

WARNING!

IMPROPER FITTING OR MISUSE WILL REDUCE EFFECTIVENESS OF EARPLUGS AND COULD RESULT IN HEARING LOSS OR INJURY

The molding process involves heating your molds and forming them to your ears. DO NOT PLACE THE HOT MOLD INTO YOUR EAR. Wait until the mold is warm and pliable. Test thoroughly in progressively louder environments. Wear hearing protection at all times that you are exposed to loud noise. The filter should reduce ambient volume slightly, you can test this by talking loudly. You should be able to hear your voice clearly, but at a reduced volume, and the noises around you should not sound as loud.

If at any time you feel your hearing protection is not providing adequate protection, remove yourself from the loud environment immediately.

Remove any piercings in the concha of the ear as the piercings may become fixed to the molding material. It is important that the ear tip seals correctly to achieve the designed attenuation level.

Please note that by itself the filters are not hearing protection. These filters will only provide you with the indicated damping if they are correctly placed in our Custom Molds and used with the canal tips.

We advise that you read the fitting instructions carefully before placing in your ear. Molds must be molded properly for maximum effectiveness.



CAUTION:
CHOKING
HAZARD

Keep away from children. Parts are nontoxic but may interfere with breathing if caught in windpipe.

WHAT IS INCLUDED:



Left and Right Custom Molds



Percussive Filters (in housing)



S, M, L Triple Flange OPEN Silicone Tips* (NRR24)



S, M, L Max Isolation Foam Tips* (Up to NRR 33)



Premium Zipper Carrying Case



Filter Lanyard

MATERIALS NEEDED FOR MOLDING:

L & R Custom Molds
Percussive Filter (in housing)
Silicone Tips
Glass or Ceramic Cups
Kettle or Microwave (to heat water)
Boiling Water
Metal Spoon
Timer
Mirror (recommended)

*Please use correct size silicone tips for molding. After molding, silicone tips may be replaced or exchanged for foam tips. Foam tips provide the highest NRR rating of up to 33. We recommend testing all tips in progressively louder environments to see what tips work best for you. Each ear may require a different size tip than the other. Try all the various sizes and combinations of tips to find the tips that block out the most sound.

CONTACT US

If you have any questions or need additional support please contact us: www.decibullz.com/support

STEP 1

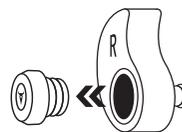


VIDEO INSTRUCTIONS

For best results follow video instructions at www.decibullz.com/percussive-filter-instructions

STEP 2

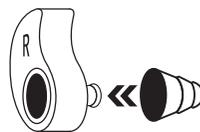
Remove the Percussive Filter (in housing) from the L & R Custom Mold, if necessary



HEAT

STEP 3

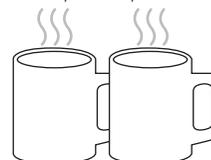
Attach correct size silicone tip to custom mold. DO NOT USE FOAM TIPS FOR MOLDING. You can change the tips after the molding process is complete. Check that the tip is securely attached before molding. If the tip becomes dislodged in the ear canal, seek medical attention.



STEP 4

MICROWAVE

If using the microwave, fill two glass or ceramic cups with 3 to 4 inches of water and bring to a boil. DO NOT PLACE THE MOLD IN THE MICROWAVE WITH THE WATER AND DO NOT USE PAPER, PLASTIC, OR STYROFOAM CUPS.



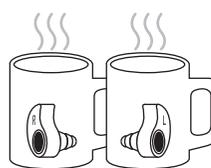
KETTLE

If using a kettle, boil water and fill each cup with 3 to 4 inches of water.



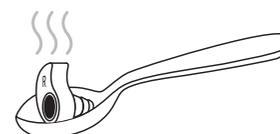
STEP 5

Place ONE mold in each cup. Multiple molds WILL stick together if heated in the same cup. Let molds sit in the hot water for 5 minutes.



STEP 6

Remove one of the molds with a metal spoon and let it cool for 30 seconds. CAUTION: ITEM MAY BE VERY HOT. WAIT AND PROCEED TO STEP 7 WHEN THE MOLD IS WARM AND PLIABLE.



STEP 7

Insert the Percussive Filter (in housing) into the mold



SHAPE

STEP 8

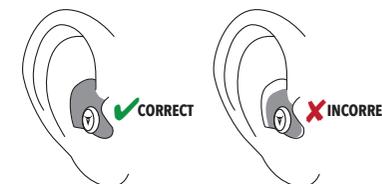
Insert the mold into your ear and firmly press the filter making sure the silicone tip fits snugly into the ear canal.

TIP: Use a mirror to see what you are doing, or have a friend help. To ensure a smooth looking mold, avoid using your finger-nails.



