

Datasheet Earmuffs „M Series“

Protection against noise



Earmuffs



6110 M4
6120 M5
6130 M6

Helmet mounted earmuffs



6140 MX-7

Hygiene Kit



6115 M4
6135 M5, M6, MX-7

Characteristics

The Moldex "M Series" earmuffs are ideal to protect from intermittent noise – or for those who cannot achieve a safe and comfortable fit with earplugs.

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



100% PVC-Free

All Moldex products and packaging are completely free from PVC.

Certification

The Moldex range of hearing protection products meet the requirements of EN 352 and are CE-marked in accordance with the requirements of EU regulation (EU)2016/425.

Responsible for type examination (Module B):

SGS Fimko Ltd. (0598) in in Helsinki (Finland)

Responsible for monitoring of production (Module D):

IFA (0121) in St. Augustin (DE).

The products are manufactured in an ISO 9001 certified plant.

Attenuation Data

The Moldex range of hearing protection products passes the EN 352 minimum attenuation requirements. The tables below show the full attenuation data for Moldex products.

| M4 6110 | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|-------------|------|------|------|--|
| Freq (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR | H | M | L | |
| m_t (dB) | 16.0 | 20.5 | 29.3 | 33.0 | 38.8 | 35.9 | 36.9 | 32.0 | 36.5 | 29.8 | 22.4 | |
| s_t (dB) | 2.7 | 2.8 | 3.0 | 2.4 | 2.6 | 3.5 | 3.3 | 1.8 | 2.0 | 1.9 | 2.2 | |
| APV _f (dB) | 13.3 | 17.8 | 26.4 | 30.6 | 36.2 | 32.5 | 33.7 | 30 | 35.0 | 28.0 | 20.0 | |
| Size: S/M/L | | | | | | | | SNR = 30 dB | | | | |

| M5 6120 | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|-------------|------|------|------|--|
| Freq (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR | H | M | L | |
| m_t (dB) | 20.7 | 23.8 | 32.5 | 38.9 | 41.2 | 42.9 | 42.9 | 36.1 | 41.2 | 33.7 | 26.3 | |
| s_t (dB) | 3.0 | 3.2 | 3.3 | 3.1 | 2.7 | 3.3 | 3.6 | 2.2 | 1.7 | 2.5 | 2.6 | |
| APV _f (dB) | 17.3 | 20.5 | 29.2 | 35.9 | 38.5 | 39.6 | 39.3 | 34 | 39.0 | 31.0 | 24.0 | |
| Size: S/M/L | | | | | | | | SNR = 34 dB | | | | |

| M6 6130 | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|-------------|------|------|------|--|
| Freq (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR | H | M | L | |
| m_t (dB) | 21.3 | 25.0 | 33.9 | 39.5 | 42.1 | 43.7 | 41.7 | 37.1 | 41.7 | 34.8 | 27.4 | |
| s_t (dB) | 2.3 | 2.7 | 3.3 | 3.7 | 3.4 | 3.5 | 2.9 | 2.0 | 2.1 | 2.2 | 2.1 | |
| APV _f (dB) | 19.0 | 22.3 | 30.7 | 35.8 | 38.7 | 40.3 | 38.8 | 35 | 40.0 | 33.0 | 25.0 | |
| Size: S/M/L | | | | | | | | SNR = 35 dB | | | | |

| MX-7 6140 | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|-------------|------|------|------|--|
| Freq (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR | H | M | L | |
| m_t (dB) | 16.6 | 22.7 | 28.9 | 36.2 | 36.2 | 40.9 | 36.0 | 33.3 | 37.2 | 31.3 | 23.9 | |
| s_t (dB) | 2.8 | 2.5 | 2.4 | 2.4 | 3.6 | 3.4 | 3.0 | 2.0 | 2.8 | 2.1 | 2.3 | |
| APV _f (dB) | 13.9 | 20.3 | 26.6 | 33.8 | 32.6 | 37.6 | 33.1 | 31 | 34.0 | 29.0 | 22.0 | |
| Size: S/M/L | | | | | | | | SNR = 31 dB | | | | |

m_t = Mean sound attenuation

s_t = Standard deviation

APV_f = Assumed protection value

Materials

| | |
|---------------------------|------------------------|
| Cup: | ABS |
| Cup foam insert: | Polyurethane |
| Cushion: | TPE film, Polyurethane |
| Cup yoke: | POM |
| Head band: | TPE, stainless steel |
| Head band cushion: | EVA |
| Helmet adapter: | POM |

