



PRODUCT NUMBER: 1012522
Smartfit Detectable

[Learn more about our products at howardleight.com](http://howardleight.com)

>

[Learn more about hearing conservation at hearforever.org](http://hearforever.org) >



Overview

Reference Number

1012522

Product Type

Hearing Protection

Range

Earplugs

Line

Detectable 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

Multi-Use earplug Metal detection for the Food Industry

50 pair / box, polybag

Features & Benefits

Feature

CONFORMING MATERIAL TECHNOLOGY™ Thermoplastic Elastomer (TPE) adapts plug to the contours of the ear canal for a more personalized fit, feels better the longer you wear it. VISUAL AND METAL DETECTION Detectable ring on stem and attached metalized cord detectable by automated equipment, while blue color aids in visual detection. IDEAL FOR PROCESS INDUSTRIES Pulp & paper, food/beverage processing, tobacco.

Benefit

Ears are like people — each one unique and different. That’s what makes SmartFit Detectable such a marvel of user-friendly design. The only multiple-use earplug with Conforming Material Technology™ SmartFit Detectable uses body heat to adapt to the shape of the ear canal for a comfortable, personalized fit. Designed for process industries such as food and pulp/paper, SmartFit Detectable’s bright blue color and metalized features aid can be detected by visual or automated methods. It’s the ultra-smart choice for today’s diverse workplace.

Technical Description

SNR (dB)

30

H (dB)

32

M (dB)

27

L (dB)

23

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)	30.9	31.4	28.8	32.5	33.8	35.6	39.3	41.9
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	6.2	7.3	8.9	8.1	7.3	4.3	6.0	5.0
Assumed Protection (dB) Angenommener (dB) Protection supposé (dB)	24.7	24.1	19.9	24.4	26.5	31.3	33.3	36.9

Size

Fits All

Color

Blue

Shape

flange

Corded

Yes

Weight (grs)

0.89

Design Patents

Metal Detectable Earplug

Certifications

 E.C. Declaration of Conformity

EC Category PPE

2

Quality Assurance

ISO 9001 / 2000

EC Certificate Number

1134

EC Attestation

 EC Attestation

EC Attestation Number

03.06.49, 04.08.09, 04.09.50

Additional Information

User Manual

Instruction Manual - SmartFit Detectable

Maintenance

Life Cycle

We recommend replacement every 2-4 weeks.

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

Our reusable earplugs may be washed in warm water and allowed to air dry. Washing may be repeated several times, but we recommend replacement every 2-4 weeks. Hydrocarbon based solvents, such as alcohol, should not be used to clean reusable ear plugs. The use of such solvent based cleaners may cause reusable plugs to soften, swell, and weaken with time. Additionally, with extended use, reusable plugs must be regularly inspected for serviceability.

Packaging

EAN Code

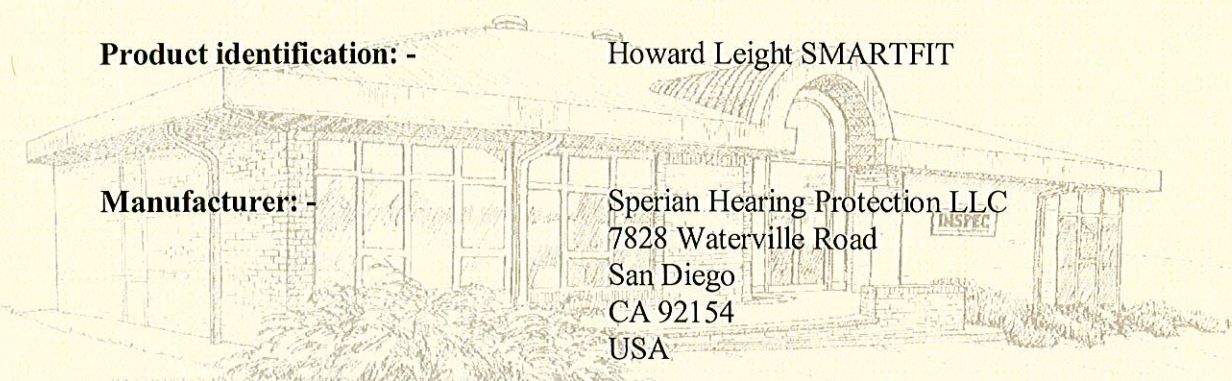
033552014522

EC TYPE-EXAMINATION CERTIFICATE: 1134

Product description: - Hearing Protection – Re-usable Ear-plug

Product identification: - Howard Leight SMARTFIT

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: 10th 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)



For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|-------------------------------------|
| i) | Test Reports | - | INSPEC 03.06.49, 04.08.09, 04.09.50 |
| ii) | Technical File | - | TF/1134 |
| iii) | Test and Inspection Plan | - | SMF EARPLUG-SMARTFIT, RAW 8/1/03 |

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 1 of 2(Amendment ONE)	Withdrawn		
Page 2 of 2(Amendment ONE)	Withdrawn		
Page 1 of 2(Amendment TWO)	Withdrawn	5/10/04	To add Model Smartfit blue detectable with PVC cord
Page 2 of 2(Amendment TWO)	Withdrawn	5/10/04	Add test report 04.09.50
Page 1 to 4	Valid	24/11/08	Name change to SPERIAN



CERTIFICATION SCHEDULE

Model: SMARTFIT
 SMARTFIT Orange / Cotton Cord
 SMARTFIT Blue / Nylon Cord
 SMARTFIT Blue, Detectable plus PVC cord

Description: Re-usable earplug

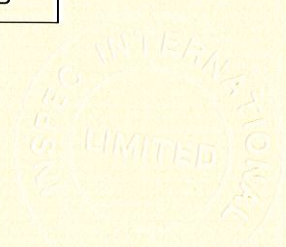
Size Range: 6 – 12mm

Attenuation Data - corded

Freq. (Hz)	125	250	500	1000	2000	4000	8000
Mean att. (dB)	19.5	21.1	22.0	21.4	27.4	31.2	35.7
Std. Dev. (dB)	12.2	10.8	9.9	9.6	8.4	8.5	11.3
APV (dB)	7.6	10.8	12.1	11.8	19.0	22.7	25.4
H = 32dB		M = 27dB		L = 23dB		SNR = 30dB	

Attenuation Data - uncorded

Freq. (Hz)	125	250	500	1000	2000	4000	8000
Mean att. (dB)	20.4	20.8	22.4	25.2	30.4	33.4	37.8
Std. Dev. (dB)	8.0	9.3	9.0	8.6	5.9	7.5	8.0
APV (dB)	12.4	11.5	13.4	16.6	24.5	25.8	29.8
H = 32dB		M = 27dB		L = 23dB		SNR = 30dB	





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: Smartfit Detectable

Reference: 1012522

Standard(s): EN 352-2:2002

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

1134

Delivered by:

INSPEC

56 Leslie Hough Way

Salford

M6 6AJ

Greater Manchester

United Kingdom

+44 (0)12 96 68 29 66

Drawn up in France, on the 14/07/2016

By:

Division: Hearing Protection

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