STEP 9

With the pad of your finger, press the mold to fill the concha (bowl) of your ear. If the molding material is not fully softened or you feel the center of the mold is still firm, reheat the mold in hot water.



STEP 10

Let the mold cool for 5 minutes. While you wait, firmly press the filter every 30 seconds or so. Repeat the process for the other ear.



REMOLDING

To re-mold, place the mold back in hot water for 5 minutes, then repeat steps 6-10.

Excessive heat can deform the earplugs. Do not leave in a hot car, direct sunlight, or anywhere with excessive heat.

If, for any reason, you are not satisfied with your product, please contact www.decibullz.com/support before returning.

TESTING YOUR PERCUSSIVE FILTERS

Test thoroughly in progressively louder environments. Wear hearing protection at all times that you are exposed to loud noise.

ALWAYS MAKE SURE EARPLUGS ARE INSERTED CORRECTLY BEFORE USE

Once both filters are fitted, perform the following checks:

- Look in a mirror to make sure that the bowl of the ear is filled and there are no gaps leading towards the ear canal.
- The canal tip should be snug, but not uncomfortable.
- The filter should reduce ambient volume slightly, you can test this by talking loudly. You should be able to hear your voice clearly, but at a reduced volume, and the noises around you should not sound as loud.
- If you are not sure you have inserted the earpiece correctly, or if you feel that you are not getting a complete seal of the ear canal, take it out of your ear and try some of the other tips provided in the box.
- If, after trying the different sizes and styles of tips, you still do not feel the earpieces are fitting correctly or providing a proper seal, then you may need to remold your earpieces.

Always check your custom filters before entering the gun range or any other loud environment.

Be sure that once the filters are in place, that you allow one to two minutes for the foam tips to fully expand and seal the ear canal.

For indoor range use, we recommend doubling up on ear protection.

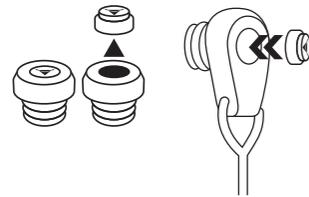
USING WITH FILTER LANYARD

To use Percussive Filters with the Filter Lanyard, follow the steps below.

How to Remove your Filter from the Filter Housing:

Push down on the edges of the filter housing. Once you see the filter start to come out of the filter housing, you will then roll out the filter.

Then, insert the filter, logo side up, into the smooth side of the lanyard. Once the filter is in all the way, the lanyard is ready for use.



HELPFUL TIPS:

Be cautious when removing the filter from the filter housing, as it can fly out.

The filter is a very small piece and can be a choking hazard. Do not remove the filter around small children or pets.

Do not remove the filter over any sinks or any place where it can become lost.

For additional tips, contact us at: www.decibullz.com/support

ENJOY YOUR DECIBULLZ!

The EPA has selected the Noise Reduction Rating as the descriptor of hearing protector effectiveness to be utilized on the labels required by U.S. EPA Regulation 40 CFR Part 211 Subpart B. Decibullz makes no warranties as to the suitability of NRR as a measure of the actual protection afforded to the individual user.

FILTER MOLDING TIPS:

If any part of the mold feels hard or is not pliable during the molding process, simply place the mold back into the hot water for a few minutes to let it fully soften.

Ensure the canal tip is headed in the correct direction of the ear canal.

Then FIRMLY push it into the ear canal (each ear canal goes in a little different direction), then smooth out the molding material while keeping a finger on the filter and with another finger, smoothing the material around the ear.

Also, each ear canal (R and L) can be a different size, what works on one, might not work on the other. Try different tip sizes in each ear if needed. Effective noise isolation is achieved when the tips sit deep in the ear canal.

TIPS FOR GETTING A GOOD FIT:

Have someone help you mold them.

Use a mirror so you can see where you are moving the material.

Start with a silicone tip that is a size smaller than you need. This makes it easier to get into your ear and start molding. After the mold is cooled, swap out the tips for the size you want.

Try not to "over mold"; that is, try not to swipe/spread the material too much. Typically, gently pushing inward and upward works well.

Use the folds or ridges of your ear to help lock the mold in place, but do not mold under the ridges, as it can be uncomfortable.

Ensure everything is lined up right. For most people, the ear canal goes forward (toward the eyes), so angling the earplug forward will help improve fit and sound isolation.

If you have small ears, you can trim the mold down a little with scissors after it is heated. Just snip a little off the top, then place the mold back into the hot water for 1-2 minutes to soften the edges.

If you have large ears, try to create more of a shell than a plug—this helps cover the concha (bowl) of the ear.

FOR BETTER NOISE ISOLATION:

Angle the tip into the direction of the canal as you're pushing the mold into your ears when molding.

