



KEMPPI Gamma GTH3 RFA Grinding Helmet Instruction Manual

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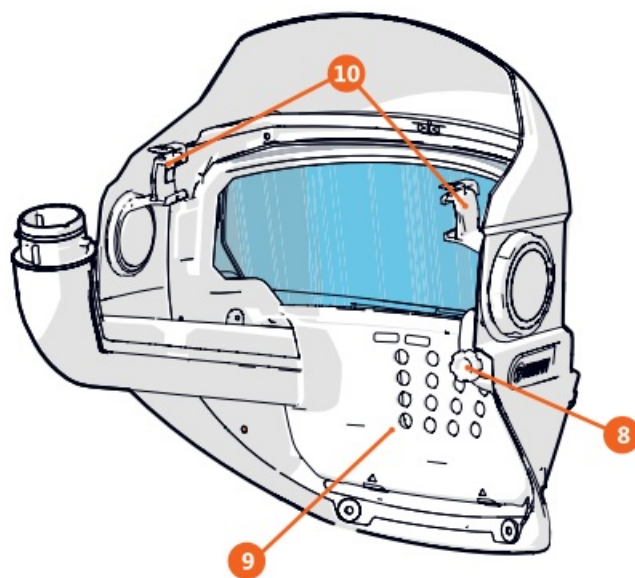
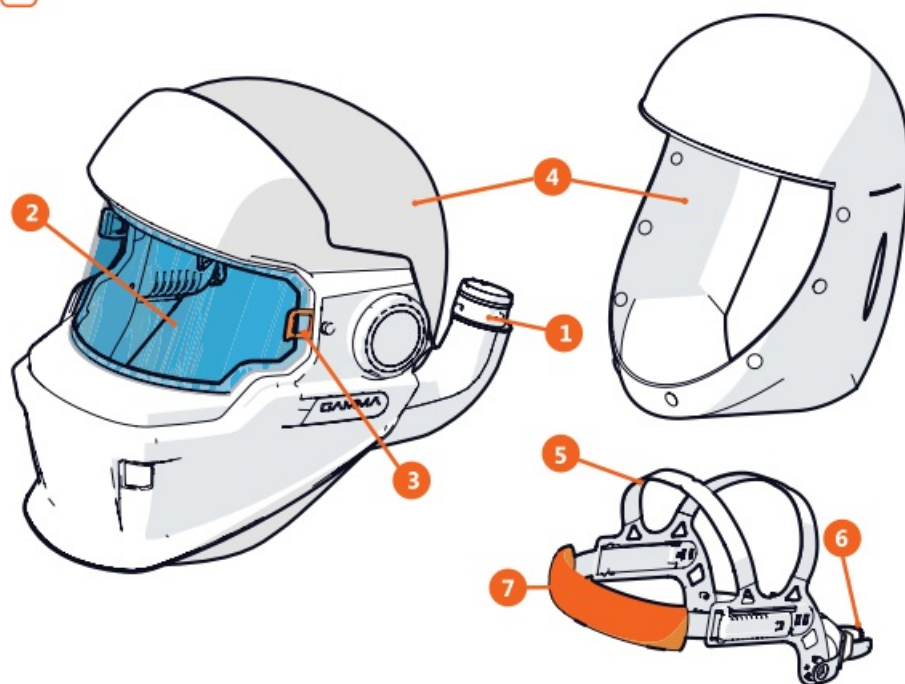
