

Wir hören uns.



AUDIA

PRODUCT CATALOGUE

EAR AND HEARING PROTECTION COLLECTION.





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SAFE AND COMFORTABLE HEARING AND EAR PROTECTION

AUDIA AKUSTIK is individually adapted to noise and hearing protection, allowing for optimal protection of the hearing in any noise environment. The acoustic signals that are important for the customer remain perceptible and harmful noise is effectively reduced. This way, your customers, whether at work or at play, can live life to the full – without any risk to their hearing.

SUPPLY PROCESS AND SELECTION CRITERIA

INFORMATION AND GUIDELINES FOR AUDIOLOGISTS.

1. DEMAND

- PERSONS EXPOSED TO NOISE
- EMPLOYERS, WHERE APPROPRIATE
- OCCUPATIONAL HEALTH, WHERE APPROPRIATE
- COMPANY DOCTORS, WHERE APPROPRIATE

2. INFORMATION REQUIRED

- Sound pressure level (level of exposure to noise)
- Frequency spectrum (composition of sound/noise class)
- Nature of exposure (constant or repeated brief exposure)
- Environmental and usage conditions (air humidity, temperature, air pollution, physical stresses/strains, directional hearing)
- Medical aspects (hearing loss, special anatomical features)
- Signal hearing and/or speech intelligibility required
- Compatibility with other protective equipment

3. SELECTION

- PERSONS EXPOSED TO NOISE
- SUPPLIER
- MANUFACTURER
- EMPLOYERS, WHERE APPROPRIATE
- OCCUPATIONAL HEALTH, WHERE APPROPRIATE
- COMPANY DOCTORS, WHERE APPROPRIATE

9.1 CARE

- SUPPLIER
- OCCUPATIONAL HEALTH, WHERE APPROPRIATE
- COMPANY DOCTORS, WHERE APPROPRIATE

8.1 AFTERCARE

- Regularly repeated functional testing
- Regular monitoring of condition

9.2 SAFE USE

- PERSONS EXPOSED TO NOISE

8.2 PRACTICAL APPLICATION

- Consistent use when noise present
- Routine handling
- Appropriate care

8.3 AFTERCARE

- Feedback of results of functional testing
- Correction of deficiencies

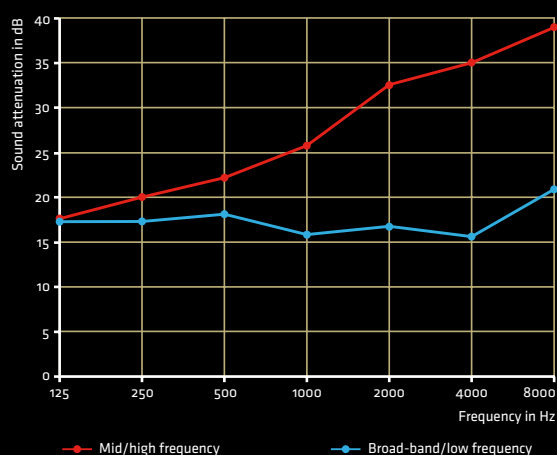
9.3 QUALITY MONITORING

- MANUFACTURER

7. DISTRIBUTION/ADAPTATION

- PERSONS EXPOSED TO NOISE
- SUPPLIER
- OCCUPATIONAL HEALTH, WHERE APPROPRIATE
- COMPANY DOCTORS, WHERE APPROPRIATE

Attenuation characteristics (sample attenuation graphs)



4. SELECTION CRITERIA

- Attenuation value
- Nature of attenuation (mid/high frequency or broad bandwidth/low frequency)
- Type of hearing protector (mass-produced capsule/earplug or individual earmould)
- PPE approval (CE type approval)
- Resilience/cleanability (material, geometry)
- Markings for signal perception/speech intelligibility
- Haptic/mechanical properties (e.g. handle, cord)

6. ONGOING CONFORMITY

- CE marking
- Access to documents required (declaration of conformity)
- Provision of instructions for use (Notes on risks, usage and cleaning)
- Manufacturer's mark on the PPE
- Brand name of the PPE
- Performance of a functional test

5. ORDERING/PRODUCTION

- SUPPLIER
- MANUFACTURER



www.audia-akustik.de/psa
All information and documents on the subject are available on our website.

FEATURES

› EASY ACCESS THROUGH YOUR BROWSER

› EASY TO USE

› PERSONAL SETTINGS

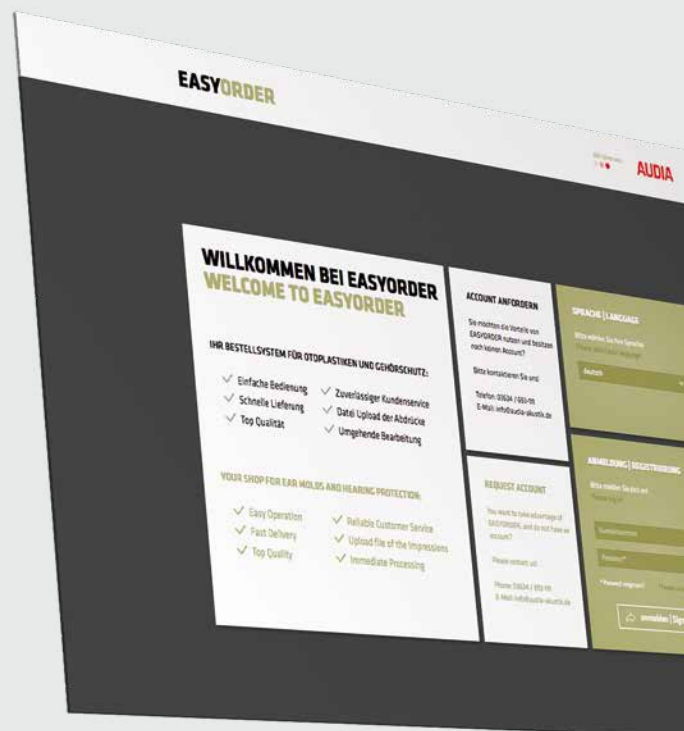
› ALL ORDERS IN ONE OVERVIEW

› INFO HELP DESK

› INTEGRATION INTO YOUR MERCHANDISE MANAGEMENT

› UPDATES ENSURE THEY ARE ALWAYS STATE-OF-THE-ART

› EAR IMPRESSIONS CAN BE POSTED OR SCANNED



IT'S SO EASY.

**THE EASYORDER USER-FRIENDLY ORDER SYSTEM FOR
EARMOULDs, HEARING PROTECTION AND HEADPHONES.**



SIMPLE AND QUICK – NO PREVIOUS KNOWLEDGE REQUIRED. HEARING PROTECTION IS JUST A FEW CLICKS AWAY.

