idle tools beyond children›s reach. Prohibit operation by untrained personnel.
5. Maintain tool integrity - Inspect for misalignment, binding, or part damage. Damaged tools must be repaired before use. Poor maintenance causes workshop accidents.
6. Apply tools per specifications - Use only for intended applications under recommended conditions. Misapplication voids warranties and increases hazard risk.

BATTERY SAFETY PROTOCOLS

1. Use only manufacturer - specified chargers. Charger incompatibility may cause thermal runaway and fire hazards.
2. Battery authentication

   Operate tools exclusively with designated battery packs. Substitution risks explosion and equipment damage.
3. Storage requirements

   Isolate idle batteries from conductive objects (e.g. coins/keys/nails). Terminal contact may trigger short-circuit combustion.
4. Electrolyte exposure response

   Scenario 1 (Skin contact): Flush affected area with running water ≥15 minutes.

   Scenario 2 (Eye exposure): Seek immediate ophthalmological treatment.

Note: Leaked electrolyte induces chemical burns or corrosion.

MAINTENANCE REGULATIONS

1. Authorized repair protocol.
   - Only certified technicians may service tools using genuine replacement parts to ensure operational safety integrity.
2. Lubrication compliance
   - Apply lubricants and replace accessories strictly per manual specifications to prevent mechanical failure.
3. Grip maintenance
   - Maintain handles oil-free, clean, and dry to ensure slip resistance.

REBAR TYING MACHINE SAFETY PROTOCOLS

1. Directional control
   - Never point tool toward personnel or body parts. Maintain ≥15cm clearance from tie-head during operation.
2. Wire loading procedure
   - Insert tie-wire ONLY when power is disconnected to prevent entanglement injuries.

3. Cover interlock
   • Operation with open wire reel cover is prohibited - may cause projectile ejection.
4. Material specification
   • Verify rebar diameter ≤ tool capacity limit.
5. Personal Protective Equipment Requirements
   • Wear tight-fitting clothing with secured sleeves.
   • Prohibit wearing towels/scarves around neck during operation.
   • Non-compliance may cause entanglement by rotating parts, potentially leading to injuries.
6. Pre-operation checklist
   • Structural integrity: No casing damage/deformation.
   • Fastener security: All bolts at specified torque.
   • Safety devices: Interlock systems functional.
7. Immediately stop using the tool if any abnormality is detected. Do not attempt to repair the tool yourself. Have it serviced at an authorized repair center. Operating the tool in an incomplete state may cause accidents.
8. When installing the battery, always lock the trigger and keep fingers away from it. Improper operation may lead to accidents.
9. When tying rebar, ensure the rebar remains stationary. Movement during tying may cause injury.
10. Do not touch the tying wire during operation. Contact with the wire may entangle and injure you.
11. Keep hands away from the tying area during operation. Otherwise, you may become entangled and injured by the tying wire.
12. Always grip the tool handle firmly while tying. Failure to do so may strain your wrist or pull your body forward, resulting in injury.
13. Do not move to the next tying position until the current binding cycle is complete. Premature movement may cause injury.
14. Always monitor the ends of the tying wire during operation. Neglecting this may trap your hands and cause injury.
15. After completing a tying operation, lift the tool vertically upward. Failure to do so may cause the clamp arm to snag on the rebar, leading to accidents.
16. Avoid dropping, impacting, or subjecting the tool to shocks. After any severe impact, verify that the tool is undamaged, uncracked, and all safety features function properly before reuse. Otherwise, accidents may occur.
17. If any of the following occur, lock the trigger, power off the tool, and remove the battery to prevent accidents:
    • The tool overheats, emits unusual odors, or produces abnormal noises.
    • An error message is displayed (Have the tool serviced at an authorized repair center).
    • When loading or unloading wire coils.
    • When the tool is not in use.
    • During tool inspection or adjustment.
    • When removing entangled tying wire from the tool head

18. Always stabilize the tool and maintain a balanced posture when working on scaffolding. Unstable scaffolding may cause accidents.
19. When working on roofs or similar elevated surfaces, move forward while maintaining clear visibility Moving backward may cause falls and serious injury.
20. When working at heights, ensure no one is below and prevent tools from falling. Dropped tools may cause accidents.
21. Use this tool only for tying purposes. Misuse may result in accidents.
22. Always use genuine tying wire specified for this tool. Unused wire may rust over time; do not use rusted wire. Substandard wire may cause accidents.
23. After tying, check for wire breakage due to excessive twisting tension. Broken wire will fail to secure rebar. Adjust tying tension and rebind if necessary.
24. Press the clamp arm firmly against the rebar. Inadequate contact may create gaps between rebar, weakening tying strength.

