



RRI-ESP90870-D

Manual

EN

www.rami-yokota.com



Technical specifications

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|--------------------|---|
| Brand | RedRoosterIndustrial |
| Bolt capacity (mm) | 6 |
| RPM | 770 |
| Torque (Nm) | 3 ~ 9 |
| Weight (kg) | 1,4 |
| Bitchuck | 1/4" HEX |
| L mm | 249,2 |
| Safety standard | 2014/30/EU, 2011/65/EU, 2015/863/EU II EN 62841-1 :2015/A11:2022, EN 62841-2-2:2014/AC:2015, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1 :2021, EN 61000-3-3:2013+A2 :2021, EN IEC 61000-6-1:2016, EN IEC 61000-6-3:2020 |
| Sales Group | 009 |
| EAN | 8717981469819 |

Before taking into use

Read and understand the contents of this manual before installing, operating, repairing, maintaining, changing accessories of this tool.

Only qualified and trained operators should install, adjust or use the tool.

Confirm voltage and power grounding status : Confirm the working voltage to avoid burning the tool.

This tool is equipped with a grounded conductor. Please plug the power cord into an outlet with a grounding device to prevent electric shock and eliminate ESD and signal interference.

Confirm the integrity of the tool and use it correctly : Before use, check whether the tool is damaged and whether the power cord is broken. When damaged, it should be inspected or replaced. Please do not use it improperly to ensure the function and safety of the tool. When plugging or unplugging the power cord from the socket, you must hold the plug and do not pull out the power cord directly.

Do not ignore safety precautions!

Safety

Do not modify this tool in any way, this can cause danger for the operator.

Make sure that this manual is accessible at all times for any relevant person, in case of loss of this manual ask your dealer for a new copy or refer to our website.

Risk of explosion or fire: Make sure that generated sparks and/or increased temperature of the work piece can not cause any explosion or ignite a fire.

Make sure that during operation of the tool no projectiles can be generated, this can be dangerous and may cause injuries.

Make sure that the work piece is securely fixed.

Make sure that the inserted tool or accessory is mounted correctly, if not it may cause high speed projectiles.

Make sure that no dangerous circumstances can occur for other persons in the work area.

Always wear safety glasses during operation of the tool. The grade of protection must be in relation to the risk of the operation.

Rotating mounted accessories can be easily entangled by rubber coated or metal reinforced gloves. Wear suitable gloves.

Keep fingers out of reach of the inserted tool or accessory.

The use of safety-/working gloves is recommended.

Reasonable countermeasures have to be taken to keep the noise level as low as possible.

Always check that the mounted tool or accessory is not damaged. Breakage and flying fragments can cause injuries.

Keep rotating parts out of reach of any body part.

In case of long hair, wear a hairnet otherwise it can be trapped causing injuries.

Never wear loose clothing, wear suitable clothing otherwise it can be trapped causing injuries.

Only use accessories for this tool that are designated for this tool by its manufacturer.

Convince yourself that no persons are in the working zone or danger zone.

The advised minimum age for operating this tool is 18 years.

Keep the work place clean and organized, you may stumble and fall over a hose on the floor. Slippery floors and objects on the floor are major causes of injuries.

This tool is not intended for use in potential explosive hazardous areas and is not insulated from coming into contact with electric power.

Wear the appropriate clothing to feel comfortable at the workplace.

Due to the process, the work piece, inserted/mounted tool/accessory may get hot causing burning injuries: Be aware of this.

Never let the tool run free in the air: the accessory may come loose and become a projectile causing danger or injury

Only use accessories that are in good condition, worn accessories can be dangerous and cause injuries.

Only trained and qualified operators should use the tool.

Never use a damaged tool.

Use only tight fitting gloves, loose gloves can be trapped or entangled causing injuries.

Use the specified gloves for the application that protects against: heat, cold, entanglement, cutting, impacting

Do not wear any shawls jewelry etc that can be trapped or entangled causing injuries.

In case of power loss, release the trigger immediate.

Take care that hands can't be crushed between the tool and work piece, especially when unscrewing.

Electrical Safety

This product is for the indoor exclusive use. Do not use it in rain, in a damp place and a wet place. Moreover, never use it in a place with the fear of the ignition and the explosion, because those are hazardous situations.

Do not move by holding the power cord. Do not pull the cord to remove the plug from the socket-outlet.

