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Solutions to improve the quality of life



Ear muffs "M Series"

The Moldex "M Series" range of ear muffs

- M1 (6100)
- M2 (6200)
- Hygiene kit (6105)

Characteristics

The Moldex "M Series" ear muffs are ideal to protect from intermittent noise - or for those who cannot achieve a safe and comfortable fit with earplugs. Both muffs are made out of SoftCoat® material with exclusive iridescent colours.

All Moldex hearing products have been designed with the user in mind. High levels of comfort have been engineered into the products without compromising the optimal protection.

Construction / Materials

Moldex ear muffs and hygiene kit are made of the following materials:

- M1 (6100): - Cup = Polypropylene, Kraton
- Cup-foam = Polyurethane
- Cushion foam = Polyurethane
- Cushion = Vinyl
- Cup yoke = Polyacetale
- Head band = Steel
- Head band cushion = Polyurethane, Vinyl

- M2 (6200): - Cup = Polypropylene, Kraton
- Cup-foam = Polyurethane
- Cushion foam = Polyurethane
- Cushion = Vinyl
- Head band = Polyacetale

- Weights: M1 (6100): 360 g
- M2 (6200): 288 g

Certification

The Moldex "M Series" range of ear muffs meet the requirements of EN352 and are CE-Marked in accordance with the requirements of European Directive 89/686/EEC.

The BIA in St. Augustin in Germany is the body responsible for type examination (Article 10) of M2 (6200). Ear muff M1 (6100) is certified by FIOH (0403) in Helsinki (Finland).

The products are manufactured in an ISO 9001 certified plant.

Testing

The "M Series" ear muffs have been tested to EN 352 and fulfill all requirements of the relevant categories.

• Ignitability

The ear muffs will not ignite upon application of a heated rod, nor continue to glow after the removal of the heated rod.

• Construction

All parts of the ear muffs are designed and manufactured so that they are not liable to cause physical damage to the wearer when fitted and used according to the instructions.

Attenuation Data

The Moldex "M Series" range of ear muffs passes the EN 352 minimum attenuation requirements set out in the table below. The A.P.V. values (Mf-Sf) of the ear muffs must exceed the data in the table.

Minimum attenuation requirement (dB)								
Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
A.P.V. (dB)	-	5.0	8.0	10.0	12.0	12.0	12.0	12.0

Below is the attenuation data table for ear muff "M1" (6100).

M1 (6100)								
Freq. (Hz)	125	250	500	1000	2000	4000	8000	
Mf (dB)	17,1	21,7	33,1	40,6	34,9	37,0	37,0	
Sf (dB)	2,8	2,7	3,8	3,1	5,4	5,1	5,3	
A.P.V. (dB)	14,3	19,0	29,3	37,5	29,5	31,9	31,7	
Size: S/M/L								SNR = 31 dB H = 31 M = 29 L = 21

The full attenuation data tables for the Moldex ear muff "M2" (6200) is presented below. The "M2" can be worn in three positions. On head, behind neck or under chin in conjunction with head protection.



A - on head



B - under chin



C - behind neck

M2 (6200): A - M2 worn on head								
Freq. (Hz)	125	250	500	1000	2000	4000	8000	
Mf (dB)	12,8	20,8	28,0	35,2	34,1	36,8	36,5	
Sf (dB)	3,7	3,0	2,9	4,2	4,2	3,2	7,1	
A.P.V. (dB)	9,1	17,8	25,1	31,0	29,9	33,6	29,4	
Size: M/L								SNR = 28 dB H = 31 M = 26 L = 17

M2 (6200): B - M2 under chin								
Freq. (Hz)	125	250	500	1000	2000	4000	8000	
Mf (dB)	14,4	22,4	29,4	34,8	36,3	39,5	40,7	
Sf (dB)	4,9	3,9	3,1	2,3	3,6	3,3	2,6	
A.P.V. (dB)	9,5	18,5	26,3	32,5	32,7	36,2	38,1	
Size: M/L								SNR = 30 dB H = 35 M = 27 L = 17

