

PRODUCT NUMBER: 1013042
Matrix ORANGE LS-400 Refill

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>

Learn more about hearing conservation at hearforever.org >



Overview

Reference Number

1013042

Product Type

Hearing Protection

Range

Earplugs

Line

Disposable Earplugs

Brand

Howard Leight by Honeywell

Industry

- Industry • Administration • Agriculture • Army - Defence • ATEX environment
- Automotive and Part Manufacturer • Aviation • Building and Construction • Catering
- Chemical Industries • Energy or Electricity • Fire Protection brigades • Fishing • Food Industries
- Foundry • Glass Industries • Green Spaces • Homeland defense • Industrial Cleaning
- Iron and steel industry • Laboratory • Logistics • Maintenance • Medical and Pharmaceutical
- Metal steel • Mining and Quarrying • Offshore • Paper Industries • Petro-chemical
- Printing Industries • Services • Ship Building • Telecoms • Textile Industries • Transportation
- Utilities • Water treatment • Welding • Wood Industries

Product Use

Matrix Orange LS-400 Dispenser Refill, Disposable

Features & Benefits

Feature

PATENTED NO-ROLL DESIGN Insertion is fast and easy, delivering instant protection upon proper insertion. **SOUND MANAGEMENT** Uniform attenuation profile blocks loud noise while voice and other higher frequencies can be heard more naturally. **SMALLER DIAMETER** Eliminates that “plugged up” feeling in your ear canal. **SMOOTH OUTER SKIN** Thermoplastic Elastomer (TPE) is a great match for the sensitive skin inside your ear canal, delivers long-term comfort.

Benefit

We made the diameter smaller, but packed in more innovation. The result is the patented Matrix, a triumph of hearing protection technology. It promises enhanced communication, safety and compliance. And forget rolling forever. Insertion is fast, and protection is instant upon proper insertion. A revolutionary, super-soft outer skin ensures comfort, and low-pressure foam does away with that plugged-up feeling.

Technical Description

SNR (dB)

29

H (dB)

31

M (dB)

25

L (dB)

22

Attenuation Data

Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	17.6	21.8	26.1	28.7	29.5	34.9	37.2	39.8
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	5.1	4.7	5.4	5.2	5.3	3.8	2.7	4.0
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	12.5	17.1	20.7	23.5	24.2	31.1	34.5	35.8

Size

Fits All

Color

Orange

Shape

Cylinder

Corded

No

Weight (grs)

0.40

Certifications

 E.C. Declaration of Conformity

EC Category PPE

2

Quality Assurance

ISO 9001 / 2000

EC Certificate Number

EC1161

EC Attestation

 EC Attestation

EC Attestation Number

040768

Literature & Documents

 PIC SKU - Pictures

<http://www.honeywellsafety.com/assets/0/324/500/51887/17de1b000aa64a09a0da0cd6fbee6a91.jpg>

Maintenance

Life Cycle

These plugs must be disposed of and replaced after each wearing.

Storage Information

All earplugs should be stored before and between usages in a way that protects them from dirt, grease, and other contaminants.

Care Instructions

Disposable earplugs are made of either TPE (Thermoplastic elastomers) or polyurethane foam. Washing and cleaning of disposable earplugs are not recommended. These plugs must be disposed of and replaced after each wearing. Excessive moisture reduces the attenuation and slows down the foam recovery which may lead to improper fit.

Packaging

EAN Code

033552014386

EC TYPE-EXAMINATION CERTIFICATE: 1161


Product description: - Hearing Protection - Disposable Ear-Plugs

Product identification: - MATRIX/Green Foam - corded and uncorded
MATRIX/Orange Foam - corded and uncorded
MATRIX/Blue Foam - corded and uncorded
Sizes 9 and 10

Manufacturer: - Sperian Hearing Protection LLC
7828 Waterville Road
San Diego
CA 92154
USA

When assessed and examined against harmonised standard EN352-2:2002 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised EU Representative: - Sperian Protection Europe
Immeuble Edison - ZI Paris Nord II
33 Rue des Vanesses, BP55288
95958 Roissy CDG Cedex
France

Signed  Date: 23rd October 2003

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd.
56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ
England (Notified Body No: 0194)

certificate invalid
if not embossed

For terms and conditions of issue, see page 2

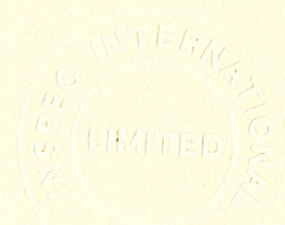
Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|--|
| i) | Test Reports | - | INSPEC 03.10.51, 04.07.68, 04.12.59 |
| ii) | Technical File | - | TF/1161 |
| iii) | Test and Inspection Plan | - | Howard Leight Industries Test and Inspection Plan dated 10/13/2004 |

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.



CERTIFICATION INDEX

Item	Status	Issued	Amendment
Page 1 of 2	Withdrawn		
Page 2 of 2	Withdrawn		
Page 2 of 2 (Amendment ONE)	Withdrawn	12/8/04	To add test report 04.07.68
Page 1 of 2 (Amendment ONE)	Withdrawn	12/8/04	To add model MATRIX Blue
Page 2 of 2 (Amendment TWO)	Withdrawn	12/1/05	To add test report 04.12.59
Page 2 of 2 (Amendment TWO)	Valid	02/07/08	Name change to SPERIAN





E.C. Declaration of Conformity

The manufacturer or its legal representative supplier in the European Community:

Honeywell Safety Products Europe

Declares that the Personal Protective Equipment described here after conforms to the provisions of the European Council Directive 89/686/CEE:

Designation: Matrix ORANGE LS-400 Refill

Reference: 1013042

Standard(s): EN 352-2:2002

This PPE is the object of the below EC examination certificate n°:

EC1161

Delivered by:

INSPEC

56 Leslie Hough Way

Salford

M6 6AJ

Greater Manchester

United Kingdom

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Drawn up in France, on the 20/05/2016

By:

Division: Hearing Protection

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