III. CRITICAL BATTERY SAFETY PRECAUTIONS

1. Before using the battery, thoroughly read all instructions and warning labels on (1) the battery charger, (2) the battery, and (3) the product powered by the battery.
2. Never disassemble the battery.
3. If the tool›s runtime significantly shortens, cease use immediately to prevent overheating, fire, or explosion.
4. If electrolyte contacts your eyes, rinse thoroughly with clean water and seek immediate medical attention to avoid vision damage.
5. Prevent battery short-circuiting:
   - Avoid touching terminals with conductive materials.
   - Do not store batteries with metal objects (nails, coins, etc.).
   - Keep batteries dry; exposure to water or rain may cause overheating, fire, or rupture.
6. Do not store or operate tools/batteries in environments ≥50°C (122°F).
7. Never incinerate batteries, even if damaged or depleted, as they may explode.
8. Handle batteries carefully - avoid impacts or drops.
9. Do not use damaged batteries.
10. For commercial transport, comply with hazardous materials regulations (e.g., secure packaging, visible contact info). Seek professional guidance for compliance.
11. When discarding, remove batteries from tools and dispose of them safely per local regulations.
12. Use batteries only with designated products. Incompatible devices may cause fire, explosion, or electrolyte leaks.
13. Remove batteries from tools during prolonged inactivity.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

CAUTION

Only use original batteries. Using non-original or modified batteries may cause explosions, resulting in fire, personal injury, or property damage.

HERE ARE TIPS FOR MAXIMIZING BATTERY SERVICE LIFE:

1. Charge promptly before the battery is fully depleted. When low battery is detected, stop tool operation and recharge the battery immediately.
2. Do not recharge an already fully charged battery. Overcharging will shorten battery service life.
3. Operate batteries within -15°C to 40°C ambient temperatures. Charge hot batteries only after cooling down to 0°C-40°C.
4. Recharge batteries if unused for extended periods (over six months).

FUNCTIONAL DESCRIPTION

CAUTION

Always turn off the power and remove the battery before adjusting or inspecting tool functions.

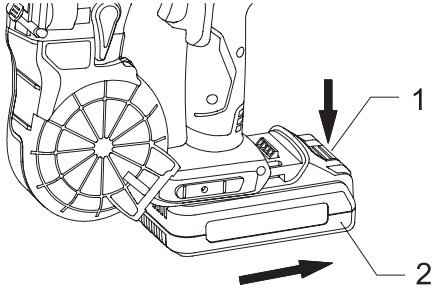
INSTALL OR REMOVE THE BATTERY

CAUTION

Always turn off the tool›s power before installing or removing the battery.

CAUTION

Hold both the tool and battery firmly during installation/removal. Otherwise, they may slip from your hands, causing damage to the equipment or even personal injury.



1 Button
2 Battery

Press and hold the button on the rear of the battery, then slide the battery out of the tool housing in a continuous motion.

When installing the battery, align the tab on the battery with the groove on the cover, then slide it into place. Push it fully into position until the battery locks and makes a clicking sound.

(Note: Before installing the battery, ensure that the main switch is turned off and the trigger lock is engaged).

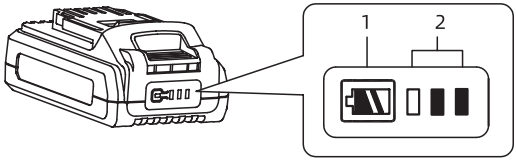
⚠ CAUTION

Be sure to fully seat the battery. Otherwise, it may fall out of the tool unexpectedly, resulting in injury to yourself or others.

⚠ CAUTION

Do not force the battery. If the battery is difficult to insert, improper insertion technique may be the cause.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.



1 Button
2 LED

Press the button on the battery to display remaining charge. The indicator light will illuminate for several seconds.

Battery Indicator Status ■:ON □:OFF	Remaining Battey Capacity
■■■	60% - 100%
□■■	20% - 60%
□□■	0% - 20%
□□■ □■■ ■■■	Battery is Charging

Note: The indicated battery status may vary slightly from actual conditions depending on usage environment and temperature

TOOL/BATTERY PROTECTION SYSTEM

This tool is equipped with a tool/battery protection system. The system automatically cuts off motor power to extend the lifespan of both the tool and battery. During operation, if the tool or battery encounters any of the following conditions, it will automatically shut down.