The user-friendly system guides you through your order step by step. In the order overview, you can see all your orders in full view, including status tracking. EASYORDER gets your high-quality hearing protectors to you more quickly. You can send your ear impressions electronically or by post. It is also easy for you to incorporate EASYORDER into your merchandise management system, for example AMPAREX or ASEGO.

The login details for EASYORDER can be obtained from the AUDIA Customer Service Team on +49 (0) 3634 / 693 111. Using these, you can simply sign up at easyorder.audia-akustik.de. You can save your default requests in Settings and find out more about the functions of EASYORDER in the Help section.



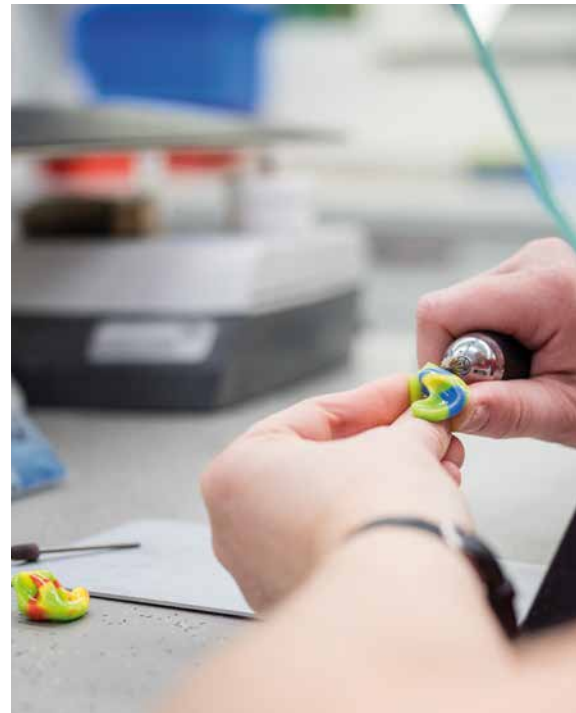
EASYORDER introductory video

Scan the QR code and take a look at the new interface and the dynamic smart order form on our YouTube channel.



easyorder.audia-akustik.de

Scan the QR code and sign up directly to EASYORDER with your login details.



WITH THE LATEST TECHNOLOGY FOR BEST POSSIBLE HEARING PROTECTION.



We only accept the best when it comes to the production of our earmoulds, which guarantees that they are pleasant to touch and look at. Many years of technical expertise go hand in hand with state-of-the-art CAD/CAM technology.

Our training centre provides theoretical and practical content about our ear protection range and PPE regulations.

EPRO-X.S

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE
PRODUCTS FOR ANY SITUATION.

ePRO-X.S

The innovative ePRO-X.S earplugs are individually manufactured with a comfortable, soft material. They stand out when it comes to their optimal wearing comfort and superior insulating properties. Their core component is the durable, replaceable filter element made of stainless steel. The earmoulds are also fitted with an ancillary sound channel, allowing for the connection of additional products. If the channel is not used, it is sealed with a sealing plug.

Five different filter elements, made of high-precision, durable stainless steel, allow the earplugs to be adjusted to different noise ranges and applications (1 to 5 coded rings for visual differentiation).



18 canal-style insulating earmould

CE
EN 352

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	AUDIASOFT AS 70
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTERS	5 DIFFERENT, REPLACEABLE FILTER ELEMENTS
INCLUDES	AUDIA SOFT CASE, CARE GEL, USER MANUAL, SIDE MARKING, ADDITIONAL SOUND CHANNEL WITH SEALING PLUG
OPTIONS	HANDLE, WHITE CORD, COLLAR CLIP, ENGRAVING
APPLICATION	INDUSTRY, MANUAL WORK, HOBBIES, MOTOR SPORTS ETC.



X 5M



X 4M



X 3M



X 2M



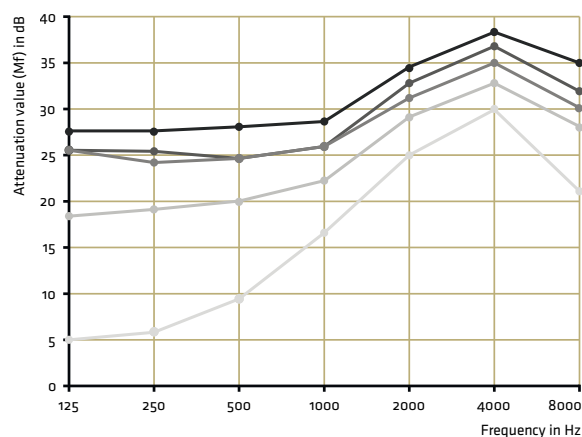
X 1M*

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)

***Attention:** With the X 1M filter, the ePRO-X.S earmoulds do not constitute personal protective equipment, as the filter does not meet the minimum attenuation requirements of EN352-2. They should therefore be used for comfort purposes only, e.g. in the event of intrusive background noise.

Attenuation characteristics (determined in type examination according to EN 352-2):



— X 5M — X 4M — X 3M — X 2M — X 1M*

X 5M	SNR: 30 L: 25, M: 26, H: 30 Signals: S, V, W, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	27.8	27.5	28.0	28.5	34.4	38.2	34.8
	Sf (dB)	3.6	4.2	3.4	3.0	4.0	4.7	5.6
	APV (dB)	24.2	23.3	24.6	25.5	30.4	33.5	29.2

X 4M	SNR: 27 L: 22, M: 23, H: 27 Signals: S, V, W, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	25.2	25.2	24.6	25.5	32.3	36.7	31.8
	Sf (dB)	4.9	3.0	3.2	3.6	2.8	4.7	6.9
	APV (dB)	20.3	22.2	21.4	21.9	29.5	32.0	24.9

X 3M	SNR: 25 L: 21, M: 22, H: 27 Signals: S, V, W, X, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	25.4	24.2	24.3	25.5	31.0	35.0	29.9
	Sf (dB)	3.9	4.2	4.9	4.8	3.0	3.8	4.3
	APV (dB)	21.5	20.0	19.4	20.7	28.0	31.2	25.6

X 2M	SNR: 23 L: 17, M: 20, H: 25 Signal: W							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	18.1	19.2	20.3	22.5	28.9	33.0	28.1
	Sf (dB)	4.5	2.9	3.5	2.8	4.2	3.5	4.9
	APV (dB)	13.6	16.3	16.8	19.7	24.7	29.5	23.2

X 1M*	SNR: 13 L: 3, M: 9, H: 19 Signals: -							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	5.3	6.1	9.1	16.6	25.3	30.3	20.8
	Sf (dB)	5.1	6.7	4.0	2.7	3.8	2.3	2.9
	APV (dB)	0.2	-0.6	5.1	13.9	21.5	28.0	17.9

Note: Please refer to the overview on pages 24-25 for the item numbers of replacement filters and accessories.

EPRO-X.A

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE
PRODUCTS FOR ANY SITUATION.

ePRO-X.A

The innovative ePRO-X.A earmoulds are individually manufactured with a hard, dirt-repellent material. They stand out for their optimal wearing comfort and superior insulating properties. A central, durable filter element made of stainless steel and a special holding system for straightforward filter changing complement the overall package.

