ROTATECH CHAINSAW HELMET

USER MANUAL



ROTATECH™
CUTTING EDGE PERFORMANCE



1. Helmet
2. Ear defenders
3. Ear defender adjustment dial
4. Visor (with bracket)
5. Headstrap
6. Headstrap adjustment dial

Package contents

1 x helmet with an adjustable head strap and sweatband (W-003)
2 x ear defenders (E-2017)
1 x visor (with bracket) (M-7005)
1 x set of operating instructions

Intented use

The forestry safety helmet protects its wearer from head injuries caused by falling or flying objects and impact from stationary objects. The ear protectors guard the wearer against noise. The ear protectors are only suitable for attachment to the Rotatech forestry safety helmet W-003. This mesh visor is designed to protection the user against eye and face injuries through mechanical impact. The mesh visor is marked on the brow protection with a series of numbers and symbols to indicate the manufacturer and field of use.

WARNING: This mesh visor should not be used when there is a foreseeable risk of any hard or sharp flying objects Any other usage or modification of the forestry safety helmet is deemed to be improper and carries a significant risk of accidents. The manufacturer accepts no responsibility for damage(s) attributable to misuse. The forestry safety helmet is not intended for commercial use.

Technical Data
Model name: M-5009
Head circumference of helmet: 52-66cm
: this mesh visors should not
Size of earmuff: S, M, L (adjustable)
Head form for mesh visor:1-M
Material of support arm: POM
Material of ear cover: ABS
Weight for helmet (grs): approx.700g
Weight (1x ear protectors): approx.234g

EN Basic Noise Attenuation Data

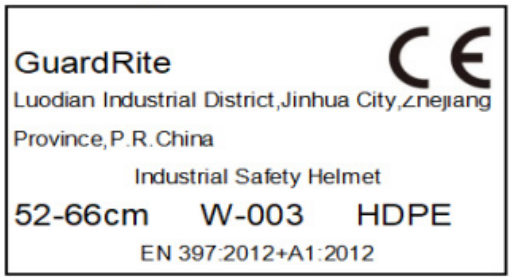
Frequency(Hz)	63	125	250	500	1000	2000	4000	8000
Average Mf (dB)	11	8,8	14	25,7	27, 1	35	33,2	33,8
Standard Deviation sf(dB)	3,9	3,4	3,7	5,6	2,9	4	5,1	5
APV:Mf-sf(dB)	7,1	5,4	10,3	20, 1	24, 1	31, 1	28, 1	28,8
	Minimum requirements H 12		Minimum requirements 11		Minimum requirements 9			
	H(dB)	29,	M(dB)	21	L(dB)	12	SNR(dB)	23
Average values	Hm(dB)	32, 1	Mm(dB)	23,5	Lm(dB)	15, 1	SNRm(dB)	25,8
Standard deviation	Hs(dB)	3	Ms(dB)	2,6	Ls(dB)	2,7	SNRs(dB)	2,5

1) APV-value at each test frequency in accordance with EN ISO 4869-2 with the parameter α = 1;
2) H-, M- and L- value in accordance with EN ISO 4869-2 with the parameter α = 1;
3) SNR-value in accordance with EN ISO 4869-2 with the parameter α = 1;

The forestry safety helmet are classed as Personal Protective Equipment (PPE) by the European PPE new regulation (EU) 2016/425 and have been shown to comply with this regulation through the Harmonized European Standard EN397:2012+A1:2012 /EN ISO 16321-3/ EN352-3:2020: Industrial helmet /mesh visor/ helmet-mounted Protective Earmuff.

Marking of forestry safety helmet (M-5009)

Marking of W-003



Marking of M-7005

Marking on frame



Marking on mesh visor



Marking on earmuff



Regulation (EU) 2016/425 on personal protective equipment:

GuardRite: manufacturer's identification mark
EN397/16321/EN352-3: European standard
W-003: Type of helmet
E-2017: Type of ear muff mounted helmet
M-7005: The mesh visor
52-66cm: Head circumference of helmet
C: Impact level C (tested at 45 m/s)
Mesh visor is suitable for headform 1-M (medium)

WARNING: If the impact ratings marked on the lens or filter and the frame differ, the lower rating applies to the complete protector.

For each protection marking (7, 9 or CH), the complete protector provides the corresponding protection only if the same marking appears on both the lens and the frame.

WARNING - EAR MUFF FIT: Helmet-mounted earmuffs that comply with EN 352-3 are classified as small, medium or large. Medium earmuffs fit most wearers. Small and large earmuffs are designed for wearers who need a different fit.

If the supplier has confirmed the size range for this specific model, add it to the warning so customers know which size is supplied.

ASSEMBLY



1. Fit the internal harness (Figs. A1–A3)
Turn the helmet upside down. Position the harness (6) inside the shell (1) with the padded forehead band behind the front peak and the adjustment dial at the back.

Find the four mounting slots just inside the helmet rim (Fig. A1). Line up each grey tab with its slot. Insert the small moulded foot first, with the smooth face towards the centre of the helmet (Fig. A2). The raised ribs identify the reverse face (Fig. A3).