OVERLOAD PROTECTION

When the tool is operated in a manner causing abnormally high current,it stops automatically.
The display screen shows:
Fault code "E34" for wire-feeding motor overload.
Fault code "E43" for twisting motor overload.

Resolution:

- Turn off the tool immediately.
- Stop operations causing overload.
- Investigate and resolve the fault.
- Restart the tool afterward

OVERHEAT PROTECTION

When the tool overheats, it will automatically stop operating, and a corresponding fault code will be displayed on the display screen.
Fault code «E31» for feeding motor overheat.
Fault code «E41» for twisting motor overheat.

OVER-DISCHARGE PROTECTION

When the battery is insufficiently charged, the tool stops automatically.
Displays screen fault code "E11".
Resolution:
Remove the battery from the tool.
Recharge the battery fully before reuse.

IV. MACHINE OPERATION AND USAGE METHOD

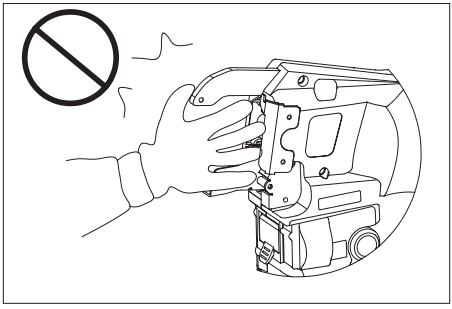
MAIN SWITCH

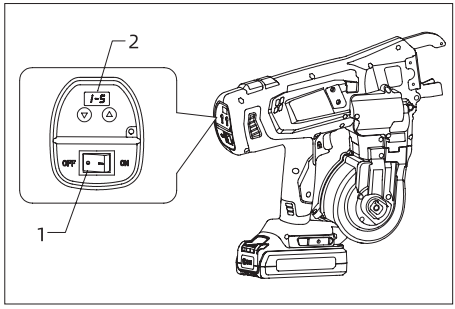
⚠ CAUTION

NEVER position limbs or face near or contact the tying and rotating parts of the mechanical mouth when turning on the power.
Otherwise,serious injury may result.

⚠ CAUTION

Ensure fingers are clear of the trigger and engage the trigger lock before inserting the battery.
If the battery is inserted while the trigger is depressed, accidental strapping operation may occur, leading to hazardous incidents.





Power on, and the power indicator light illuminates.
The machine automatically completes a self-test.

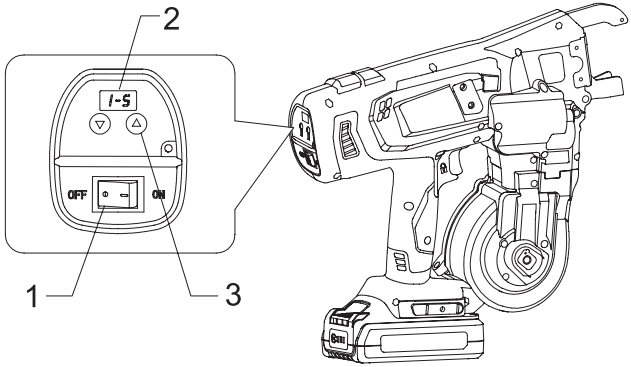
1 Main switch
2 Display screen

Note: Auto-Shutdown Function. If the trigger is not depressed for over 10 minutes, the tool automatically powers off to reduce battery consumption.

Note: Restart Requirement. Manual restart is required after shutdown.

ADJUSTMENT BUTTON OPERATION

The adjustment button regulates torque tension.
First digit: Displays the number of wraps.
Second digit: Displays torque level.
Press (△) to increase tension (tighter). Press (▽) to decrease tension (looser).
Torque levels range from 1 to 6.
Higher numbers indicate greater torque force.



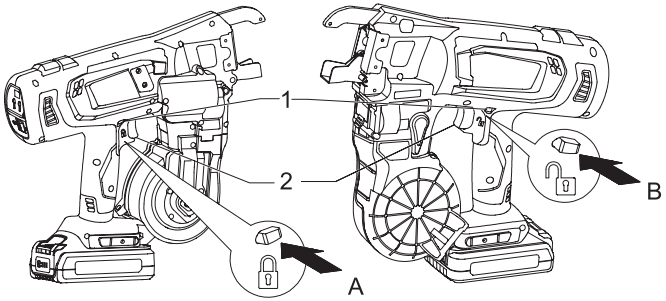
1 Main switch
2 Display screen
3 Adjustment Button

WARNING

Before inserting the battery into the tool, always ensure the trigger moves smoothly and without obstruction.