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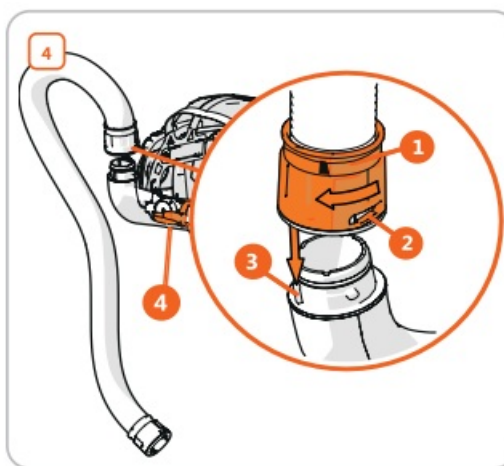
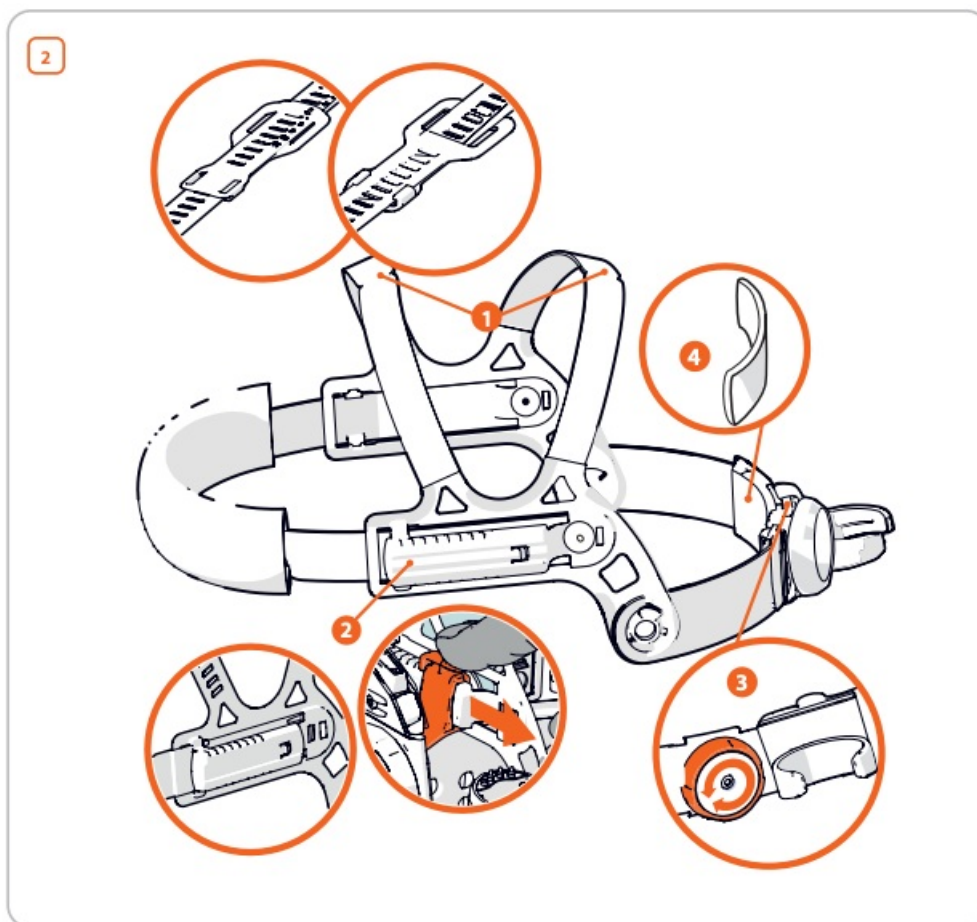
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Introduction

