



CERTIFIKAT

EC Type Examination Certificate

13 19 06

3M™ Industrial Safety Helmet G3000 & G3001

Holder/Issued to/Manufacturer

3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT, United Kingdom.

Product description and product name

Industrial safety helmet "3M™ Industrial Safety Helmet G3000 & G3001", in compliance with EN 397:2012. This certificate covers a number of models as can be seen in page 2 of this certificate.

Technical documentation

The manufacturer's technical file, latest dated 2014-01-15.

Certification

SP Technical Research Institute of Sweden hereby certifies that the manufacturer's technical file and the product have been inspected and found to fulfil the requirements set out in Directive 89/686/EEC, Article 10. The certification is verified by a type test in accordance with EN 397. The product also complies with additional requirements in EN 397, as can be seen in appendix. Some models are also type tested, and fulfils the requirements, according to EN 50365:2002, see page 2.

Miscellaneous

The manufacturer's information in English on use, cleaning, storage etc. has been inspected and found to fulfil the relevant requirements of the Directive. This information must be available in the language used where the product is to be sold.

Validity

This certificate was first issued on 17th October 2003. The certificate remains valid as long as the conditions laid down in the harmonised standard(s) in reference are not modified significantly or at the latest until 31st January 2019.

It is a prerequisite that manufactured products, carrying the additional "440Vac" marking, must be inspected in accordance with Article 11 of the directive 89/686/EEC. It is also a prerequisite that products fulfilling the requirements in EN 50365:2002 are subjected to a quality assurance plan as specified in EN 50365.

SP Technical Research Institute of Sweden
Certification - Notified Body No.0402


Lennart Månsson
Certification Manager


Lennart Aronsson
Certification Officer

EC Type Examination Certificate no. 131906, issue 8, valid from 31st January 2014 - page 1(2)

SP Technical Research Institute of Sweden

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SWEDEN			

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CERTIFIKAT

EC Type Examination Certificate

Product information

Models

Helmet designation	Harness*	Design	Optional requirements (Numbering refers to EN 397:1995, taking in consideration EN 397:1995 A:1 2000)			Fulfills requirements according to EN 50365:2002	Marking
			Very low temperature (5.2.1) (-30°)	Electrical properties (5.2.3) 440 Vac	Molten metal splash (5.2.5) MM		
G3000C G3000CUV	G2C	G3000 Shell with ventilation openings	X		X		-30°C MM
G3000D G3000DUV	G2D						
G3000M G3000MUV	G2M						
G3000N G3000NUV	G2N						
G3000C-10 G3000CUV-10	G2C	G3000 Shell with ventilation openings. Equipped with holders for lamp and cable.	X		X		-30°C MM
G3000D-10 G3000DUV-10	G2D						
G3000M-10 G3000MUV-10	G2M						
G3000N-10 G3000NUV-10	G2N						
G3001C G3001CUV	G2C	G3001 Shell without ventilation openings	X		X	X	-30°C MM 440 Vac EN 50365**
G3001D G3001DUV	G2D						
G3001M G3001MUV	G2M						
G3001N G3001NUV	G2N						

* Harness designations	Sizes cm
G2C Plastic sweatband	54-62
G2D Leather sweatband	54-62
G2M With ratchet, leather sweatband	53-62
G2N With ratchet, plastic sweatband	53-62

** The marking shall be designed according to the specification in EN 50365:2002

EC Type Examination Certificate no. 131906, issue 8, valid from 31st January 2014 - page 2(2)

SP Technical Research Institute of Sweden

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 SWEDEN

The Council Directive 89/686/EEC is implemented in Swedish Law by the national regulation AFS 1996:07, latest amended by AFS 2011:05. Swedish Notified Bodies are appointed by SWEDAC, the Swedish Board for Accreditation and Conformity Assessment, under the terms of Swedish legislation. This certificate may not be reproduced other than in full, except with the prior written approval by SP.