Five different filter elements, made of high-precision, durable stainless steel, allow the earplugs to be adjusted to different noise ranges and applications (1 to 5 coded rings for visual differentiation).

DESIGN 18 CANAL-STYLE INSULATING
EARMOULD, 19 CONCHA
INSULATING EARMOULD

MATERIAL FOTOTEC®

COLOURS TRANSPARENT PINK

FILTERS 5 DIFFERENT, REPLACEABLE
FILTER ELEMENTS

INCLUDES AUDIA SOFT CASE, CARE GEL,
USER MANUAL, SIDE MARKING
OPTIONS HANDLE, WHITE CORD, COLLAR
CLIP, ENGRAVING

APPLICATION INDUSTRY, MANUAL WORK,
HOBBIES, MOTOR SPORTS ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)

***Attention:** With the X 1M filter, the ePRO-X.S earmoulds do not constitute personal protective equipment, as the filter does not meet the minimum attenuation requirements of EN352-2. They should therefore be used for comfort purposes only, e.g. in the event of intrusive background noise.



18 canal-style insulating earmould



19 concha insulating earmould



X 5M



X 4M



X 3M

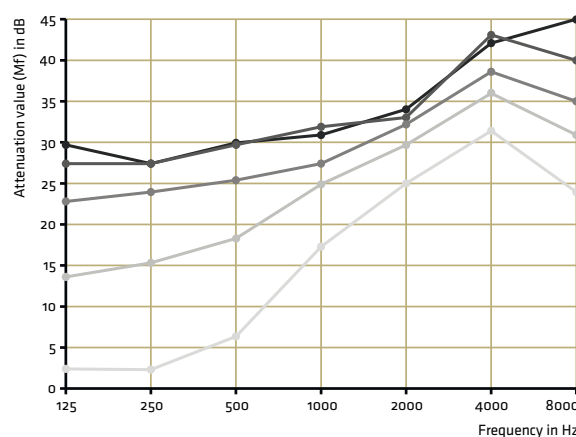


X 2M



X 1M*

Attenuation characteristics (determined in type examination according to EN 352-2):



SNR: 32 L: 26, M: 28, H: 33 Signals: W, S, E								
X 5M	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	29.4	27.3	30.1	31.1	33.9	41.8	45.0
	Sf (dB)	4.3	3.8	4.2	3.2	3.3	2.2	2.9
	APV (dB)	25.1	23.5	25.9	27.9	30.6	39.6	42.1

SNR: 30 L: 25, M: 27, H: 31 Signals: W, S, E								
X 4M	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	27.5	27.2	29.7	31.9	33.3	42.4	39.8
	Sf (dB)	4.4	4.2	4.5	5.6	3.6	3.6	4.3
	APV (dB)	23.1	23.0	25.2	26.3	29.7	38.8	35.5

SNR: 28 L: 22, M: 25, H: 30 Signals: W, S, E								
X 3M	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	23.0	23.8	25.4	27.6	32.6	38.8	34.9
	Sf (dB)	4.2	4.4	3.3	2.6	3.7	3.8	4.2
	APV (dB)	18.8	19.4	22.1	25.0	28.9	35.0	30.7

SNR: 23 L: 14, M: 20, H: 27 Signals: -								
X 2M	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	13.6	15.4	18.3	24.7	29.5	36.1	31.1
	Sf (dB)	4.5	3.1	2.2	1.9	3.1	3.9	6.2
	APV (dB)	9.1	12.3	16.1	22.8	26.4	32.2	24.9

SNR: 11 L: 2, M: 7, H: 18 Signals: -								
X 1M*	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	2.5	2.3	6.2	17.0	24.7	31.6	24.2
	Sf (dB)	2.8	3.3	4.5	4.0	3.2	3.4	6.9
	APV (dB)	-0.3	-1	1.7	13.0	21.5	28.2	17.3

Note: Please refer to the overview on pages 24-25 for the item numbers of replacement filters and accessories.

EPRO-STOP.S

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE PRODUCTS
FOR ANY SITUATION.

EPRO-STOP.S

The customised ePRO-STOP.S earmould is available in a soft material. Its outstanding feature is its comfort in use and its strong, broadband attenuation (with no filter element).

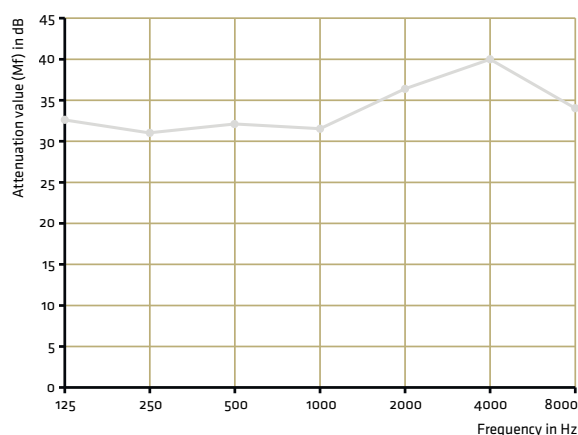


ePRO-STOP.S

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	AUDIASOFT AS 70
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
INCLUDES	AUDIA PROTECTION CASE, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, HANDLE, WHITE CORD, COLLAR CLIP, DETECTOR BALL, ENGRAVING
APPLICATION	INDUSTRY, MANUAL WORK, HOBBIES, MOTOR SPORTS ETC.

CE
EN 352

Attenuation characteristics (determined in type examination according to EN 352-2):



—●— EPRO-STOP.S

The hearing protection has been tested in accordance with EN352-2 and meets the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment.

You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)

EPRO-STOP.S	SNR: 33 L: 29, M: 30, H: 33 Signals: W, S, V, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	32.7	31.4	32.3	32.0	36.4	39.7	33.7
	Sf (dB)	4.7	3.8	2.9	2.9	2.6	3.8	4.1
	APV (dB)	28.0	27.6	29.4	29.1	33.8	35.9	29.6

ALPINE®

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE PRODUCTS
FOR ANY SITUATION.

ALPINE®

Alpine® earmoulds are available in a hard or soft material and are fitted with a special filter element for optimal attenuation.