Gamma GTH3 RFA




Gamma GTH3 RFA is meant for industrial use such as metal or wood grinding or painting. This product is not designed to use in welding applications. The Gamma GTH3 RFA model is designed to be used together with PFU 210e powered filter unit or RSA 230 air supply regulator for the user's respiratory system protection.

Gamma GTH3 RFA offers the highest level of respiratory protection: TH3 classification (max inward leakage 0,2%) with PFU 210e, and 3B (max inward leakage 0,5%) with RSA 230 and eye protection against high speed (120m/s) particles.

(For operating PFU 210e or RSA 230, refer to the instructions delivered with the equipment in question in conjunction with this manual.)

About this manual

Read this manual carefully before using the equipment for the first time. Pay particular attention to the safety instructions.

	Convention	Used For
	Note	Gives the user a piece of information of particular importance.
	Caution	Describes a situation that may result in damage to the equipment or system.
	Warning	Describes a potentially dangerous situation that may result in personal damage or fatal injury.

Disclaimer

While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions. Kemppi reserves the right to change the specification of the product described at any time without prior notice. Do not copy, record, reproduce or transmit the contents of this guide without prior permission from Kemppi.

Safety



Warning:

- It is strictly forbidden to use any other than Kemppi branded filters or other parts or accessories with Kemppi's personal protection equipment. If you do not respect this safety regulation, serious damage for your health may occur.



Warning:

- We recommend a usage period of 5 years. The period of use depends on various factors such as use, cleaning, storage and maintenance. Inspect the helmet before each use. Replace damaged or worn parts.
- Use all adjustment features for maximum protection.



Warning:

- Materials which may come into contact with the wearer's skin may cause allergic reactions to susceptible individuals.
- Only operate this product within the temperature range -5...+55 °C.
- The product is not intended for use in environments with a risk of explosion.
- The helmet does not protect against explosive devices or corrosive liquids.
- The helmet is not suitable for laser welding and oxyacetylene welding/cutting processes.
- Set and tighten the face seal properly. If the face seal is not tight, the respiratory protection may not reach the

best level.

- When helmet is worn over any spectacles, they may transmit the impact of high speed particles, thus creating a hazard to the wearer.
- If protection against high speed particles at extremes of temperature is required then the selected eye-protector should be marked with the letter T immediately after the impact letter, i.e. FT, BT or AT. If the impact letter is not followed by the letter T then the eye protector shall only be used against high speed particles at room temperature.
- Never use a scratched or damaged welding filter and ocular.
- If the symbols of the marking are not common to different parts of the protection equipment, the lower protection level shall be assigned to the complete protection equipment.



Note: This product protects against high speed particles only in normal room temperature – Designation B (120m/s) is common for ocular and frame.

Parts 1

1. Air duct for the respirator
2. Visor
3. Visor lock
4. Face seal: washable
5. Headband
6. Air hose holder
7. Sweatband: washable
8. Angle regulator knob: Adjust the viewing angle.
9. Air duct nozzle
10. Distance slide adjusters: Connect the headband to the helmet and adjust the distance of the helmet from the face.

Taking the product into use

1. Check that the product has not been damaged during the transport.
2. Adjust the helmet for your head: 2
 - A. Use the top bands to adjust how deep the helmet sits (1).
 - B. Use the distance slide adjuster to change the distance of the helmet from your face (2). Ensure that the helmet is comfortably as close as possible to your face and that both sides are equally positioned.
 - C. Turn the knob to tighten and secure the headband (3).
 - D. Attach the optional comfort band padding for additional comfort (4).
- 3 Make sure the helmet sits deep enough on your head, as shown in the picture.
3. Connect the air hose to the helmet and to PFU 210e or RSA 230: 4
 - A. Turn the air hose connector (1) to fully expose the openings (2).
 - B. Align the groove in the air hose connector with the tab in the air duct (3).
 - C. Push the connector into the air duct.
 - D. Turn the connector clockwise to snap-lock the air hose into its place. E. Secure the air hose into the air hose

holder (4) to keep it out of the way.

4. Turn on the powered filter unit / air supply.
5. Set and tighten the face seal properly around your face, in front of the ears and under the chin using all three strap tighteners in the face seal.



Warning: If the face seal is not tight, the respiratory protection may not reach the best level.

Adjusting the viewing angle

Turn the viewing angle adjuster to tilt the viewing angle upwards or downwards.

Tip: When adjusting the helmet upwards, support the helmet with the other hand.

Replacing parts

To remove the headband:

1. Press and hold down the slide adjuster button (3).
2. Push the headband connector (1) forwards, out of the distance slide adjuster (2).

To replace the face seal:

1. Remove the headband.
2. Open the face seal snap fasteners (5).
3. To remove the face seal, slide the face seal's top sealing strip (1) out of the groove on the inside of the helmet (2) and remove the face seal.
4. To attach the face seal back, slide the face seal's top sealing strip (1) back into the groove on the inside of the helmet (2). Make sure the face seal is positioned in the middle.
5. Pass the distance slide adjusters and the air duct through the openings in the face seal (3, 4).
6. Secure the face seal in place with the snap fasteners (5).
7. Attach the headband back in place.