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health and identified under
0403 grants

EC TYPE EXAMINATION CERTIFICATE EXTENSION

23199JPS06

for ear muff type hearing protectors as defined in EN 352-3:2002

Peltor Optime I, H510P3*
Peltor Optime II, H520P3*
Peltor Optime III, H540P3*
Peltor H31P3*

3M Svenska AB
Värnamo
Sweden

These products comply with Directive 89/686/EEC, as amended

Helsinki, 03 January 2012

Helena Mäkinen
Team Leader

Erja Tammela
Senior Specialist

This certificate comprises 3 pages and two appendices.

Finnish Institute of Occupational Health, Notified Body No. 0403,
Topeliuksenkatu 41 a A, FI-00250 Helsinki, Finland



1. Applicant

3M Svenska AB
Malmstengatan 19
S-33102 Värnamo
Sweden

2. Description and identification of the products

Type: Hearing protectors attached to industrial safety helmets, Peltor G22 helmet as the basic set and supplementary combinations as listed in Table in Appendix 2.

Name: Peltor Optime I, H510P3*
Peltor Optime II, H520P3*
Peltor Optime III, H540P3*
Peltor H31P3*
The stars in the name stand for different wedge-models in the helmets

Manufacturer: 3M Svenska AB

Picture of the products:



Optime I (H510P3), Optime II (H520P3), Optime III (H540P3) and H31P3*

3. Alterations to the original product (EC type examination certificate no. 23199JPS05rev)

The secondary sets with the following helmets are added:
3M Airstream AH1, AH4, AH7, HT-701, HT-702, HT-705, HT-707;
Centurion Concept;
3M G500 Headgear;
3M Versaflo M-106, M-107, M-306, M-307



4. Adequacy and validity of the technical documentation

The documentation concerning the supplementary combinations is described in Appendix 1.

The documents referred to and assessment in EC type examination certificate 23199JPS05rev do apply. The modification of the product is documented adequately.

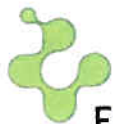
The supplementary combination has been tested in accordance with harmonized European standard EN 352-3:2002 by accredited testing methods. The models of the products supplied by the applicant conform to the technical documentation.

The supplementary combinations and the accordingly modified technical documentation comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC as amended by 93/95/EEC, 93/68/EEC and 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type-examined product must be brought to the attention of FIOH.

- Appendix 1. Documentation
- Appendix 2. List of possible helmet combinations

End of EC type examination certificate extension.



Technical and other documentation regarding EC type examination certificate

Product name: Peltor Optime I (H510P3*), Peltor Optime II (H520P3*), Peltor Optime III (H540P3*) and Peltor H31P3* with industrial safety helmets
Applicant: 3M Svenska AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
1. Application for the EC type examination	2010-04-14, Nermin Jusufovic	Adequate
2. Product drawing, construction, and material list	Material assembly: P010445, 2002-02-07 P010449, 2002-02-07 P010441, 2002-02-07 P950220 rev.a, 2008-05-20 Pkg Spec No.: XA-0077-7341-0_Iss1 Primary label: XH-0016-5070-0	The products and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.4	
3.1 FIOH assessment of relevant Directive basic requirements	2012-01-03	The applied harmonised standard EN 352-3:2002 supports the relevant requirements
3.2 FIOH test reports	95081S03, 2001-03-26 95086T01, 1995-06-15 95484T01, 1995-09-20 98266T01, 1998-10-03 20084T01, 2000-03-21 21046T01, 2001-03-13 22004T01, 2002-04-12 21361T01, 2002-04-12 21331T01, 2002-04-12 23199T01, 2003-09-10 26099T01, 2006-09-07 26100T01, 2006-09-07 26101T01, 2006-09-07 26102T01, 2006-09-07 26103T01, 2006-09-07 26104T01, 2006-09-07 26105T01, 2006-09-07 26106T01, 2006-09-07 26276T01, 2007-08-29 26276T02, 2007-07-27 29201T01, 2009-06-17 29453T01, 2009-11-02 29563T01, 2010-01-14 10193T01, 2010-04-29	The product fulfils the requirements of EN 352-3:2002
3.3 Draft information sheet	Peltor Passive Muff UI, XA-0077-7412-9_Iss2	Adequate
3.4 Product markings	On product	Adequate
4. Description of the production quality system and related product control and test facilities	Quality assurance P951364.ver4 , 2011-11-23	Adequate for category II products

End of documentation list.