Three different plastic filter elements enable adjustment of the earplugs to different noise ranges and applications (in different colours for visual differentiation):

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	FOTOTEC®, AUDIASOFT AS 40
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTER	3 DIFFERENT FILTER ELEMENTS
INCLUDES	AUDIA PROTECTION CASE, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, HANDLE, CORD, COLLAR CLIP, DETECTOR BALL, ENGRAVING
APPLICATION	INDUSTRY, MANUAL WORK, HOBBIES, MOTOR SPORTS ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

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Alpine® hard



Alpine® soft



F10 (hard)



F10 (soft)



F8 (hard)



F8 (soft)

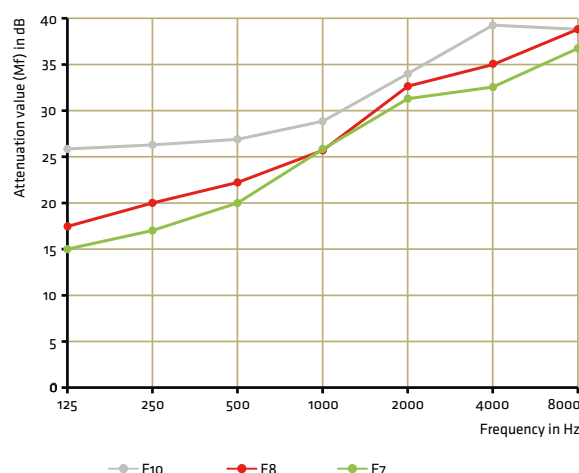


F7 (hard)



F7 (soft)

Attenuation characteristics (determined in type examination according to EN 352-2):



SNR: 26 L: 20, M: 22, H: 28 Signals: W, S								
F10	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	25.8	26.2	26.9	28.8	34.0	39.3	39.0
	Sf (dB)	7.7	7.4	6.8	8.3	4.4	6.0	7.7
	APV (dB)	18.1	18.8	20.1	20.5	29.6	33.3	31.3

SNR: 25 L: 17, M: 21, H: 28 Signals: -								
F8	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	17.8	19.7	22.2	26.0	32.8	35.4	39.1
	Sf (dB)	5.0	5.0	4.1	5.5	3.5	3.6	6.6
	APV (dB)	12.8	14.7	18.1	20.5	29.3	31.8	32.5

SNR: 23 L: 14, M: 19, H: 27 Signals: -								
F7	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	15.1	16.9	20.2	26.2	31.6	32.8	36.8
	Sf (dB)	6.2	5.7	4.4	4.3	4.7	5.2	5.0
	APV (dB)	8.9	11.2	15.8	21.9	26.9	27.6	31.8

ELACIN® CH

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE PRODUCTS FOR ANY SITUATION.

ELACIN® CH

The Elacin® CH earmoulds are individually manufactured with a soft material and come with a special noise protection filter. Therefore, they provide an ideal combination of maximum wearing comfort and optimum protection. The special mini grip design with a flexible, ring-shaped handle is especially suited for use under a helmet and was initially developed for the motorcycle squad of the Dutch traffic police.

Four different high-quality plastic filter elements enable adjustment of the earplugs to different noise ranges and applications (in different colours for visual differentiation). The filters are easy to change and also have a coloured side marking (red/blue). **Attention:** As a different sound channel diameter is required for the CH30 filter, the earpiece must be re-manufactured when changing to this filter or from this to another filter.

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	FLEXFIT 60 SHORE (FF 60)
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTERS	4 DIFFERENT, REPLACEABLE FILTER ELEMENTS
INCLUDES	AUDIA PROTECTION CASE, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, HANDLE, CORD, MINI GRIP, COLLAR CLIP, DETECTOR BALL, ENGRAVING
APPLICATION	INDUSTRY, MANUAL WORK, HOBBIES, MOTOR SPORTS ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

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18 canal-style insulating earmould



18 earplug with handle



18 earplug with mini grip

CE
EN 352



CH30



CH28

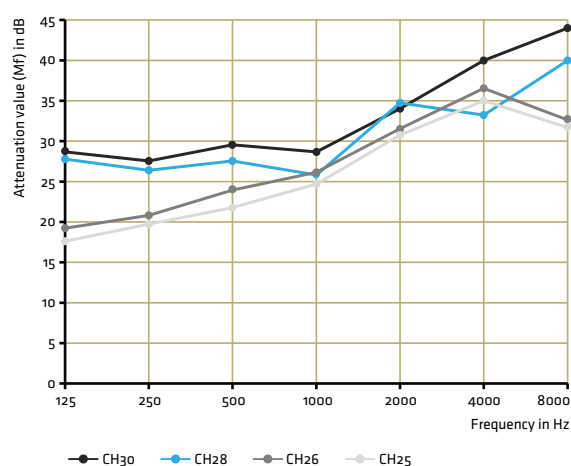


CH26



CH25

Attenuation characteristics (determined in type examination according to EN 352-2):



CH30	SNR: 30 L: 25, M: 27, H: 31 Signals: W, S, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	29.1	27.5	29.6	28.3	34.0	40.2	44.0
	Sf (dB)	3.8	3.9	3.7	3.5	2.9	3.4	5.6
	APV (dB)	25.3	23.6	25.9	24.8	31.1	36.8	38.4

CH28	SNR: 28 L: 24, M: 24, H: 29 Signals: W, X, S, V, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	28.5	26.6	27.7	26.0	34.7	33.4	39.7
	Sf (dB)	4.7	3.6	3.3	3.6	2.6	3.8	5.3
	APV (dB)	23.8	23.0	24.4	22.4	32.1	29.6	34.4

CH26	SNR: 26 L: 20, M: 23, H: 28 Signals: W							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	19.4	20.9	23.8	26.2	31.3	36.5	32.8
	Sf (dB)	4.3	3.3	3.2	3.3	2.8	2.5	4.7
	APV (dB)	15.1	17.6	20.6	22.9	28.5	34.0	28.1

CH25	SNR: 25 L: 19, M: 22, H: 27 Signals: W							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	17.9	19.7	21.9	24.6	30.7	35.0	32.1
	Sf (dB)	3.5	2.3	2.9	3.6	3.3	2.1	3.8
	APV (dB)	14.4	17.4	19.0	21.0	27.4	32.9	28.3

ELACIN® RC

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE
PRODUCTS FOR ANY SITUATION.

ELACIN® RC

The compact Elacin® RC earmoulds are produced in a soft material and have a patented attenuation filter concept, which provides improved transparency at higher frequencies. Thanks to these significantly improved attenuation characteristics, they provide excellent speech intelligibility and perception of working noise and warning signals.

Five different high-quality plastic filter elements enable adjustment of the earplugs to different noise ranges and applications (in different colours for visual differentiation). The filters are easy to change and also have a coloured side marking (red/blue).