Avoid damage of cord due to stepping, entangling, or unreasonable force, a damaged cable must be replaced immediate.

Avoid pinching of power cord in the object to be tightened or surrounding facility in the tool operation and avoid the contact with rotating parts. The power cord may be damaged and it may result in accidents.

Keep away from sources generating large electromagnetic noise, such as welder, DC brush motor.

Be sure to use the provided power supply cord. Use of other power supply cord may cause malfunction, heat generation, or fire.

Be sure to fully insert the power plug. Failure to do so may result in electric shock or fire due to heat generation.

If you do not use the product, unplug from the receptacle.

Wipe out dust or stain accumulated on the power plug or receptacle with a dry cloth. Failure to do so may result in electric shock or fire.

Do not insert or remove the power plug from the receptacle with wet hand. Doing so may result in electric shock.

To prevent the screwdriver from being hit/damaged and the power cord from being pulled and broken, you can use auxiliary accessories (such as balancers, torque reaction arms and tool holders).

Accessories

Only use accessories and consumables that are designed for the use with this tool.

Select the best available inserted/mounted accessories/consumables for the lowest possible noise level and vibration. Replace them in case of an increased noise level and/or vibration.

Make sure that the inserted/mounted tool/accessory is properly held by the retainer and make sure that the retainer is in good condition. Never use the tool without a retainer as this may cause high speed projectiles.

Never cool down a hot tool/accessory as this may influence the hardness causing dangerous circumstances.

Use the inserted/mounted accessory/tool according to the manufacturer specifications.

Using the tool:

Before start using the tool, make sure that you are familiar with the workplace and surrounding area.

Always obey the safety regulations for the work area you are working in.

During operating the tool, the operator may be exposed to hazards as crushing, impacts, heat, vibration, cuts, abrasions, etc: Wear suitable gloves.

Any person handling the tool must be able to handle the size, weight and power of the tool.

Always be prepared for normal/abnormal movements/forces generated by the tool.

Keep your body in balance, place your feet safe and secure.

Take care of the reaction forces, if the tool (suddenly) stalls.

When using a power tool, you may experience discomfort in your hands, arms, shoulders, neck and other parts of your body.

If you experience symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness: Do not ignore these warning signs. Stop using the tool, tell your employer and consult a qualified health professional.

Check if the direction of rotation is in the required direction.

Adjust the torque according the requirements for the application, see below paragraph: Adjustments.

Place the tool with the accessory on the bolt/nut screw.

Pull the trigger to start the tool and release the trigger to stop the tool.

Push the lever to start the tool and release the lever to stop the tool.

Do not overtighten the bolt/nut/screw, a broken part can become a projectile causing danger or injury.

When loosening the bolt/nut/screw may become a projectile causing danger or injury.

Straight models: above 4 Nm the use of a support handle or support arm is recommended.

Pistol models: above 10 Nm the use of a support handle or support arm is recommended.

Operator should change posture regularly to avoid discomfort and fatigue.

Use hear protection according to employer, health and safety regulations.

Driving screw (Forward rotation) :

Confirm that the output torque has been adjusted to the target value. Set F/R switch to F.

Align the bit with the screw and press the trigger to start driving, or push the bit on the screw in case of push start tool.

When the screw is tightened to the torque setting value, the clutch will automatically disengage, causing the power to shut off and the screwdriver to stop running.

Do not change the F/R switch while the motor is running.

Removing screw (Reverse rotation) : Set F/R switch to R and press the trigger to start removing. If the tightness of screw is greater than the reversing torque, and the screw cannot be removed, please increase the torque setting.

Operation frequency : The recommended intermittent operation time is 1 sec on / 3 sec off, and the number of fastening screws is about 15 per minute. Excessive frequency of use will cause the motor to overheat and be damaged. Timely heat dissipation is required to ensure the tool life. It is best to use it no more than 8 hours a day. The internal parts of the tool will produce mechanical losses, so please adjust the output torque regularly.

Torque Adjustments

Torque Adjustment : Adjust the output torque by rotating the adjusting nut. (Please refer to torque adjustment instructions) Note : Please use the tool within the scale range. The number on the Torque Scale are for reference only. It is not an indication of actual torque output. The actual output torque must be obtained by repeated testing with a torque testing machine or a torque wrench.