Table 1. List of possible helmet combinations (S=small size, N=normal size, L=large size)

Helmet manufacturer	Helmet model	Wedge	H31	H510	H520	H540
Auboueix	Brennus	F	SNL	SNL	SNL	SNL
Auboueix	Fondelec	F	SNL	SNL	SNL	SNL
Auboueix	Iris	E	NL	NL	NL	NL
Auboueix	Iris 2	E	NL	NL	NL	NL
Sofop Taliaplast	Oceanic	E	NL	NL	NL	NL
Sofop Taliaplast	Opus	E	NL	NL	NL	NL
Berendsen Safety,	Balance HD	N	SNL	SNL	SNL	SNL
Centurion	1125/ARCO plus	H	SNL	SNL	SNL	SNL
Centurion	1100/ARCO type 2	H	SNL	SNL	SNL	NL
Centurion	1540/ARCO	A	NL	NL	NL	NL
Evert Larsson	Robust	E	SNL	SNL	SNL	SNL
Evert Larsson	Balance	E	NL	NL	NL	NL
Evert Larsson	Balance AC/3M 1465	E	NL	NL	NL	NL
Kemira	Top Cap	A	SNL	SNL	SNL	SNL
LAS	LP2002	E	SNL	SNL	SNL	SNL
LAS	LP2006	E	SNL	SNL	SNL	SNL
MSA	Super V-Gard II	E	SNL	SNL	SNL	SNL
MSA	V-Gard	E	SNL	SNL	SNL	SNL
3M	G2000	K,E	SNL	SNL	SNL	SNL
3M	G22 (BASIC SET)	E	SNL	SNL	SNL	SNL
3M	G3000	E	SNL	SNL	SNL	SNL
Petzl	Vertex	E	SNL	SNL	SNL	SNL
Protector	Style 300	E	SNL	SNL	SNL	SNL
Protector	Style 600	E	SNL	SNL	SNL	SNL
Protector	Tuffmaster II	E, G	NL	NL	NL	NL
Römer	Bravo 2 Nomaz	B	SNL	SNL	SNL	SNL
Römer	Marcus Top 2 Atlas Nomaz	B	SNL	SNL	SNL	SNL
Römer	N2 Atlas Nomaz	BB	SNL	SNL	SNL	SNL
Römer	Profi Expo	E	SNL	SNL	SNL	SNL
Römer	Profi Nomaz	E	SNL	SNL	SNL	SNL
Römer	Top Expo Atlas	B	SNL	SNL	SNL	SNL
Schuberth	BEN	BB	SNL	SNL	SNL	SNL
Schuberth	BER80/WPC80	EA	SNL	SNL	SNL	SNL
Schuberth	BER S	E	SNL	SNL	SNL	SNL
Schuberth	BOP R	B	SNL	SNL	SNL	SNL
Schuberth	PIONIER	B	SNL	SNL	SNL	SNL
Schuberth	SH 91/WPL 91	EB	SNL	SNL	SNL	SNL
Schuberth	SW1	EB	NL	NL	NL	NL
UVEX	Airwing	E	SNL	SNL	SNL	SNL
Voss	Inap 88	E	SNL	SNL	SNL	SNL



Voss	Inap Master	E	NL	NL	NL	NL
Voss	Inap Star	E	NL	NL	NL	NL
Voss	Inap PCG	G	NL	NL	NL	NL
3M	Airstream AH1, AH4	AE	NL	NL	NL	L
3M	Airstream AH7	AE	NL	NL	NL	L
3M	Airstream HT-701, HT-702, HT-705	AE	NL	NL	NL	L
3M	Airstream HT-707	AE	NL	NL	NL	L
Centurion	Concept	E	SNL	SNL	SNL	SNL
3M	G500 Headgear	E	SNL	SNL	SNL	SNL
3M	Versaflo M-106, M-107	AF	NL	NL	NL	NL
3M	Versaflo M-306, M-307	AF	NL	NL	NL	NL