Use a bite block while molding—this opens the ear canals and allows the material to get a little deeper.

Mold as instructed and let cool for one minute; then gently press into the ear again and let cool for the full five minutes.

Compress the foam tips to as small as possible, then quickly insert the Percussive Filter into your ear, this will allow the foam to expand in your ear allowing for maximum protection.

When using your Filters, do not enter a loud environment right away. Start in a quiet, low noise environment and slowly increase your noise exposure to make sure your filters are providing adequate protection. You should be able to hear your own voice clearly, but at a reduced volume and the noises around you should be quieter.

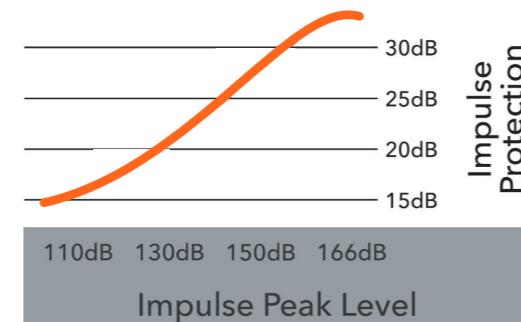
Give Yourself Time to Get Used to Wearing Earpieces

It is recommended that you spend some time with the earpieces in place before entering an environment where they are needed.

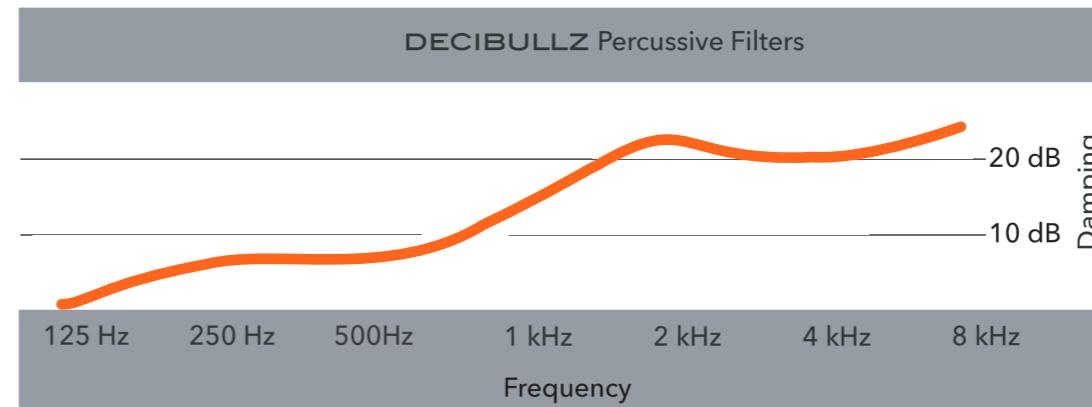
Wear Clean Earpieces

When the foam tips get dirty, replace them with a clean pair. When the silicone tips or molded plastic earpieces get dirty, wash them with mild soap and warm water, then rinse them well. Make sure to remove the filter from the earpiece before washing. Look closely at your earpieces each time you wear them. Examine the Earpieces before putting them in your ears. For both foam and silicone ear tips, if you see a tear or other damage, throw the tips away and get a new pair. CAUTION: Unless you have talked with your physician, do not place anything in your ear canal if there is any drainage from your ear, or, if you have a hole in your eardrum.

DECIBULLZ Percussive Filter



Minimum guaranteed damping level (dB)	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	H	M	L	SNR
DECIBULLZ Percussive Filters	1	6	7	13	22	20	24	19	12	7	15



WHAT ARE DECIBULLZ PERCUSSIVE FILTERS & HOW DO THEY WORK?

Decibullz top rated DIY Thermo-fit Molded Earpieces are combined with state of the art percussive filter technology. Decibullz Custom Molded Percussive Filters protect users from the peak sound pressure of gunshots, artillery fire, and explosions; suppressing them to safe levels and protecting users from potential long-term hearing damage.

Developed for shooting and military use, Decibullz Percussive Filters feature optimum protection from high-level impulse and percussive sounds. The filters are ANSI IPIL certified up to 166 dB. When no damaging noise is present, Decibullz Filters provide a low attenuation which permits voice and ambient noise to be heard. This allows for situational awareness, not available with traditional hearing protection.

Unlike electronic hearing protection, Decibullz Percussive Filters retain sound directionality and spatiality. This is crucial in hunting and combat situations.

The filters also allow air to enter the ear, decreasing ear canal irritation. Its small size in combination with Decibullz Thermo-fit earpieces easily fit under communications headsets and earmuffs and make them ideal for all-day use, with no batteries needed.

DECIBULLZ



PERCUSSIVE FILTER WITH LANYARD