To attach the headband:

1. Bring the headband connector in front of the distance slide adjuster.
2. Press down the slide adjuster button while pushing the headband connector through the distance slide adjuster.
3. Slide the headband connector in place so that the slide adjuster pin locks into one of the grooves in the headband connector.
4. Adjust the helmet distance from your face.

To replace the visor:

5. Pull the visor locks slightly outwards, and pull the visor out.

6. To insert the visor, align the grooves in the visor with the visor locks, and snap the visor into its place.



Note: Make sure both sides snap into their place.

Maintenance

Inspect the helmet after each use. Replace worn or damaged parts.

Cleaning

- Clean the protection plate and visor with mild soap, lukewarm water and a soft cloth.
- Detach and wash the sweatband and face seal, if necessary.

Cleaning the air duct nozzle



1. Remove the air duct nozzle by pushing a tool under the two grooves below the plate.
2. Wipe the nozzle and the area behind it with a soft cloth and mild detergent or suitable disinfecting mask spray.
3. Dry well before reassembling.

Storage

Store the Gamma helmet in an environment with temperature between -20...+50 °C and humidity < 80 % Rh.

Store and transport the helmet and the accessories in the original bag or package.

Gamma GTH3 RFA: Technical data

Model:	GTH3 RFA
Compliant with standards:	EN 12941:1998+A1:2004+A2:2008 (TH3 together with PFU 210e) (TH3 = Max. inward leakage 0.2 %) EN 14594:2018 (3B together with RSA 230) (3B = Max. inward leakage 0.5 %) EN 166:2001, Personal eye protection, specifications Regulation 2016/425 AS/ NZS 1716:2012 (PAPR-P2) AS/NZS 1337.1:2010 Directive 2001/95/EC
Type inspected by:	CE: FORCE Certification A/S, Park Alle 345, 2605 Brøndby, Denmark. Notified Body No. 0200 UKCA: CCQS UK Ltd. 5 Harbour Exchange Square, London, E14 9GE, UK. Approved Body No. 1105 CE: DIN CERTCO Gesellschaft für Konformitätsbewertung mbH Alboinstr. 56D-12103 Berlin, Germany. Notified Body No. 0196 SAI Global Certification Services Pty Limited. 680 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001, Australia.
Manufacturer:	Kemppe Oy PL 13, Kempinkatu 1, 15801 LAHTI, FINLAND
Operating temperature:	-5°...+55 °C
Recommended humidity for use:	< 80 % Rh
Storage temperature:	-20...+50 °C
Materials:	Plastics: PA, PP, PC, ABS, POM Sweatband material 100 % cotton, padding foam plastic
Weight (headpiece only):	622 g