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health
and identified under 0403 grants

EC TYPE EXAMINATION CERTIFICATE EXTENSION

10340SKS02

for face shield against low energy impact F
as defined in EN 1731:2006

**5B, 5C and 5J mesh face screens mounted on G500 headgear
or with Model V5 helmet link system attached to helmets**

3M/Peltor G3000 and 3M/Peltor G22

3M Svenska AB
33102 Värnamo, Sweden

This product complies with Directive 89/686/EEC, as amended

Helsinki, 08 July 2011

Erja Tammela
Senior Specialist

Anna Ruhala
Researcher

This certificate extension comprises 3 pages and an appendix.



1. Applicant

3M Svenska AB
Box 2341
SE-33102 Värnamo,
Sweden

2. Description and identification of the product

Type: Mesh face screen type eye and face protectors mounted on G500 headgear or with Model V5 helmet link system attached to helmets 3M/Peltor G3000 or 3M/Peltor G22 as defined in EN 1731:2006

Name: 5B, 5C and 5J

Description: Model 5B is a plastic mesh visor
Model 5C is a metal mesh visor
Model 5J is a an etched metal mesh visor
All visors are black and are mounted either to the Model G500 headgear or to the Model V5 helmet link system.

Manufacturer: 3M Svenska AB

Pictures of the products are on page 3

3. Alterations to the original product (EC type examination certificate no. 10340SKS01)

The product has the same design and construction as earlier (Certificate 10340SKS01) with the following changes:

A new model 5J is added
Model V5 link system attached to helmets
Modification of the mesh visor frame of all models

4. Adequacy and validity of the technical documentation

The documentation concerning the modification of the products is described in Appendix 1.

The documents referred to and assessment in EC type examination certificate 10340SKS01 do apply. The modification of the product is documented adequately.

The alterations to the original product have been tested in accordance with harmonized European standard EN 1731:2006 by accredited testing methods. The models of the products supplied by the applicant conform with the technical documentation.

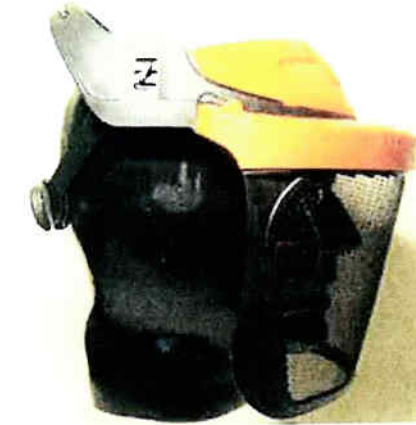
The modified product and the accordingly modified technical documentation comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC as amended by 93/95/EEC, 93/68/EEC and 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.

Appendix 1. Technical documentation



Model 5B on G500 headgear



Model 5C on G500 headgear



Model 5J on G500 headgear

End of EC type examination certificate extension 10340SKS02.



Technical and other documentation regarding EC type examination certificate extension 10340SKS02

Product name: 5B, 5C and 5J mesh face screens

Applicant: 3M Svenska AB

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	Nermin Jusufović, 2011-07-08	Contains adequate information
2. Product drawing, construction, and material list	P090349, Rev b.01, 2009-11-12 P100424, Rev b.02, 2010-05-24 P100539, Rev a.05, 2010-07-06 P100819, Rev a.03, 2010-12-23 P110133, Rev a.00, 2011-04-04 P110339, Rev a.00, 2011-07-04	The product and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.4	
3.1 FIOH assessment of relevant Directive basic requirements	2011-07-08	The applied harmonised standard EN 1731:2006 supports the relevant requirements
3.2 Test report	10026T01, 2010-01-21 166584T01, 2011-05-16 166584T02, 2011-06-29	The product fulfils the requirements
3.3 Draft information sheet	Appendix to the application	Adequate
3.4 Product markings	On the drawings and samples	Adequate
4. Description of the production quality system and related product control and test facilities	Quality assurance for Mesh-visor according to EN 1731, P100448 ver.b, 2011-06-30	Adequate for category II products