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	FLEXFIT 60 SHORE (FF 60)
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTERS	5 DIFFERENT, REPLACEABLE FILTER ELEMENTS
INCLUDES	AUDIA PROTECTION CASE, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, HANDLE, CORD, MINI GRIP, COLLAR CLIP, DETECTOR BALL, ENGRAVING
APPLICATION	INDUSTRY, MANUAL WORK, HOBBIES, MOTOR SPORTS, MUSIC, CONCERTS ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

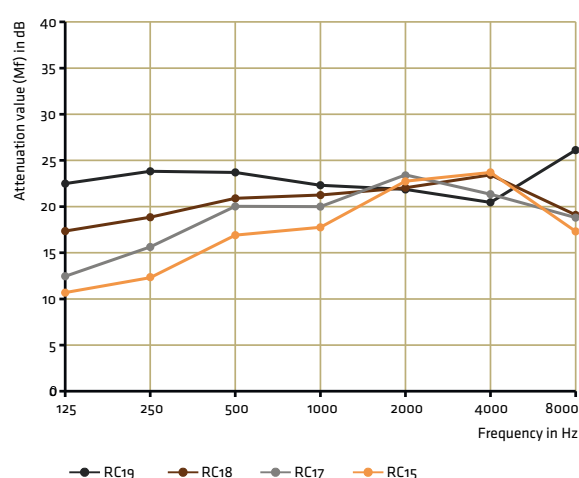
You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)



CE
EN 352



Attenuation characteristics (determined in type examination according to EN 352-2):



RC19	SNR: 20 L: 19, M: 19, H: 18 Signals: W, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	22.4	23.9	23.7	22.5	22.1	20.4	26.2
	Sf (dB)	3.3	4.7	3.9	2.4	2.7	4.0	3.9
	APV (dB)	19.1	19.2	19.8	20.1	19.4	16.4	22.3

RC18	SNR: 19 L: 17, M: 18, H: 17 Signals: W, X, S, V, E							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	17.5	19.1	21.4	21.8	21.9	23.3	19.1
	Sf (dB)	3.0	3.1	3.6	3.4	2.8	4.7	5.1
	APV (dB)	14.5	16.0	17.8	18.4	19.1	18.6	14.0

RC17	SNR: 18 L: 14, M: 17, H: 17 Signals: W, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	12.7	15.6	20.3	19.9	23.5	21.2	18.9
	Sf (dB)	3.2	3.6	3.5	3.2	2.8	4.8	4.6
	APV (dB)	9.5	12.0	16.8	16.7	20.7	16.4	14.3

RC15	SNR: 17 L: 12, M: 15, H: 17 Signals: W							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	10.8	12.8	17.0	17.9	22.9	23.5	17.5
	Sf (dB)	3.5	3.2	3.2	3.4	3.2	3.9	5.2
	APV (dB)	7.3	9.6	13.8	14.5	19.7	19.6	12.3

Note: Please refer to the overview on pages 24-25 for the item numbers of replacement filters and accessories.

ELACIN® ER

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE PRODUCTS
FOR ANY SITUATION.

ELACIN® ER

The Elacin® ER earplugs offer high-end hearing protection for discerning users. They are individually manufactured in a comfortable, soft material. The special membrane filter creates uniform attenuation over the entire frequency range, which preserves natural tones and prevents distortion.

Three different high-quality plastic membrane filters allow the earplugs to be adjusted to different noise ranges and purposes (with the filters marked 9/15/25 for differentiation purposes).

DESIGN	18 CANAL-STYLE INSULATING EARMOULD
MATERIAL	FLEXFIT 60 SHORE (FF 60)
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTERS	THREE DIFFERENT REPLACEABLE FILTER ELEMENTS
INCLUDES	AUDIA SOFT CASE, USER MANUAL, SIDE MARKING
OPTIONS	CORD, ENGRAVING
APPLICATION	MUSIC, CONCERTS, HOBBIES ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)

***Attention:** With the ER9 filter, the Elacin ER earmoulds do not constitute personal protective equipment, as the filter does not meet the minimum attenuation requirements of EN352-2. They should therefore be used for comfort purposes only, e.g. in the event of intrusive background noise.



18 canal-style insulating earmould

CE
EN 352



ER25

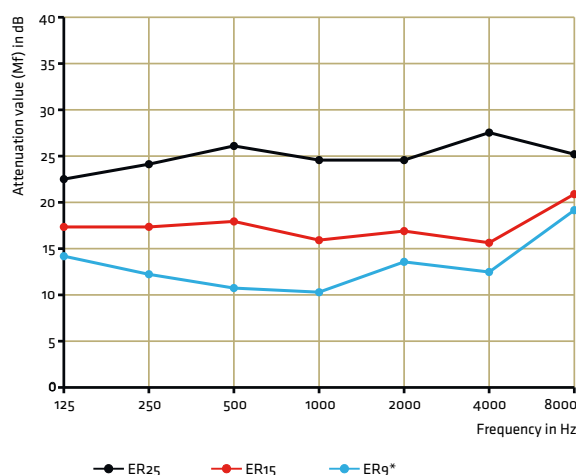


ER15



ER9*

Attenuation characteristics (determined in type examination according to EN 352-2):



ER25	SNR: 23 L: 21, M: 21, H: 22 Signals: W							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	22.6	24.0	26.4	24.4	24.4	27.5	25.4
	Sf (dB)	4.7	4.5	3.9	3.7	3.3	2.3	4.5
	APV (dB)	17.9	19.5	22.5	20.7	21.1	25.2	20.9

ER15	SNR: 16 L: 14, M: 14, H: 14 Signals: W, S, V							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	17.5	17.6	18.0	16.3	17.3	15.8	20.8
	Sf (dB)	3.8	3.0	2.8	2.6	2.6	2.8	3.9
	APV (dB)	13.7	14.6	15.2	13.7	14.7	13.0	16.9

ER9*	SNR: 10 L: 8, M: 8, H: 10 Signals: W, S, V, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	14.3	12.2	10.8	10.3	13.5	12.6	19.2
	Sf (dB)	3.9	2.8	5.0	3.5	3.2	3.4	3.7
	APV (dB)	10.4	9.4	5.8	6.8	10.3	9.2	15.5

DM

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE
PRODUCTS FOR ANY SITUATION.

DM

The DM earplugs are specially developed for musicians and music lovers. They are individually manufactured in a comfortable, soft material. The special small membrane filter creates a linear attenuation across the entire frequency range, which preserves natural sound tone and prevents distortion.

Three different high-quality, plastic membrane filters allow the earplugs to be adjusted to different noise ranges and purposes (in different colours in the interests of visual differentiation).

DESIGN	18 CANAL-STYLE INSULATING EARMOULD, 19 CONCHA INSULATING EARMOULD
MATERIAL	AUDIASOFT 40 SHORE (AS 40)
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 21
FILTERS	THREE DIFFERENT REPLACEABLE FILTER ELEMENTS
INCLUDES	AUDIA PROTECTION CASE, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, HANDLE, CORD, COLLAR CLIP, DETECTOR BALL, ENGRAVING
APPLICATION	MUSIC, CONCERTS, HOBBIES ETC.

The hearing protectors have been tested in accordance with EN352-2 and meet the requirements of PPE Regulation (EU) 2016/425 on personal protective equipment (PPE).