M2 (6200): C - M2 worn behind neck								
Freq. (Hz)	125	250	500	1000	2000	4000	8000	
Mf (dB)	12,8	20,1	27,2	33,0	34,5	36,8	36,1	
Sf (dB)	4,4	3,5	4,1	3,5	3,8	4,8	5,8	
A.P.V. (dB)	8,4	16,6	23,1	29,5	30,7	32,0	30,3	
Size: M/L								SNR = 27 dB H = 31 M = 25 L = 16

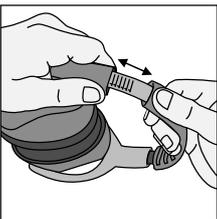
Ear muffs "M Series"

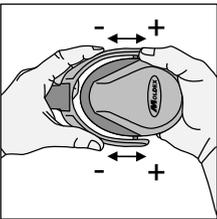
Instructions For Use

- The ear muffs must be used in accordance with the relevant national legislation, and fitted, adjusted and maintained according to the user instructions.
- Warning: Disregarding the user and fitting instructions for these products can affect the product efficiency in protecting against noise.
- Check the ear muffs and cushions before use. Change them if they are damaged.
- Ear muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals, for cracking and leakage for example.
- Products should be stored in a cool, non-contaminated and dry environment. They should not be exposed to direct sunlight or heat.
- The products may be adversely affected by direct contact with certain chemical substances (e.g. aromatic hydrocarbons).
- Ear muffs are reusable provided the hygiene of the product is maintained between uses. Clean with mild soap and water.
- We suggest replacing cushions and inserts from the hygiene kit every 6 months. This will ensure optimum levels of comfort and protection are maintained. The fitting of "hygiene covers" to the cushions may affect the acoustic performance of the ear muffs.

Instructions for fitting: □□ M1 (6100)

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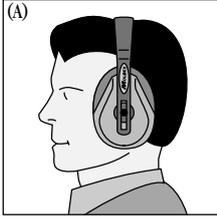
When putting on the ear muff, the headband needs to be positioned in the middle of the head and the cushions need to cover the ears.
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The position of the muff can be changed by moving the headband.
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The cushions must be close to the head. No parts such as glasses sidepieces or headstraps from a respirator must be placed between the head and the pads.

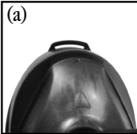
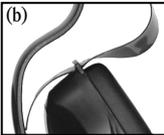
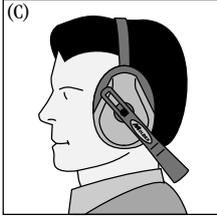
Instructions for fitting: □□ M2 (6200)

Please note: In Conjunction with head protection M2 can be worn under chin (B) or behind neck (C).

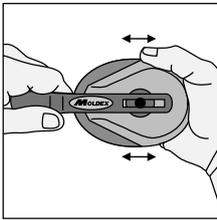
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(A) M2 on head: When putting on the ear muff, the headband needs to be positioned in the middle of the head and the cushions need to cover the ears.
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(B) M2 under chin: When putting on the ear muff with the headband under chin, the black/flexible strap needs to be inserted in the loop on the top of the cups (see: a + b) and position the strap in the middle of the head. The cushions need to cover the ear.



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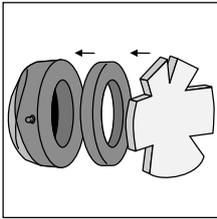
(C) M2 behind neck: When putting on the ear muff with the headband behind neck, the black/flexible strap needs to be inserted in the loop on the top of the cups (see: a + b) and position the strap in the middle of the head. The cushions need to cover the ear.

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The position of the cup can be changed by moving the headband.

If the M2 is worn behind the neck, select the smallest head band size.

Instructions for fitting: □□ Hygiene kit (6105)

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The foam inserts and cushions are detachable and can be replaced by spare parts from the "hygiene kit" (product Number 6105).

INFO: For help on selection and training please contact us. We offer a wide range of training packages and support material.