End of documentation list



Testing of Hearing Protectors

Test item	Peltor H31P3*, H510P3*, H520P3*, H540P3*
Type	Earmuff as supplementary combination attached to industrial safety helmet Peltor G3000
Customer	Peltor AB Box 2341, Malmsteng. 19 S-33102 VÄRNAMO SWEDEN
Applied methods	EN 352-3:1996


Erkki Rajamäki
Technical Manager


Tarmo Mannelin
Assistant Researcher

Tämän selosteen osittainen julkaiseminen on sallittu ainoastaan Työterveyslaitoksen kirjallisella luvalla. Testaustulokset pätevät ainoastaan testatuille näytteille. Tämän selosteen testit, joissa on merkintä: "Ei Mittatekniikan keskuksen FINAS-akkreditointia", eivät kuulu testauslaboratorion T013 akkreditoinnin piiriin.



T013 (EN ISO/IEC 17025)

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1. Description and identification of test items

Description The test items are described in the following test reports

H520P3	21361T01
H31P3	20084T01
H510P3	22004T01
H540	21046T01

Manufacturer Peltor AB

2. Scope of testing

2.1 Test items

Test items (one each type) and four helmets were sent by post by the customer on 2003-06-12. Test items were intact. The sample for H520P3 was marked H520F

2.2 Testing

The tests were performed during 2003-07-14/17 and 2003-09-09 in the Department of Physics testing laboratories. The tests were performed according to the standard EN 352-3:1996.

3. Results

3.1 Adjustability

Not performed.

3.2 Cup Rotation

Not performed.

3.3 Headband force

The headband force (N) was measured from one specimen only.

Helmet Peltor	Earmuff	S	N	L
G3000				
23199/1	H520F	9.45	10,65	12.65
23199/2	H31P3	9.50	9,93	12.39
23199/3	H540P3	8.74	10,39	11.74
23199/4	H510P3	9.28	9,99	12.14

The headband forces (N) of the specimens of the basic set are:

Helmet Peltor	Earmuff	S	N	L
G22				
23199/1	H520P3	7.60	11,59	8.90
23199/2	H31P3	9.60	10,12	10.60
23199/3	H540P3		10,78	
23199/4	H510P3	9.50	10,70	11.10



The difference (%) of the headband forces compared to the headband forces of the basic set:

Helmet Peltor G3000	Earmuff	N
23199/1	H520F*	-8
23199/2	H31P3	-2
23199/3	H540P3	-4
23199/4	H510P3	-7

Different markings

3.4 Cushion pressure

Not performed.

3.5 Resistance to damage when dropped

Not performed.

3.6 Resistance to low temperature (optional)

Not performed.

3.7 Change in the headband force

Not performed.

3.8 Insertion loss

Not performed.

3.9 Resistance to leakage

Not performed.

3.10 Ignitability

Not performed.

3.11 Sound attenuation

Not performed.

END OF TEST REPORT 23199T01



Konformitätserklärung

3M UNITED KINGDOM PLC ERKLÄRT HIERMIT, DASS DIE NACHSTEHEND BESCHRIEBENE AUSRÜSTUNG MIT DEN FOLGENDEN EUROPÄISCHEN RICHTLINIEN ÜBEREINSTIMMT.

Produkttyp/Modell: **Helm-Kombination, G3000, STIHL, G3000N31ORV5J (XA007707194 / 0000-884-2403)**

Name des Herstellers: 3M Personal Safety Division
Adresse: ul. Kowalska 143, 51-424, Wrocław, Polen
Telefon: +48 71 395 9710 *Telefax:* +48 71 3959 880

Richtlinie(n)

PSA (Persönliche Schutzausrüstung)

(DE) Die PSA-Richtlinie gilt für persönliche Schutzausrüstung.