You can find the full declaration of conformity on our website at: www.audia-akustik.de (Downloads)



18 canal-style insulating earmould



19 concha insulating earmould



EN 352



DM black

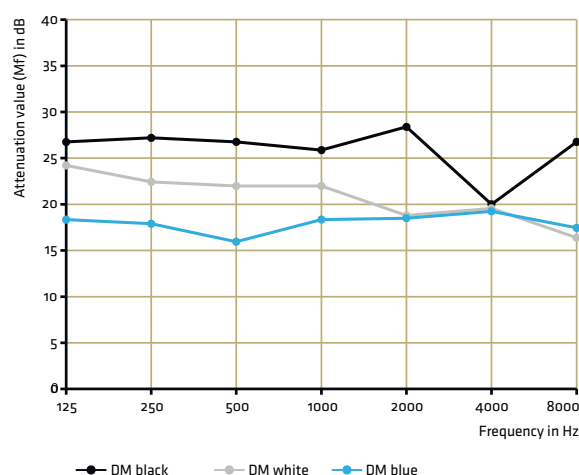


DM white



DM blue

Attenuation characteristics (determined in type examination according to EN 352-2):



DM black	SNR: 23 L: 23, M: 22, H: 21 Signals: W, S, E, V, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	26.7	27.4	26.9	26.3	28.3	20.2	26.7
	Sf (dB)	3.4	3.6	3.7	3.2	3.8	2.6	2.8
	APV (dB)	23.3	23.8	23.2	23.1	24.5	17.6	23.9

DM white	SNR: 18 L: 19, M: 18, H: 15 Signals: W, S, E, V, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	24.3	22.5	22.0	21.9	18.8	19.9	16.6
	Sf (dB)	3.8	2.3	2.7	2.5	4.1	2.5	2.9
	APV (dB)	20.5	20.2	19.3	19.4	14.7	17.4	13.7

DM blue	SNR: 16 L: 14, M: 14, H: 14 Signals: W, S, E, V, X							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	18.4	17.7	15.9	18.1	18.3	19.4	17.5
	Sf (dB)	2.9	2.9	3.3	4.0	4.4	2.5	4.5
	APV (dB)	15.5	14.8	12.6	14.1	13.9	16.9	13.0

SWIM EARMOULDS

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE
PRODUCTS FOR ANY SITUATION.

SWIM PROTECTION*

The customised swim protection earmoulds are made of soft, comfortable, buoyant silicone. They reliably protect the ears from water penetration and splashing when bathing, showering or doing moderate water sports. Available in 15 great colours and two degrees of hardness.

DESIGN	41 SWIM PROTECTION EARMOULDs
MATERIAL	AUDIA SWIM® 25 SHORE, 35 SHORE
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 13
INCLUDES	AUDIA PROTECTION CASE, HANDLE STRIP, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, BATHSAFE, CORD, COLLAR CLIP, ENGRAVING
APPLICATION	BATHING, SHOWERING, MODERATE WATER SPORTS (WARNING: NOT SUITABLE FOR DIVING!)

***Attention:** There is no type examination under EN352-2 for swim protection earmoulds, so the product is not approved as personal protective equipment (PPE). It is therefore suitable only for comfort purposes for private use.

25 SHORE
41 swim protection
moulds



35 SHORE
41 swim protection
moulds



SLEEP PROTECTION

CUSTOMISED PROTECTION FOR THE EAR.

HIGH QUALITY AUDIA PROTECTIVE PRODUCTS FOR ANY SITUATION.

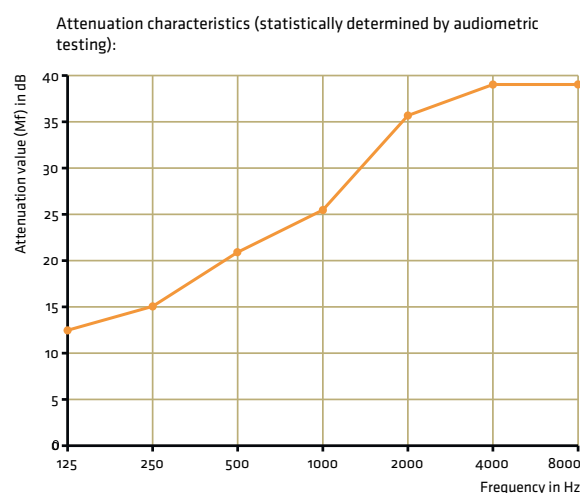
SLEEP PROTECTION*

The customised sleeping earplugs provide reliable attenuation against intrusive noises for a pleasant rest and a good night's sleep. They are very small, delicate and made of especially soft material. They are very comfortable to wear in the ear canal, ensuring that they are convenient to wear even when lying on your side.

DESIGN	17 SLEEP EARPLUGS
MATERIAL	AUDIASOFT 25 SHORE (AS 25), 40 SHORE (AS 40)
COLOURS	FOR THE RANGE OF COLOURS, SEE P. 13
INCLUDES	AUDIA PROTECTION CASE, HANDLE STRIP, USER MANUAL, SIDE MARKING
OPTIONS	AUDIA SOFT CASE, ENGRAVING
APPLICATION	SLEEPING, RELAXING, TRAVELLING



17 sleep earplugs



For easy removal, hold the flexible grip tab between your thumb and forefinger and pull the sleeping earplugs out of your ear canal.




For maximum sleeping comfort, the flexible grip tab simply flexes inwards when lying on your side and is barely visible.



***Attention:** There is no type examination under EN352-2 for sleep earplugs, so the product is not approved as personal protective equipment (PPE). It is therefore suitable only for comfort purposes for private use, e.g. in the event of intrusive background noise.

SLEEP PROTECTION	SNR: - L: -, M: -, H: - Signals: -							
	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mf (dB)	12.4	15.2	21.2	25.5	35.7	38.8	38.6
	Sf (dB)	-	-	-	-	-	-	-
APV (dB)	-	-	-	-	-	-	-	-



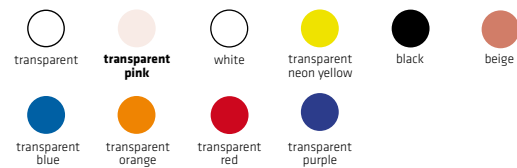
MATERIALS AND COLOURS.

SMALL MATERIALS AND COLOURS SCIENCE.

THE BASIS FOR A WIDE RANGE OF DESIGN OPTIONS.

FOC FOTOTEC®

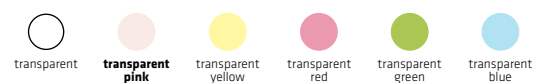
Fototec® is a laser-cured plastic for the production of earmoulds on the basis of 3D printing. It offers many innovative benefits of digital production.



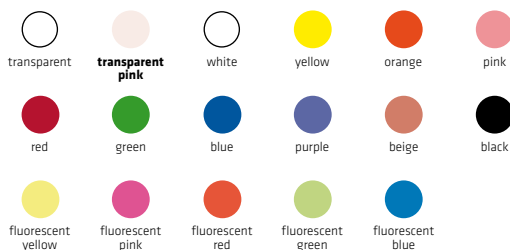
AS AUDIASOFT

Elastic cold-vulcanised silicone in various shore hardnesses, maintains elasticity, very high tear-resistance and sealing effect, non-slip. AS earmoulds are lacquer-coated as standard.