CAUTION

When the tool is not in use:
Press the trigger lock from the side to secure the trigger in the «OFF» position.



1 Trigger Lock
2 Trigger

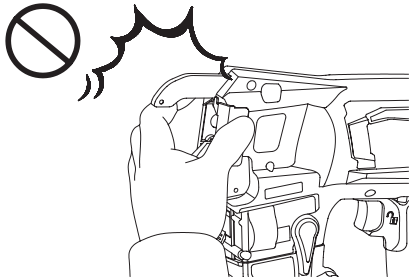
To prevent accidental triggering by users, this tool employs a trigger lock. To activate the tool, press the trigger lock from Side A and then pull the trigger. After use, press the trigger lock from Side B to lock the trigger.

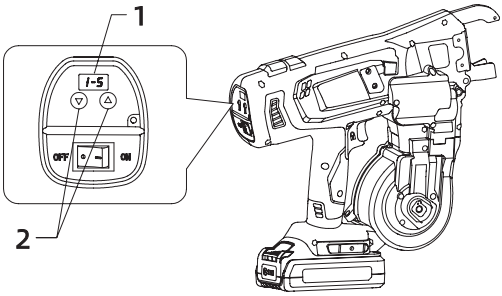
TORQUE TENSION SETTING

CAUTION

Before making adjustments, always lock the trigger. When turning on the power, keep limbs and face away from the tying rotation assembly of the mechanical mouth

Failure to do so could result in serious injury.





The torque tension can be adjusted via the adjustment button, torque level displayed on display screen.

If the tie breaks, the tying force will be lost. After tying, check the twister hook for any fractures.

If tie breaks, readjust the torque tension via the adjustment button and re-tie the rebar.

LOW BATTERY NOTIFICATION

When the battery level falls below the required threshold, the tool will automatically halt operation, emit a continuous error beep, and display code "E11" on the digital display screen. The alert persists until power is switched off.

ASSEMBLY

CAUTION

Before performing any assembly on the tool,
ALWAYS turn off the power and REMOVE the battery from the tool.

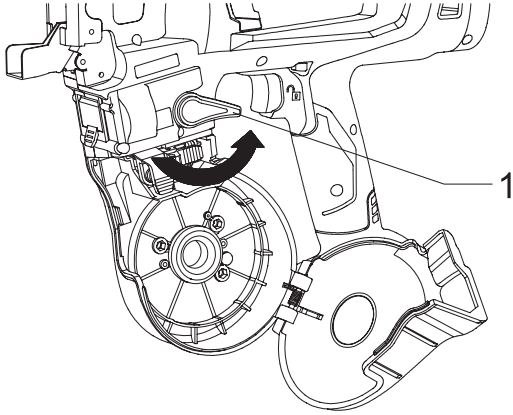
LOADING TYING WIRE (WIRE COIL)

⚠ CAUTION

When installing or removing wire coil or accessories,
ALWAYS power off the tool, LOCK the trigger, and REMOVE the battery pack. Failure to comply may result in serious injury.

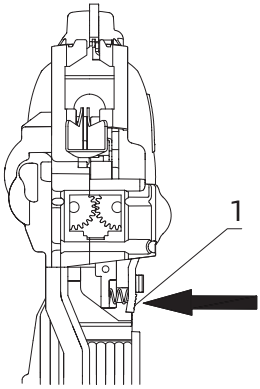
Note:Using non-genuine tying wire may cause tool malfunction.

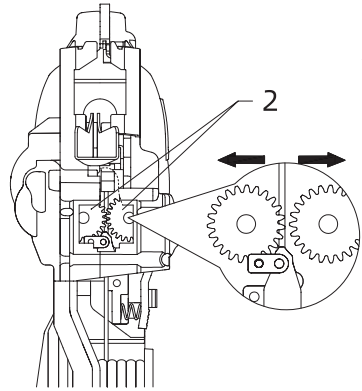
1. Rotate the locking handle to open the wire reel cover.