Helmet marking – KMP EN 166 B CE UKCA

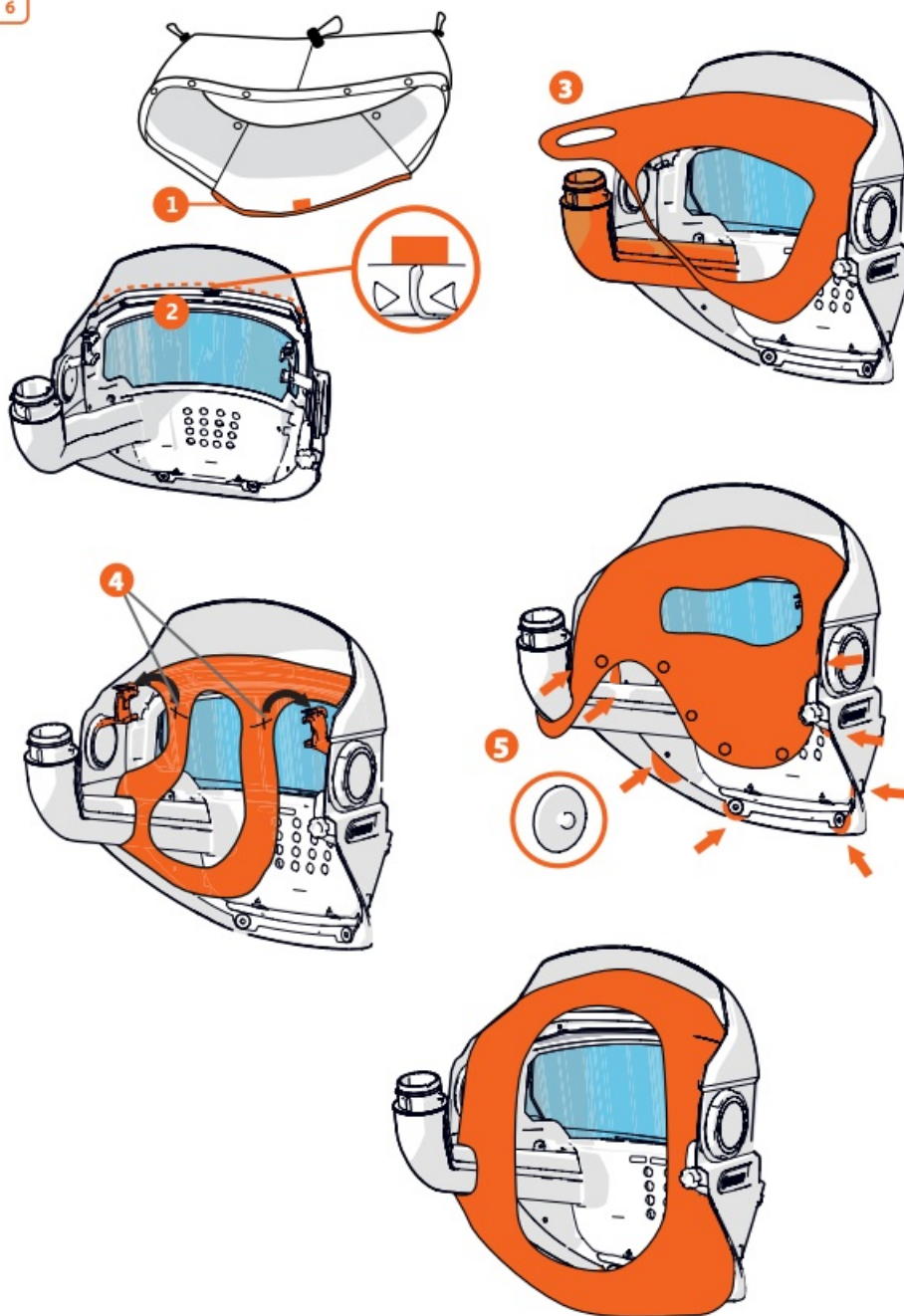
Ocular marking – KMP 1 B CE UKCA

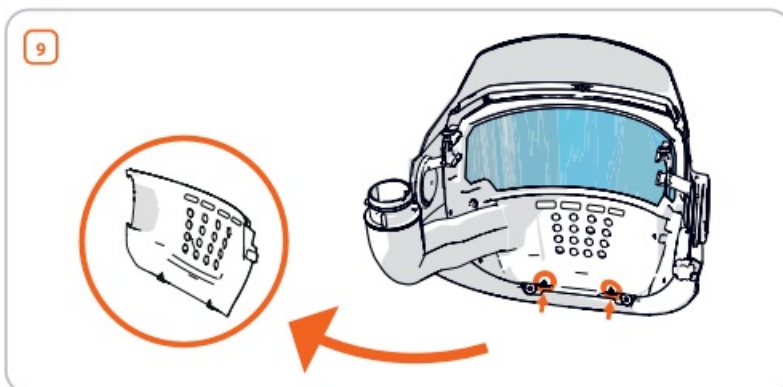
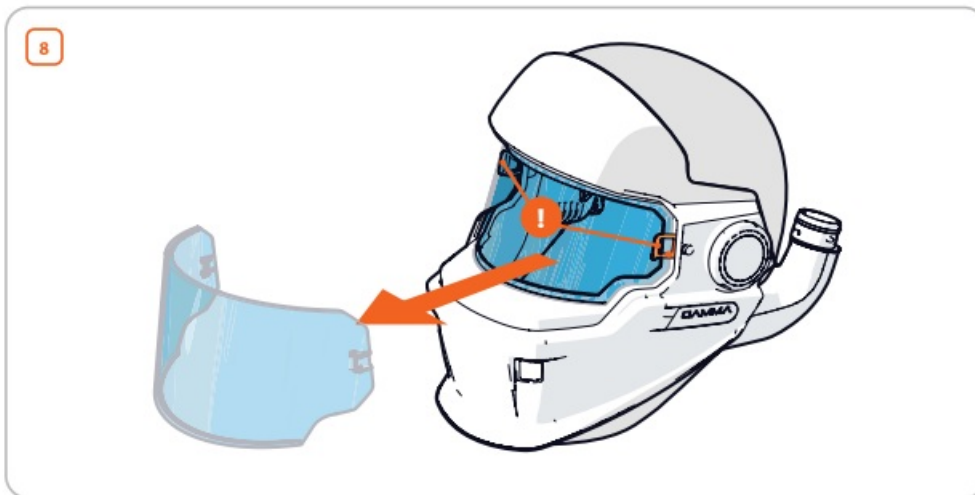
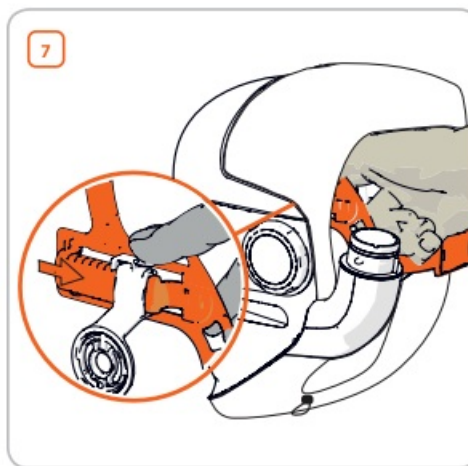
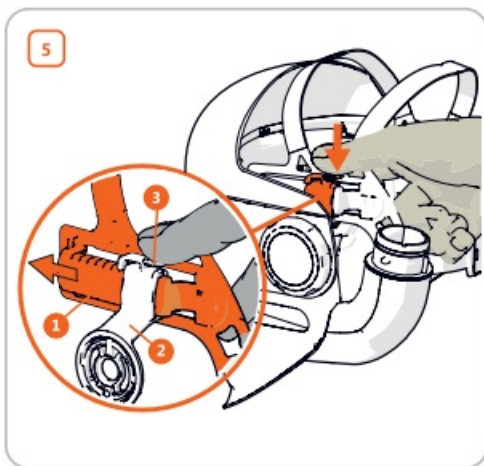
KMP	Identification of the manufacturer
1	Optical class (except for cover plates)
B	Symbol for mechanical strength
CE	CE marking (European Conformity)
UKCA	UKCA marking (UK Conformity)
EN 166	Personal eye protection, specifications

Ordering codes

Part	Ordering code
Face seal	SP009794
Visor knob assembly	SP008152
Headband	SP009023
Sweatband 2 pcs	SP9873018
Comfort band padding	SP013231
LIFE+ -visor 5 pcs	SP008040HC
Grinding visor, clear 5 pcs	SP008040
Grinding visor, yellow 5 pcs	SP008040Y

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Welding helmet weight



See information supplied by the RPD manufacturer



userdoc.kemppi.com

Quality assurance of the production process (Module D):
FORCE Certification A/S
Park Alle 345, 2605 Brønby, Denmark
Notified body 0200



Documents / Resources



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Gamma GTH3 RFA, Grinding Helmet, Gamma GTH3 RFA Grinding Helmet, Helmet

References

-  [Redirecting](#)

Manuals+.