AS 25 AUDIASOFT (ESPECIALLY SOFT 25 SHORE)



AS 40 AUDIASOFT (MEDIUM SOFT 40 SHORE)



AS 70 AUDIASOFT (VISCOPLASTIC 60 SHORE)



FF 60 FLEXFIT 60 SHORE (FOR ELACIN® EARPLUGS)



SW AUDIA-SWIM®

Swim® is super-soft, buoyant silicone. It is specially designed for the requirements of wet environments. 35 Shore and 25 Shore cannot be combined.

SW25 25 SHORE



SW35 35 SHORE



Note: If no colour is selected, we will assume that the order is for the colours shown in bold. Transparent and transparent pink or (for swim earmoulds) beige; not subject to any pricing surcharge.

ORDERING



OPTIONS

FOR OPTIMAL ADJUSTMENT.



LASER MARKING/PERSONALISED LABEL

On request, earplugs can be marked with a customised inscription using a laser, either in black or white. You can customise up to three lines, with the option of using your company logo*, customer name, date, order number etc.**

*To arrange a customised engraving, please contact our Customer Service Team, who will look into this for you. Set-up costs will be incurred.

** If there is insufficient space on the earmould (due to narrow/small auditory canal anatomy or very small design), AUDIA reserves the right to reduce the desired engraving or not to implement it at all without consulting the customer. For small earpieces, engraving is reduced according to the following prioritisation: 1. order number, 2. name, 3. logo, 4. without engraving. This serves to reduce queries and the processing time.



SIDE MARKING

All earplugs are marked with a red (right) or blue (left) dot on the side as standard.



INTEGRATED HANDLE

The handle integrated into the earmoulds allows for easy insertion and removal. With the ELACIN® RC and ELACIN® CH, the mini grip is an optional alternative to the integrated handle.



ELASTIC CORD

The cord is attached to the integral handle on the earmould, to prevent loss of the earplugs during frequent removal and insertion.



COLLAR CLIP

The collar clip is used to attach the elastic cord to the collar.



DETECTOR BALL

The detector ball is a tiny metal ball bearing inserted into the earmoulds and used, for instance, in the food industry. Not necessary for earmoulds with an ePRO-X filter.



AUDIA PROTECTION CASE

For each individual earmould, we supply our AUDIA protection case as standard.



AUDIA SOFT CASE



BATHSAFE

The bathsafe is used for the mobile storage of swim protection earmoulds when bathing and swimming, and can be used at any time as required.



ACCESSORIES

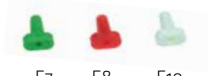
HEARING PROTECTION.

FIT OUT AND REDESIGN HEARING PROTECTORS
AS YOU LIKE.





ePRO-X.S/X.A

FILTER NAME	ITEM NO.		PACKAGING UNIT
ePRO-X 1M	40606		In each case 1 PU = 1 item
ePRO-X 2M	40607		
ePRO-X 3M	40609		
ePRO-X 4M	40610		
ePRO-X 5M	40611		

ALPINE®

FILTER NAME	ITEM NO.		PACKAGING UNIT
Alpine F7 (green) for soft material	21849		In each case 1 PU = 1 item
Alpine F8 (red) for soft material	21850		
Alpine F10 (white) for soft material	21851		
Alpine F7 (green) for hard material	44660		
Alpine F8 (red) for hard material	44661		
Alpine F10 (white) for hard material	44662		

ELACIN® CH

FILTER NAME	ITEM NO.		PACKAGING UNIT
Elacin CH25 left (white-blue)	47463		In each case 1 PU = 1 item
Elacin CH25 right (white-red)	47464		
Elacin CH26 left (grey-blue)	47466		
Elacin CH26 right (grey-red)	47467		
Elacin CH28 left (blue-blue)	47468		
Elacin CH28 right (blue-red)	47469		
Elacin CH30 left (black-blue)	47470		
Elacin CH30 right (black-red)	47471		

ELACIN® RC

FILTER NAME	ITEM NO.		PACKAGING UNIT
Elacin RC15 left (beige-blue)	27885		In each case 1 PU = 1 item
Elacin RC15 right (beige-red)	27886		
Elacin RC17 left (grey-blue)	27887		
Elacin RC17 right (grey-red)	27888		
Elacin RC18 left (brown-blue)	27889		
Elacin RC18 right (brown-red)	27890		
Elacin RC19 left (black-blue)	27891		
Elacin RC19 right (black-red)	27892		

ACCESSORIES

HEARING PROTECTION.

FIT OUT AND REDESIGN HEARING PROTECTORS
AS YOU LIKE.

ELACIN® ER

FILTER NAME	ITEM NO.		PACKAGING UNIT
Elacin ER9 (transparent)	22766		In each case 1 PU = 1 item
Elacin ER15 (transparent)	22754		
Elacin ER25 (transparent)	22767		





ER9 ER15 ER25

DM

FILTER NAME	ITEM NO.		PACKAGING UNIT
DM blue	42016		In each case 1 PU = 1 item
DM white	42017		
DM black	42018		

DM blue DM white DM black

SPECIAL OPTIONS AND EQUIPMENT

NAME	ITEM NO.		PACKAGING UNIT
Black cord, approx. 70 cm	33224		In each case 1 PU = 1 item
Blue cord, approx. 70 cm	47622		
Blue cord for ePRO-X, approx. 80 cm	40743		
Floating cord, 45 cm long	10924		In each case 1 PU = 1 item
- transparent	48816		
- red	48817		
- yellow	48818		
- purple	48819		
- light blue	48820		
- green			
Collar clip	35575		In each case 1 PU = 1 item
AUDIA protection case	39466		
AUDIA soft case	39609		
Bathsafe			In each case 1 PU = 1 item
- white	18450		
- red	18450		
- blue	18450		
- yellow	18450		

EARPLUG SERIES

SIMPLE HEARING PROTECTION.

INDUSTRIALLY PRODUCED HEARING PROTECTORS
FOR OCCASIONAL USE.

ALPINE SLEEPSTOFT®

Alpine SleepSoft® earplugs are made of soft material. The soft filters ensure that intrusive noises are dampened, while for instance a crying baby, your doorbell or the alarm clock can still be clearly heard. The filter material is so flexible that you can even sleep on your side without problems. > SNR 25



ITEM NO. 42026 1 PU = 1 pair

ALPINE PARTYPLUG™

The Alpine Partyplug™ earplugs protect your hearing from excessive music noise. The special Alpine® Acoustic Filters ensure that you can still hear the music sufficiently. The earplugs are made of AlpineThermoShape™ material and fit very comfortably. > SNR 19



ITEM NO. 36494 1 PU = 1 pair

ALPINE SWIMSAFE™

Alpine SwimSafe™ are high-grade swim protection earmoulds with soft, ribbed edges and a built-in filter for pressure equalisation and a comfortable fit. > SNR 10



ITEM NO. 21846

ALPINE FLYFIT®

Alpine FlyFit® is the ideal travel companion whether by car bus, train, boat or plane. Soft, ribbed edges and the built-in UF5 filter ensure you have a relaxing journey. Also tried and tested in aircraft take-off and landing. > SNR 17



ITEM NO. 21845 1 PU = 1 pair

EARPLUG SERIES

SIMPLE HEARING PROTECTION.