1 Locking Handle

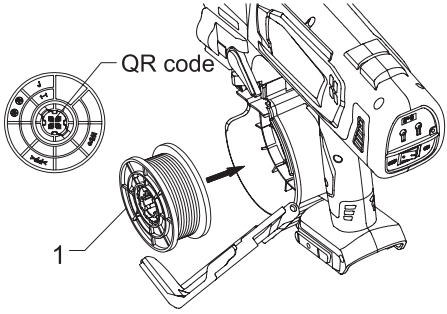
2. Press release lever to separate the left/right feeding gears and create clearance





1 Release Lever
2 Feeding Gears

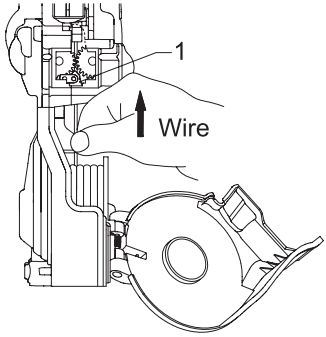
3. Install the wire coil into the tool in the direction shown in the diagram, with the QR code side facing inward into the wire reel magazine.



1 Wire Coil

Note: Install the wire reel strictly in the direction shown in the diagram. Otherwise, the tying wire will unravel and may kink.

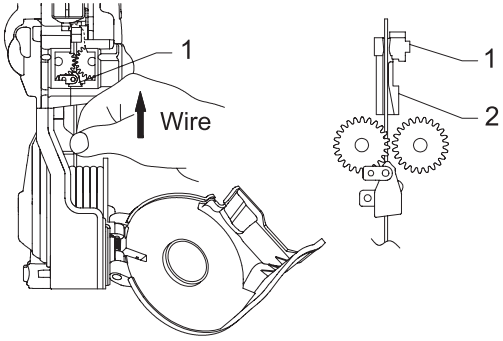
4. Extract the wire end and thread the tying wire through the wire guide C.



1 Wire Guide C

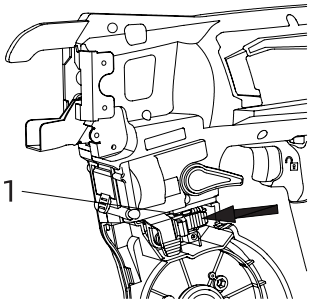
Note: If the wire end bends while passing through the wire guide C, the tying wire may jam within the tool. Note: Attempting to force the wire through the wire guide C may cause permanent crimping or drive mechanism failure.

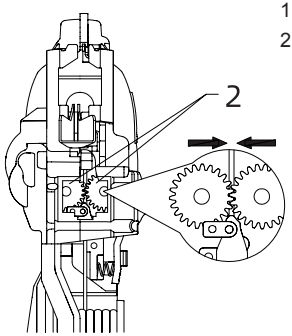
5. After threading the tying wire through the wire guide C, it must pass through the center groove between the left and right feeding gears, extend into the guide tip, and advance through the rotary cutter assy until the wire protrudes visibly.



1 Rotary Cutter Assy
2 Wire Guide B

6. Press the locking lever to release the release lever, enabling the left and right feeding gears to positively grip the tying wire.

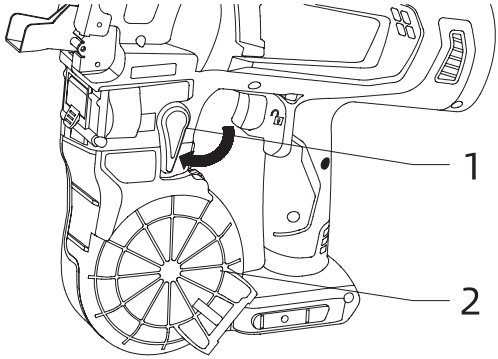




1 Locking Lever
2 Feeding Gears

Note: When the release lever is released and the left/right feeding gears interlock, their matching grooves form a defined channel. This channel constitutes the precise pathway for the tying wire. Verify wire passage through this path.

7. Close the wire reel cover and rotate the locking handle to lock it.



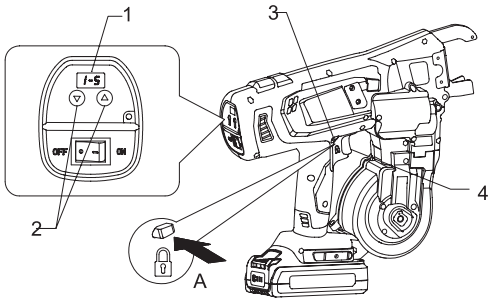
1 Locking Handle
2 Wire Reel Cover

PRE-OPERATIONAL PREPARATIONS

1. Ensure the power switch is turned off and the trigger lock is lock.
2. Insert the battery into the tool, then turn on the power. Upon power activation, the tool will automatically perform a self-check.