Diese Ausrüstung stimmt überein mit den Bestimmungen der Richtlinie **89/686/EEC** und, wo dies zutrifft, mit den nationalen Normen, die die harmonisierten Normen Nr: **EN1731:2006, EN352-3:2002, EN397:2012** umsetzen.

Diese Ausrüstung ist identisch mit der PSA, für die die EWG-übereinstimmungsbescheinigung (Certificate of Conformity) Nr. **10340SKS02, 23199JPS06, 131906** gilt, ausgestellt vom **SP Technical Research Institute of Sweden (Notified Body No.0402)**.

Benannte Stellen

SP Technical Research Institute of Sweden (Notified Body No. 0402), Box 857, SE-501, 15 Borås, Schweden

Bracknell, 18. März 2014

Ort und Datum

Mike Thomas, European Technical and Regulatory Affairs Manager

Name und Funktion des Unterzeichners



Declaration of Conformity

3M UNITED KINGDOM PLC DECLARES THAT THE EQUIPMENT DESCRIBED
HEREAFTER IS IN CONFORMITY WITH THE FOLLOWING EUROPEAN
DIRECTIVES.

Type of product/model: **Helmet combination, G3000, STIHL, G3000N31ORV5J
(XA007707194 / 0000-884-2403)**

Name of Manufacturer: 3M Occup Health and Env Safety
Address: ul. Kowalska 143, 51-424, Wroclaw, Poland
Telephone No: +48 71 395 9710 *Telefax No:* +48 71 3959 880

Directive(s)

PPE (Personal Protective Equipment)

(EN) The PPE Directive applies to personal protective equipment.

This equipment is in conformity with the provisions of Council Directive **89/686/EEC** and, where such is the case, with the national standard transposing harmonised standard(s) No: **EN1731:2006, EN352-3:2002, EN397:2012.**

This equipment is identical to the PPE which is subject of EC certificate of conformity No. **10340SKS02, 23199JPS06, 131906** issued by **SP Technical Research Institute of Sweden (Notified Body No.0402).**

Notified bodies

SP Technical Research Institute of Sweden (Notified Body No. 0402), Box 857, SE-501, 15 Boras, Sweden

Bracknell, 18th March 2014

Place and date

Mike Thomas, European Technical and Regulatory Affairs Manager

Name and function of the signatory



Déclaration de conformité

3M UNITED KINGDOM PLC DÉCLARE QUE L'ÉQUIPEMENT DÉCRIT CI-APÈS EST CONFORME AUX DIRECTIVES EUROPÉENNES SUIVANTES.

Type de produit/modèle: **Casque combinaison, G3000, STIHL, G3000N31ORV5J (XA007707194 / 0000-884-2403)**

Nom du fabricant: 3M Occup Health and Env Safety
Adresse: ul. Kowalska 143, 51-424, Wrocław, Pologne
Téléphone: +48 71 395 9710 Fax: +48 71 3959 880

Directive(s)

EPI (Equipelement de Protection Individuelle)

(FR) La directive EPI s'applique aux équipements de protection individuelle.

Cet équipement est conforme aux dispositions de la directive européenne **89/686/EEC** et, le cas échéant, à la norme nationale transposant la(les) norme(s) harmonisée(s) n°: **EN 1731:2006, EN352-3:2002, EN397:2012**.

Cet équipement est identique à l'EPI qui est soumis au certificate de conformité CE n° **10340SKS02, 23199JPS06, 131906** émis par **SP Technical Research Institute of Sweden (Notified Body No.0402)**.

Organismes avisés

SP Technical Research Institute of Sweden (Notified Body No. 0402), Box 857, SE-501, 15 Borås, Suède

Bracknell, 18/04/2014

Lieu et date

Mike Thomas, European Technical and Regulatory Affairs Manager

Nom et fonction du signataire