INDUSTRIALLY PRODUCED HEARING PROTECTORS
FOR OCCASIONAL USE.

ALPINE PLUGGIES KIDS®

Pluggies Kids® are designed to reduce noise pollution in children's ears. The soft, comfortable earplugs are durable and can be used for a variety of applications. > SNR 25

Suitable for children from 5 to 12 years.

ITEM NO. 41484 1 PU = 1 pair



ALPINE WORKSAFE™

WorkSafe™ hearing protection is ideal for all noisy hobbies, from DIY to gardening. Red filter > SNR 23

ITEM NO. 30588 1 PU = 1 pair



SANOHRA® SWIM*

Sanohra® Swim earmoulds prevent water from entering the ear canal and protect the ears when swimming, bathing or showering. They are made of soft medical plastic, making them easy to use and comfortable to wear. For adults and children.



ITEM NO. 36211 1 PU = 1 pair for adults

ITEM NO. 36212 1 PU = 1 pair for children

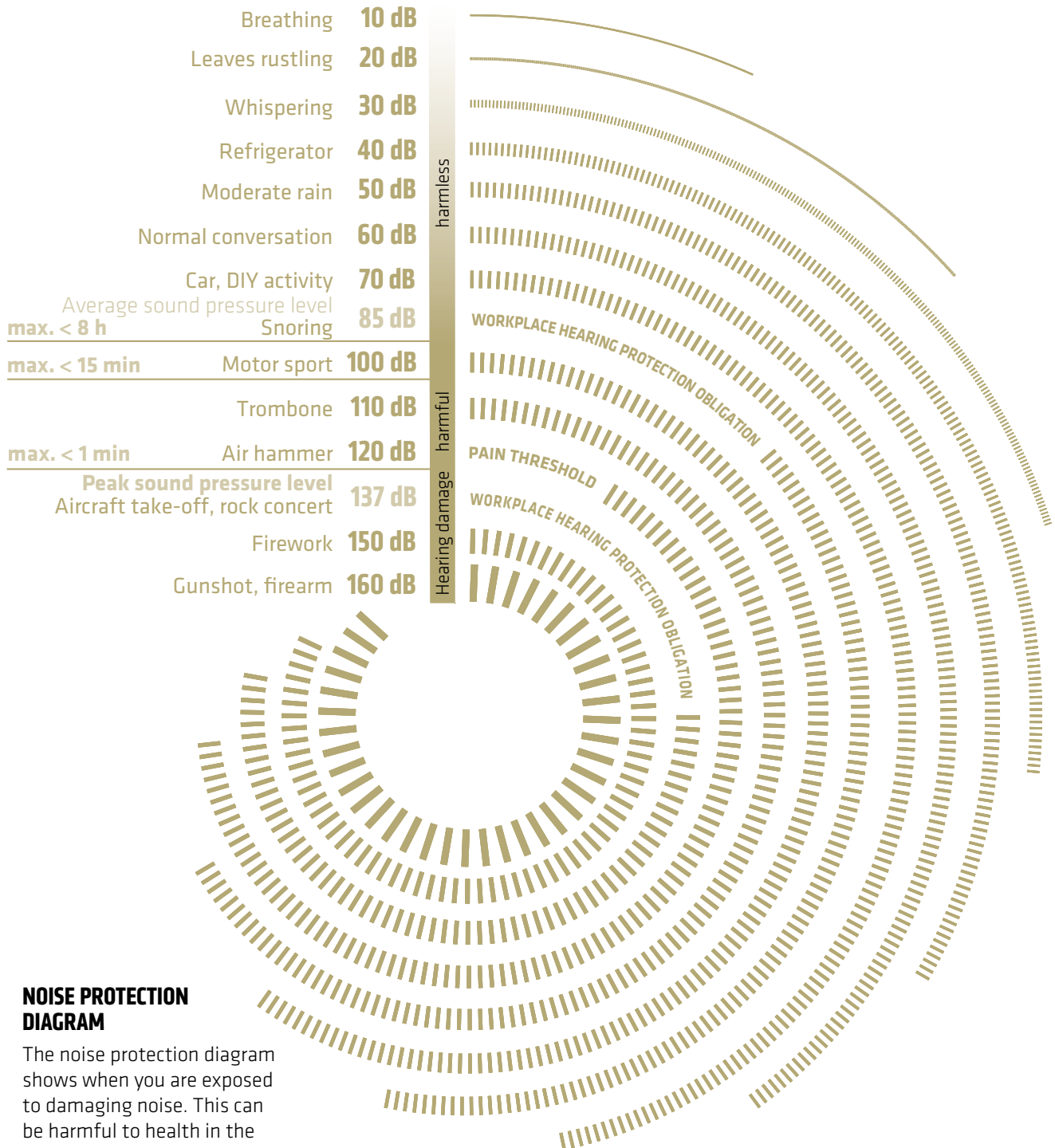
SANOHRA® FLY*

Sanohra® Fly earmoulds slow down and regulate pressure changes in front of the eardrum with the new Air Pressure Control (APC). In this way, Sanohra® Fly earmoulds help the ears adapt to major changes in pressure conditions without causing discomfort. For adults and children.



ITEM NO. 35445 1 PU = 1 pair for adults

ITEM NO. 35446 1 PU = 1 pair for children



NOISE PROTECTION DIAGRAM

The noise protection diagram shows when you are exposed to damaging noise. This can be harmful to health in the long term.

TERMS / KEY

Mf:	Average sound attenuation in dB	W:	range (2000–8000 Hz)
Sf:	Standard deviation of the sound attenuation in dB		Ability to hear warning signals and general informational sounds, speech intelligibility
APV:	Assumed Protection Value in dB ($APV = Mf - Sf$)	X:	Linear insulating hearing protection for people with hearing loss and musicians
SNR:	Single Number Rating – average sound attenuation in dB across the entire frequency range (125–8000 Hz)	S:	Ability to hear signals in railway track superstructure
L:	Average sound attenuation in dB in the low frequency range (125–500 Hz)	V:	Ability to hear signals in road traffic
M:	Average sound attenuation in dB in the medium frequency range (500–2000 Hz)	E:	Ability to hear signals for vehicle and locomotive drivers on railways
H:	Average sound attenuation in dB in the high frequency		