Note: When power on, verify the power indicator is light on. If no light, charge the battery immediately.

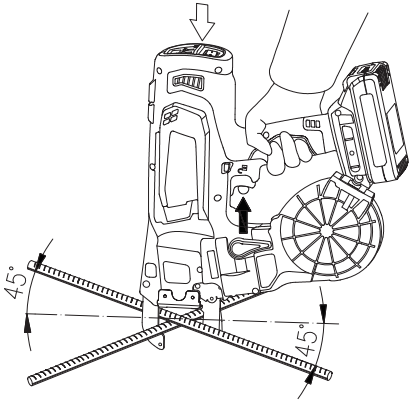
3. Unlock the trigger lock

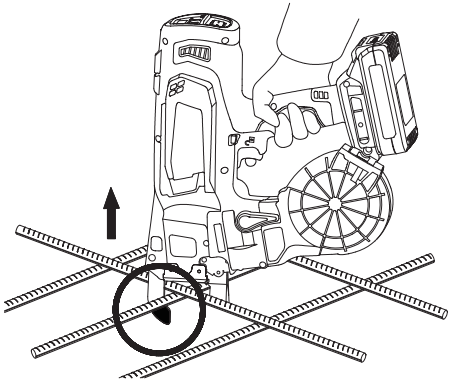


1 Display Screen
2 Adjustment Button
3 Trigger Lock
4 Trigger

TYING

1. Unlock the trigger lock, keep the mechanical arm on the rebars with a 45° angle at a vertical position to the bars.
2. Press the trigger.
3. The tool tie automatically.
4. Remove the tool when the tying is completed.

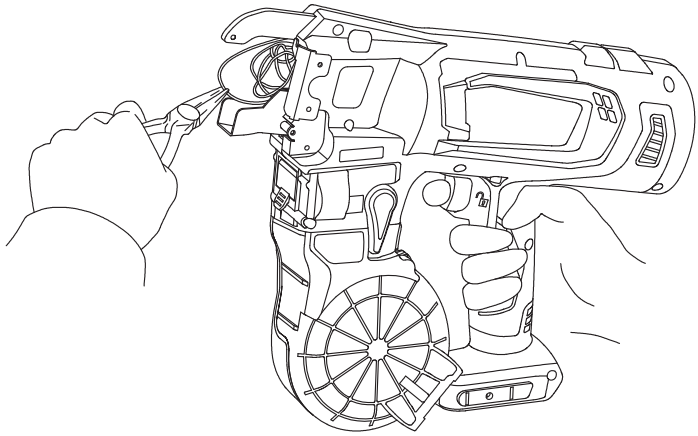




⚠ CAUTION

If the tying wire is tangled around the twisting part of the tool head, please turn off the power.

Note: should this happen, close all the switches, set the trigger lock to OFF position, take out battery and remove the trap wire with a plier inside the mechanical mouth.

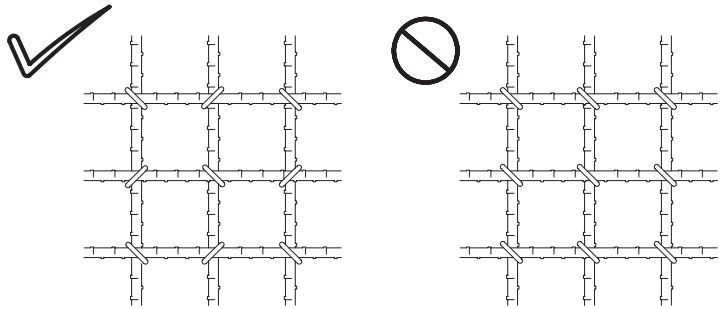


OPERATION WARNINGS

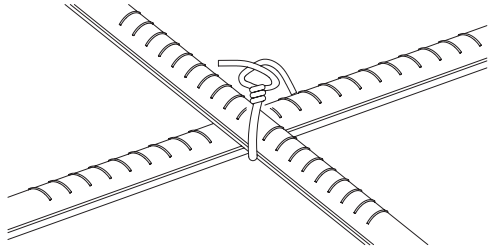
- Do not relocate the mechanical arm during tying - wire entanglement in the twister hook may cause malfunction and tying failure.
- Never withdraw the tool prematurely before tying completion.
- Proceed to the next tying position only after confirming current tying.
- Firmly grip the handle during wire twisting; maintain body stability to avoid torque-induced entanglement.
- Never touch the tying wire during operation.
- Trigger engagement with exhausted wire activates error code. Cease operation immediately, reload new wire coil, and re-strat tool.