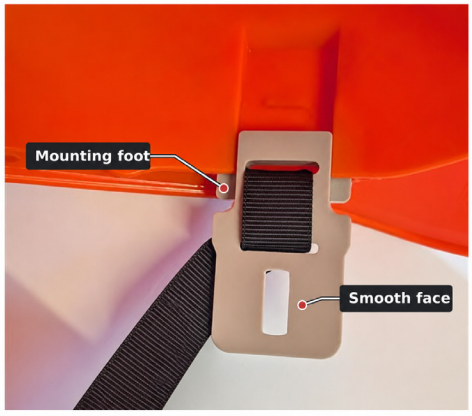
Press each tab into its mount until it engages. Check that all four tabs are secure.

FIG. A1 **Locate the shell slot**



Find the matching slot just inside the helmet rim.

FIG. A2 **Fit the harness tab**



Keep the smooth face towards the centre of the helmet.

2. Attach the earmuffs (Fig. C)
Push each earmuff mount (3) into the slot on the corresponding side of the helmet shell (1) until it clicks into place.

3. Assemble the mesh visor (Fig. B)
Insert the mesh panel into the visor frame (2) from below. Push it up until it clicks into place.

4. Insert the visor arms (Fig. D)
Slide the arms of the assembled visor (2) into the slots on the earmuff mounts (3).

5. Pivot the visor forwards (Fig. E)
Pivot the visor (2) forwards as shown in Fig. E.

6. Fully seat the visor arms (Fig. F)
Slide both visor arms fully into the slots on the earmuff mounts (3) until they reach the end of their travel.

Adjusting the fit

Adjust the headband (Fig. A)
Turn the rear adjustment dial (4) clockwise to tighten the headband or anticlockwise to loosen it. The helmet should sit firmly on your head without uncomfortable pressure.

Adjust the earmuffs (Figs. G–I)
Push the earmuff brackets down to lock the cups over your ears. Slide each cup up or down and rotate it to suit your ears (Fig. G). Swing the cups outwards to make the helmet easier to put on or take off (Fig. H). Slide the earmuff adjuster (5) towards + to increase pressure or – to decrease it (Fig. I).

Adjust the visor (Fig. J)
Slide the visor (2) forwards or backwards by hand to adjust the distance between the mesh and your face. You can also pivot the visor fully upwards.

Before use, check that the harness, earmuffs and visor are securely attached and correctly adjusted.

Safety information

NOTE: Read all safety warnings and instructions before using the helmet. Keep them for future reference. The helmet reduces the risk of injury. Always follow safe working procedures.

Before each use

- Check the helmet, harness, visor and earmuffs for cracks, tears, loose parts or other signs of damage. Use the helmet only when all components are in good condition.

- Make sure all components are securely attached, correctly adjusted and properly maintained. The helmet should fit firmly without uncomfortable pressure.

Impact, modification and chemicals

- Replace the helmet after a severe impact, even if there is no visible damage. An impact can cause hairline cracks or hidden damage that reduces protection.

- Do not alter the helmet's structure or surface finish. Modifications can reduce its protective performance.

- Keep the helmet away from liquids containing solvents or alcohol. These can damage the plastic. Ask the manufacturer for advice on chemical compatibility.

Hearing protection

- Follow the instructions for fitting, adjusting and maintaining the earmuffs. Wear them throughout exposure to hazardous noise.

- Inspect the ear cushions after each use for tears, loose areas or other signs of wear.

- Follow the manufacturer's cleaning instructions. Do not use chemicals that could damage the earmuffs or harm the wearer.

- Incorrect fitting, adjustment or maintenance can seriously reduce the protection provided by the earmuffs.

- Check the earmuffs and foam cushions regularly for tears, loose areas and other signs of wear.

- Fitting hygiene covers over the cushions can affect how much noise the earmuffs block.

Mesh visor

- Always lower the visor when wearing the helmet.

- The mesh visor provides limited protection against flying debris. Do not use it where hard or sharp objects are likely to be thrown.

- The visor offers no protection against splashing liquids, hot objects, electrical hazards, infrared radiation or ultraviolet (UV) radiation.

- Wood shavings and resin can damage the visor and reduce visibility. Replace the visor if it is scratched or damaged.

Maintenance, cleaning, storage & transport

- Before each use, check all components for damage and wear.

- Replace the earmuff cushions whenever they show signs of wear and at least every six months. Pull out the old cushions and fit the new ones securely in the same position. Contact Rotatech customer service for spare parts.

- After use, clean the helmet, earmuffs and visor with a damp cloth. Do not use petrol, solvents or cleaning products that can damage plastic.

- To disinfect the helmet or earmuffs, use a product free from solvents and harsh chemicals.

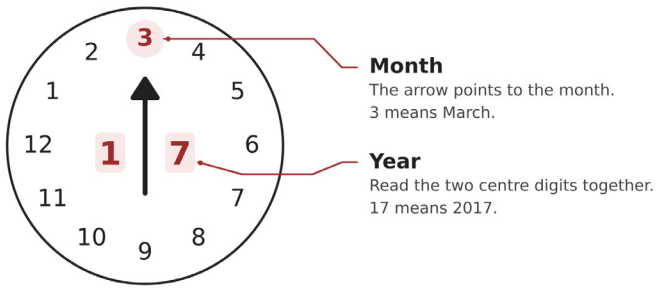
- Store the helmet, earmuffs and visor in a clean, dry place away from UV exposure. Use the original box for transport.

Service ife

The helmet materials age naturally. The maximum service life is five years for the helmet and three years for the mesh visor. Replace damaged parts sooner.

The date of manufacture is marked on the helmet. See **Fig. M** for how to read the date stamp.

FIG. M **Date of manufacture**



Example March 2017

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