



Finnish Institute of
Occupational Health

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

EC TYPE EXAMINATION CERTIFICATE

29413HKS02rev1

for level dependent earmuff with electrical audio input and AM/FM
radio attached to industrial safety helmets as defined in
EN 352-3:2002, EN 352-4:2001/A1:2005,
EN 352-6:2002 and EN 352-8:2008

MSA left/RIGHT Dual Pro, Type 2 helmet-mounted
MSA Sordin AB
Värnamo
Sweden

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

Helsinki, 28 October 2016
Expiry date: 27 October 2021



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This certificate comprises 3 pages and two appendices.
This certificate supersedes certificate 29413HKS02, 2010-06-02



1. Applicant

MSA Sordin AB
Rörlägggarvägen 8
33151 Värnamo
Sweden

2. Description and identification of the product

Type: Hearing protectors attached to industrial safety helmets, Björnkläder Balance AC as the basic set with adapter Type 1 and supplementary combinations as listed in Appendix 2.

Name: MSA left/RIGHT Dual Pro, Type 2 helmet-mounted

Description: A level dependent earmuff with AM/FM radio and auxiliary connection as defined in EN 352-3:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008.

Size range: Small, medium and large

Manufacturer: MSA Sordin AB

Picture of the product is on page 3.

3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The product has been tested in accordance with harmonized European standards EN 352-3:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008 by accredited testing methods. The model of the product supplied by the applicant conforms to the technical documentation.

4. Compliance with basic health and safety requirements

The product and the technical documentation relating to it comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC (in Finland VNp 1406/93 Liite 1).

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 the Basic and supplementary helmet combinations



Picture of the product:



End of EC type examination certificate.



**Technical and other documentation regarding EC type examination certificate
29413HKS02rev1**

Product name: MSA left/RIGHT Dual Pro, Type 2 helmet-mounted
Applicant: MSA Sordin AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
1. Application for the EC type examination	2010-02-23, Anders Roos 2015-06-17, Guillaume Andre	Adequate
2. Product drawing, construction, and material list	Type2 Medium Dual1 drawing, 2009-07-27	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	2010-06-02 2016-10-28	The applied harmonised standards EN 352-3:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008 support the relevant requirements
3.2 FIOH test reports	Basic combination: 27358T01, 2009-09-07 29233T01, 2009-11-27 29413T01, 2010-01-14	The product fulfils the requirement of EN 352-3:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008
	Supplementary combinations: 10141T01, 2010-04-28 213444T02, 2013-01-18 322470T01, 2016-01-11	The supplementary combinations listed in Appendix 2 fulfil the requirements of EN 352-3:2002
3.3 Draft information sheet	leftRIGHT-electronic_english user manual_2015-08-12 VA edits 20160930	Document meets the requirements of Directive 89/686/EEC, EN 352-3:2002, EN 352-4:2001/A1:2005, EN 352-6:2002 and EN 352-8:2008.
3.4 Product markings	Appendix to original application	Markings meet the requirements of EN 352-3:2002
4. Description of the production quality system and related product control and test facilities	Quality Assurance by Håkan Davidsson, 2015-02-12	Adequate for category II products

End of documentation list.



List of the basic and supplementary helmet combinations

The basic combination for MSA left/RIGHT Dual Pro, Type 2 helmet-mounted is with industrial safety helmet Björnkläder Balance AC with adapter Type 1.

Supplementary combinations (S = small, M = medium, L = large):

Helmet	Adapter Type No.	Size range	Test report
MSA V-Gard	14	SML	29413T01, 2010-01-14
MSA V-Gard 200	14	ML	213444T02, 2013-01-18
MSA V-Gard 500	14	SML	29413T01, 2010-01-14
MSA V-Gard 520	14	SML	same as MSA V-Gard 500
MSA V-Gard 930 Cap	14	ML	322470T01, 2016-01-11
MSA V-Gard 950 Cap	14	ML	322470T01, 2016-01-11
Auboueix Iris 2	1, 2	SML	10141T01, 2010-04-28
Björnkläder Balance AC (basic combination)	1	SML	29413T01, 2010-01-14
Björnkläder Balance HD	1	SML	10141T01, 2010-04-28
Peltor G2000/G2001	1	SML	10141T01, 2010-04-28
Peltor G3000/G3001	2	SML	10141T01, 2010-04-28
Protector Style 300	1	SML	10141T01, 2010-04-28
Protector Style 600	2	SML	10141T01, 2010-04-28

End of the basic and supplementary helmet combinations list.