

# EU Type Examination Certificate

This is to certify that:

3M United Kingdom Plc  
3M Centre  
Cain Road  
Bracknell  
RG12 8HT  
United Kingdom

Holds Certificate Number:

CE 773233

In respect of:

**Personal hearing protection to EN 352-2:2020 - Earplugs**  
**Models: E-A-R™ UltraFit™, E-A-R™ Tracers™, E-A-R™ UltraFit™ X,**  
**1261, 1271, Tri-Flange™**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified  
Body for the above Regulation  
(Notified Body Number 2797):

Drs. Dave Hagenaaars, Managing Director

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 1 of 7



# EU Type Examination Certificate

No. CE 773233

## Product Specification

**Product Name:** 3M™ Re-usable Earplugs

**Product Type:** Hearing Protectors – Earplugs

**Model:** E-A-R™ UltraFit™ (corded or uncorded)  
E-A-R™ Tracers™ (corded)  
E-A-R™ UltraFit™ X (corded)  
1261 (uncorded)  
1271 (corded)  
Tri-Flange™ (corded)

**Technical Specification:** Harmonized European Standard EN 352-2:2020

**Product Description:** These earplugs are designed to be inserted into the ear canal to protect against hazardous noise and loud sounds.

**EN 352-2 Classifications:** Re-usable

First Issued: 2022-10-14  
Latest Issue: 2022-10-14

Effective Date: 2022-10-14  
Expiry Date: 2027-10-13

Page: 2 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.

# EU Type Examination Certificate

No. CE 773233

**Model:** UltraFit (corded or uncorded) and Tracers (corded)

## Attenuation Values

Test Frequency f (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation Value MV (dB)	26.8	27.0	26.3	27.7	28.7	32.0	37.8	41.1
Standard Deviation SD (dB)	3.7	4.9	4.2	4.5	4.4	3.7	4.5	4.4
Assumed Protection Value APV <sub>f</sub> (dB) (APV <sub>f</sub> = MV-SD)	23.1	22.1	22.1	23.2	24.3	28.3	33.3	36.7

## High, Medium and Low Frequency Attenuation Values and Single Number Rating

Value	MV (dB)	SD (dB)	APV (dB)
High Frequency Attenuation Value (H)	32.4	2.7	30
Medium Frequency Attenuation Value (M)	28.9	3.5	25
Low Frequency Attenuation Value (L)	27.3	3.6	24
Single Number Rating (SNR)	31.5	3.0	29

## Sizing

**Nominal Diameter:** Smallest – 7 mm    Largest – 12 mm

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 3 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.

# EU Type Examination Certificate

No. CE 773233

**Model:** UltraFit X (corded)

## Attenuation Values

Test Frequency f (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation Value MV (dB)	31.4	32.1	31.4	34.9	38.8	36.6	41.3	41.8
Standard Deviation SD (dB)	2.7	3.3	5.2	6.1	6.0	5.4	5.3	5.3
Assumed Protection Value APV <sub>f</sub> (dB) (APV <sub>f</sub> = MV-SD)	28.7	28.8	26.2	28.8	32.8	31.2	36.0	36.5

## High, Medium and Low Frequency Attenuation Values and Single Number Rating

Value	MV (dB)	SD (dB)	APV (dB)
High Frequency Attenuation Value (H)	37.1	4.3	33
Medium Frequency Attenuation Value (M)	35.9	4.9	31
Low Frequency Attenuation Value (L)	33.4	4.6	29
Single Number Rating (SNR)	37.3	4.4	33

## Sizing

**Nominal Diameter:** Smallest – 7 mm    Largest – 11 mm

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 4 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.

# EU Type Examination Certificate

No. CE 773233

**Model:** 1261 (uncorded) and 1271 (corded)

## Attenuation values

Test Frequency f (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation Value MV (dB)	28.8	27.9	25.6	28.0	26.4	30.1	34.5	38.8
Standard Deviation SD (dB)	5.3	4.5	5.5	5.5	4.6	6.0	5.5	3.9
Assumed Protection Value APV <sub>f</sub> (dB) (APV <sub>f</sub> = MV-SD)	23.5	23.4	20.1	22.5	21.8	24.1	29.0	34.9

## High, Medium and Low Frequency Attenuation Values and Single Number Rating

Value	MV (dB)	SD (dB)	APV (dB)
High Frequency Attenuation Value (H)	30.1	4.3	26
Medium Frequency Attenuation Value (M)	27.2	4.3	23
Low Frequency Attenuation Value (L)	26.5	4.6	22
Single Number Rating (SNR)	29.8	4.2	26

## Sizing

**Nominal Diameter:** Smallest – 7 mm    Largest – 14 mm

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 5 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.

# EU Type Examination Certificate

No. CE 773233

**Model:** Tri-Flange (corded)

## Attenuation values

Test Frequency f (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation Value MV (dB)	29.1	28.4	28.1	29.3	33.9	33.6	36.8	41.7
Standard Deviation SD (dB)	5.5	4.3	5.0	6.6	4.5	5.8	4.7	6.3
Assumed Protection Value APV <sub>f</sub> (dB) (APV <sub>f</sub> = MV-SD)	23.6	24.1	23.1	22.7	29.4	27.8	32.1	35.4

## High, Medium and Low Frequency Attenuation Values and Single Number Rating

Value	MV (dB)	SD (dB)	APV (dB)
High Frequency Attenuation Value (H)	34.0	4.2	30
Medium Frequency Attenuation Value (M)	31.4	4.4	27
Low Frequency Attenuation Value (L)	29.2	4.5	25
Single Number Rating (SNR)	33.4	4.1	29

## Sizing

**Nominal Diameter:** Smallest – 7 mm    Largest – 12 mm

## Packaged variants

In addition to the products referenced on this Certificate the standard industrial products may also be sold as market specific packaged variants. Such variants will be differentiated, and the Technical File(s) will be updated with the appropriate information.

## Kits and packouts

The products referenced on this Certificate may also be combined with other 3M products into a kit or packout. There will be no change to the product, but the User Information may vary, in such instances the applicable Technical File(s) will be updated with the appropriate information.

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 6 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.

# EU Type Examination Certificate

No. CE 773233

## Certificate Administration Details

### Technical File References:

Item	Technical File
3M™ Re-usable Earplugs	TF0688

### Certificate Amendment Record:

Issue date	Comments	BSI Review No.
October 2022	First issue	2797:22:3701454

### Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate CE 595701.

First Issued: 2022-10-14

Latest Issue: 2022-10-14

Effective Date: 2022-10-14

Expiry Date: 2027-10-13

Page: 7 of 7

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.  
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands  
A member of BSI Group of Companies.