Torque adjustment direction : Turn the torque adjustment nut clockwise inward to a higher scale value to increase the torque; turn it counterclockwise outward to a lower scale value to decrease the torque.

Progressive adjustment of torque : The principle of step-by-step makes adjusting torque more efficient. Test the shut-off first with a low torque, and then gradually increase it to a higher torque.

Differences joint hardness may influence the torque value: with the same tool setting, slightly different torque may be reached in the joint. In general the torque might be slightly higher on a hard joint and slightly lower on a soft joint.

Prevent setting values from being changed: In order to prevent the set torque value from being changed, the accessory - the torque cylinder seat sheath can be installed so that the torque adjustment nut cannot be rotated arbitrarily.

Check the tool regularly for loose bolts/screws or parts.

Measure the rpm of the tool regularly, in case of higher or lower rpm than indicated in the technical specifications: Stop using the tool immediate and have it repaired.

In case of power loss: Have the tool repaired.

Only trained and qualified engineers are allowed to adjust or repair the tool.

In case of disposal of the tool, follow local regulations, so as much as possible can be recycled. Do not throw it in the normal waste bin.

For screwdrivers, maintain the tool at least yearly or after 250.000 cycles.

Maintain the tool at least yearly.

Maintenance : Depending on the frequency of use and torque loaded, it is recommended to add lubricant to internal parts every 3 to 6 months. For maintenance, please contact the agent or after-sales service center.

Intended use:

The user or the user's employer shall assess the specific use that can be present as a result of each use.

Never use the tool otherwise than the tool is designed for and as explained in this manual.

Damages as a consequence of not following this manual, or caused by incorrect use or incorrect repairs, will never be covered by our warranty and we will have no responsibility for it. We reserve the right for technical improvements, without prior notification.

This tool is designed for tightening processes on threaded fasteners, if used otherwise a risk assessment has to be made by the employer/user.

Warranty

The warranty period from the date of purchase is as follows:

- 12 months on Yokota , Toku and Red Rooster tools;
- 3 months on spare parts of tools, which are repaired by us.

Warranty covers material or construction mistakes of the manufacturer, which are clearly definable. Replacement of parts or repair by an official Yokota/Red Rooster service workshop is free of charge, when the tool is covered by warranty. Freight or postage is for the account of the buyer. Damage attributable to a normal wear, overloading or incorrect use is excluded from warranty. Always consult this manual! Replacement of tools as a consequence of warranty claims is no part of the warranty arrangements.

Also claims for loss of production and/or other damages are excluded from this warranty.

Repairs under warranty can only be considered, when the tool is in its original state and it is accompanied by a copy of the purchase invoice. Warranty claims have to be made through the dealer, who has supplied the tool concerned.

Declaration of Conformity

CE Declaration of Conformity

Brand: RedRoosterIndustrial

Product:

Type: RRI-ESP90870-D

Capacity:

Serial nr. from:

WE, RAMI YOKOTA B.V., hereby declare that this product is conform the European Directive 2006/42/EU, 2014/30/EU, 2011/65/EU, 2015/863/EU II EN 62841-1 :2015/A11:2022, EN 62841-2-2:2014/AC:2015, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1 :2021, EN 61000-3-3:2013+A2 :2021, EN IEC 61000-6-1:2016, EN IEC 61000-6-3:2020

Technical file available from Rami Yokota BV:

RAMI YOKOTA BV

De Ruyterkade 120

1011 AB Amsterdam

THE NETHERLANDS

UK Declaration of Conformity

Brand: RedRoosterIndustrial

Product:

Type: RRI-ESP90870-D

Capacity:

Serial nr. from:

WE, RAMI YOKOTA B.V. , hereby declare that this product is conform the Supply of Machinery (Safety) Regulaitions 2008 No. 1597, amendment 2001 No. 2157 2014/30/EU, 2011/65/EU, 2015/863/EU II EN 62841-1 :2015/A11:2022, EN 62841-2-2:2014/AC:2015, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1 :2021, EN 61000-3-3:2013+A2 :2021, EN IEC 61000-6-1:2016, EN IEC 61000-6-3:2020

Technical file available from Rami Yokota BV:

RAMI YOKOTA BV

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THE NETHERLANDS

Date: 31-03-2026

Place: Amsterdam

Signature:



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Managing Director RAMI YOKOTA BV

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