TYING TECHNIQUE

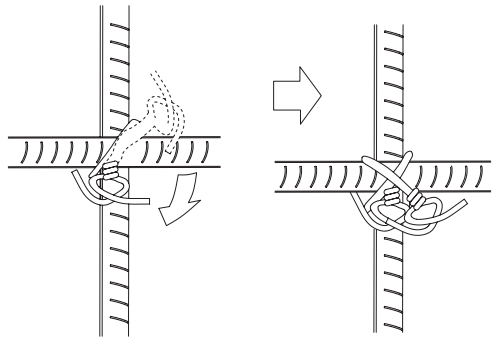
• Position the tool at a 45° angle to the rebar intersection, then execute cross-wise reciprocal tying according to the diagram.



• Avoid surface protrusions on rebars during tool operation.



• If initial tying tension is not enough, execute another tie from the opposed direction to achieve tying tension.



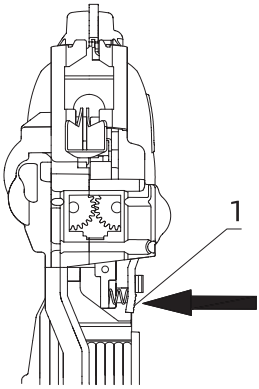
Note: Before execute another tie, bend the tail of the initial tie. Failure to do so may cause the second tie to become obstructed, may entangling in the mechanical mounth and damaging the twister hook.

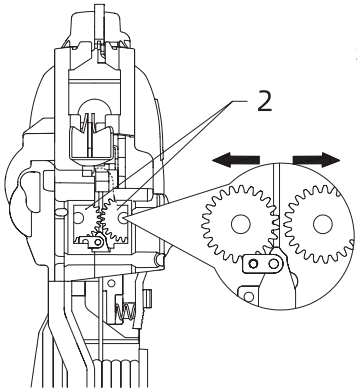
REPLACE WIRE COIL

⚠ CAUTION

Before replacing wire coil, Main switch must be OFF, trigger locked, and battery removed. Failure to comply may cause incidents.

1. When tying wire running out, the tool alarm and display "E34" error code on the display screen.
2. Lock trigger, power off, and remove battery.
3. Press release lever to separate the left/right feeding gears and create clearance.





1 Release Lever
2 Feeding Gears

4.Remove wire coil.

Note: Approximately 20cm of tying wire remains on the reel when normally exhausted. Replace with a new wire coil.

V. PRODUCT SPECIFICATIONS & TECHNICAL PARAMETER

1. MAIN TECHNICAL PARAMETERS

Dimension (mm)	320 x 97 x 285
	320 x 97 x 315
Total weight (kg)	2.3 / 2.7 (with battery)
Voltage (V)	18
Max. Tying Dia. (mm)	44

2. MAIN TECHNICAL PARAMETERS FOR TYING WIRE

Model	WG130	WS130	WB130	WP130
Material	Galvanized Wire	Stainless Steel Wire	Black Annealed Wire	PVC-Coated Wire
Diameter (mm)	Ø 1.3	Ø 1.3	Ø 1.3	Ø 1.3
Length (m)	37 ± 2			

3. THE CORRESPONDING REBAR SIZE FOR EACH TYING MACHINE

Traverse Stell Dia.	Longitudinal Stell Dia.											
	D6	D8	D10	D12	D14	D16	D18	D20	D22	D25	D28	D32
D6	○	○	○	○	○	○	○	○	○	○	○	○
D8	○	○	○	○	○	○	○	○	○	○	○	○
D10	○	○	○	○	○	○	○	○	○	○	○	○
D12	○	○	○	○	○	○	○	○	○	○	○	○
D14	○	○	○	○	○	○	○	○	○	○	○	×
D16	○	○	○	○	○	○	○	○	○	○	○	×
D18	○	○	○	○	○	○	○	○	○	○	×	×
D20	○	○	○	○	○	○	○	○	○	×	×	×
D22	○	○	○	○	○	○	○	○	○	×	×	×
D25	○	○	○	○	○	○	○	×	×	×	×	×
D28	○	○	○	○	○	○	×	×	×	×	×	×
D32	○	○	○	○	×	×	×	×	×	×	×	×