Weight

| | | | |
|-------------------|-------|---------------------|-------|
| M4 (6110): | 260 g | M5 (6120): | 310 g |
| M6 (6130): | 350 g | MX-7 (6140): | 340 g |

Instructions For Use

Fitting M4, M5, M6

M4/M5/M6 Adjust cups [Pic. 1]; Position headband in the middle of head, cups need to cover the ears [Pic. 2]; Size adjustment: pull headband down [Pic. 3]

Fitting MX-7

Insert adapter into hard hat slot until it snaps into place; Pull cups down; Put hard hat on head [Pic. 5] Usage position Press against arm until cup clicks against side of head [Pic. 6]. Cups must enclose ear and seal tightly against head. Adjust position of each cup on wire until you have a tight and comfortable fit [Pic. 7]. Ensure that the cups are not in contact with the edge of hard hat or hat suspension. For best results remove all hair from under cushions. **Stand-by position** Pull cup away from ear until it clicks [Pic. 5] **Parking Position** Cups can be rotated onto the hat for storage [Pic. 8] **Storage and cleaning** Avoid heat, moisture and direct sunlight for storage. Wipe clean with warm water and neutral cleaning agent; disinfect with standard disinfectant products.

Maintenance

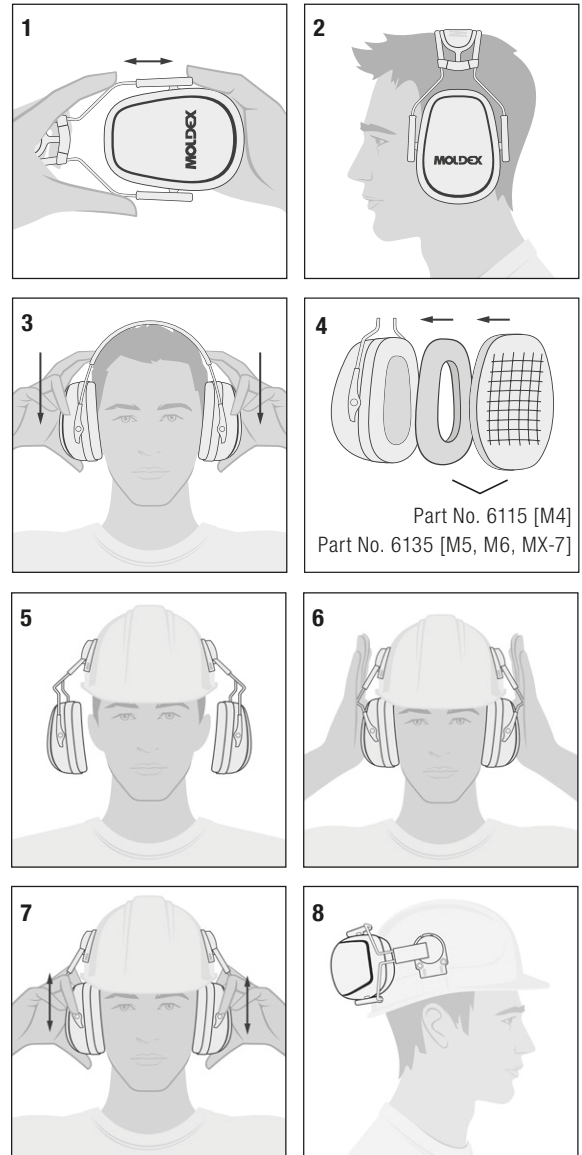
Replace foam inserts and cushions (Part No. 6115 [M4], 6135 [M5, M6, MX-7]) at least twice a year for hygiene and safety. Place the glossy side of the foam against the cup. [Pic. 4].

Important information

- Wear hearing protection at all times in noisy environments.
- This product may be adversely affected by certain chemical substances – seek further information from the manufacturer.
- Fitting of hygiene covers may affect the performance of the product.
- Earmuffs, and in particular cushions, may deteriorate with use. Examine at frequent intervals for cracking and leakage.
- The headband is made of steel and TPE, the cushions of TPE and PU foam, the MX-7 helmet adapter of POM.

Warning

- The Earmuffs must be fitted, adjusted, cleaned and maintained according with these instructions.
- If instructions are not followed the protection provided by the muffs will be severely impaired.
- Helmet mounted earmuffs must be used with the approved helmet combination.



Info

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

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