Traverse Stell Dia.	Longitudinal Stell Dia.							
	D6xD6	D8xD8	D10xD10	D12xD12	D14xD14	D16xD16	D18xD18	D20xD20
D6	○	○	○	○	○	○	○	○
D8	○	○	○	○	○	○	○	○
D10	○	○	○	○	○	○	○	○
D12	○	○	○	○	○	○	○	×
D14	○	○	○	○	○	○	○	×
D16	○	○	○	○	○	○	○	×
D18	○	○	○	○	○	○	×	×
D20	○	○	○	○	○	○	×	×
D22	○	○	○	○	○	×	×	×
D25	○	○	○	○	○	×	×	×

VI. COMMON FAULTS AND REMOVAL METHODS

This tool alerts you to the following conditions by means of a warning sound and warning lamp. If the problem is not solved, please contanct our maintenance or your dealer for support.

Normal Operation	Problem	Failure Code	Warning Sound	Cause	What to Check	Solution
Power On → the tool authomatically self-test	No operation take place	No Code	No sound	Battery completely empty	Confirm the battery is charged	Perform normal charge
		E11	One short beep	Battery voltage is too low	Confirm the battery is charged	Perform normal charge
		E12	One short beep	Battery voltage is too high	Check battery voltage	Reduce the battery voltage
Trigger On → Wire is sent out	No wire is sent out	E31	Three short repeated beep	Feeding motor overheat		Wait till feeding motor cool down
		E32	Three short repeated beep	Feeding motor overcurrrent	Check feeding motor wiring connections	Reinsert the motor wiring connections or replace the feeding motor
		E33	Three short repeated beep	Wire feeding time out	Check if tie wire has run out	Set a new wire coil
					Check if the wire inside reel has been caught	Remove the entangled wire
		E34		Feeding motor stalling	Check the wire feeding path for foreign substances	Remobe the foreign substances
					Check the wire for kinks	Cut the kinks
Wire twisting takes place	Failure twisting	E41	Four short repeated beep	Twisting motor overheat		Wait till twisting motor cool down
		E42		Twisting motor over current		Restart the tool or replace the twisting motor
		E43		Twisting time out		Restart the tool or replace the twisting motor
		E44	One long beep and two consecutive beep	Twisting motor stalling	Check if the twister hook is stuck	Clean the stuck or replace the twisting motor
		E45	Four short repeated beep	Bad connection of twisting motor connecting wire of twisting motor is broken	Check twisting motor connection wire, or twisting motor	Reinsert the motor wiring connections or replace the twisting motor
		E45		MOSFET oveheat		Wait til MOSFET cool down
		E51	Five short repeated beep	QR code error	Check video cable, check QR code clarity	Check camera, set a new wire coil
		E52		Excessive usage of wire coil	Check wire coil	Set a new wire coil
Read data	Failure read data	E69	Six short repeated beep	Memory error		Replace the main PWB unit

VII. MAINTENANCE & CARE PROTOCOL

1. Custodians must conduct daily inspections when issuing or retrieving tools. Users must perform daily inspections before operation.
2. Maintain power tools with utmost care. Regularly inspect for incorrect settings, tying of moving parts, switch damage, and any operational abnormalities. Defective tools must not be used until fully repaired.
3. Charge batteries exclusively with the charger designated by the manufacturer. Use of unapproved chargers or batteries may cause fire.
4. Improper use of the battery may cause liquid leakage (if this occurs, take the battery to a specified repair shop). Avoid contact with this liquid. If contact occurs, rinse immediately with water. If the liquid enters the eyes, seek medical help immediately. Leaked liquid may cause skin irritation or burns.
5. After using the tool, please maintain it properly. The plastic casing can be cleaned with a soft cloth lightly dampened with soapy water. Do not use solvents such as gasoline, alcohol, or paint thinner. Wiping with solvents will damage plastic components.
6. When not in use, tools should be placed back in the toolbox and stored in a dry, clean environment free of corrosive gases.
7. If the tool is damaged or malfunctions, please send it to an authorized service center for repair. Unauthorized repairs by non-professional personnel may cause functional or safety risks, and void your after-sales service entitlements.

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sales@gazelleindustrial.com | www.gazelleindustrial.com