FOAM ROLL DOWN

INSTRUCTIONS FOR USE:

Foam Roll Down earplugs must be fitted and worn correctly to provide effective protection. Consult your supervisor or an audiologist before wearing. Wash or clean hands before use.

1 

ROLL & COMPRESS With clean hands, hold earplug between thumb and forefinger as shown. Roll and progressively compress the entire tapered end of the earplug to a small wrinkle-free cylinder.

2 

INSERT To ensure fitting, reach hand over head and gently pull ear upward and outward as shown. Insert compressed, tapered end of earplug well inside ear canal. Hold 30-60 seconds until earplug expands. Release, then push in again for 5 seconds to ensure fit.

3 

CORRECT FIT When properly inserted, the bottom edge of earplug is located at the opening of the ear canal.

4 

INCORRECT FIT A portion of the earplug not in the ear canal will reduce effectiveness.

5 **USER FIT CHECK** In a noisy environment with earplugs inserted, cup hands over both ears and release. If the earplugs are inserted correctly, you should not notice a significant difference in attenuation. If a proper fit has not been obtained, move to a quiet area and repeat fitting instructions.

6 **EARPLUG REMOVAL** Remove earplug slowly. Use a gentle twisting motion to gradually break the seal. Rapid removal may damage eardrum.

REUSABLE

INSTRUCTIONS FOR USE:

Reusable earplugs must be fitted and worn correctly to provide effective protection. Consult your supervisor or an audiologist before wearing. Wash or clean hands before use.

1 

Reach over the head and pull top of ear upward.

2 

With other hand grasp plug handle and gently push and rock into ear canal until a good seal is made. **CAUTION:** Remove with a slow twisting motion to break the seal. Due to the tight seal, rapid removal may damage eardrum.

GLIDE FOAM AND TRIO

INSTRUCTIONS FOR USE:

Glide Foam and Twist earplugs must be fitted and worn correctly to provide effective protection. Consult your supervisor or an audiologist before wearing. Wash or clean hands before use.

1 

INSERT Reach over the head and pull top of ear upward. With other hand grasp plug handle and gently push and twist into ear canal until a tight and comfortable seal is made.

2 **USER FIT CHECK** In a noisy environment with earplugs inserted, cup hands over both ears and release. If the earplugs are inserted correctly, you should not notice a significant difference in attenuation. If a proper fit has not been obtained, move to a quiet area and repeat fitting instructions.

3 **EARPLUG REMOVAL** Remove earplug slowly. Use a gentle twisting motion to gradually break the seal. Rapid removal may damage eardrum.

4 

TO ATTACH OPTIONAL CORD Form a loop at end of cord, position around groove at base of handle then pull down to lock in place.

FLIP TO LISTEN

INSTRUCTIONS FOR USE:

Flip to Listen earplugs must be fitted and worn correctly to provide effective protection. Consult your supervisor or an audiologist before wearing. Wash or clean hands before use.

IMPORTANT INFORMATION: Training is required. Before first use, practice opening and closing cap while plug is NOT in the ear canal.

CAUTION: Improper fit and failure to wear at all times during exposure to loud noise, will reduce protection and result in hearing loss. Do not use with cap open for protection against hazardous noise levels. Remove slowly by twisting to avoid damage to eardrum. Plugs should be routinely washed with mild soap and warm water.

WARNING - ALWAYS WEAR WITH CAP CLOSED, WHEN USED AGAINST HAZARDOUS NOISE LEVELS. (FIG. 1)

WHEN AWAY FROM HAZARDOUS NOISES AND IMPROVED HEARING IS NEEDED, WEAR WITH CAP OPEN. (FIG. 2)

INSERTING THE EARPLUG (FIG. 3)

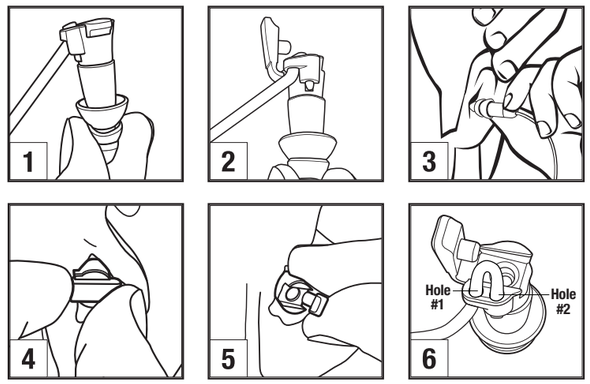
A. With clean hands,reach over the head and pull top of ear upwards.
B. With other hand grasp plug handle and gently push and wiggle into ear canal until a good and comfortable seal is made.

NO NEED TO TAKE PLUG OUT TO OPEN OR CLOSE CAP

C. To open cap,use either thumb or index finger (depending on the orientation of the handle) and gently push out on the cap latch (this may take practice) **(Fig. 4) .**
D. To close cap,use either thumb or index finger (depending on the orientation of the handle) to gently push the cap into the handle until it is fully shut,(this may take practice) **(Fig. 5) .**

CORDING INSTRUCTIONS (FIG. 6)

E.Thread cord through hole #1.
F.Insert tip of cord into hole #2 to lock cord in place.



WARNINGS FOR ALL REUSABLE EARPLUGS:

1. Reusable Earplugs must be fitted and worn correctly to provide effective protection.
2. Reusable earplugs may deteriorate with use and should be examined for cracking or other deformations and replaced as necessary.
3. Wash or clean hands before use. Plugs should be routinely washed with mild soap and warm water.
4. CAUTION: Remove with a slow twisting motion to break the seal. Due to the tight seals, rapid removal may damage eardrum.
5. Use this laboratory-derived attenuation data for comparison purposes only. The amount of protection afforded in field use often is significantly lower depending on how the protectors are fitted and worn.
6. Failure to follow all instructions could result in hearing loss, serious injury or death.
7. Failure to obtain a proper fit will reduce effectiveness of hearing protectors and could result in hearing loss or injury.
8. Reusable Earplugs must only be used as part of a hearing conservation program that complies with applicable local safety and health regulations.
9. Overprotection can be dangerous. The wearer must be able to hear warning signals.
10. Wearers with hearing loss should exercise extreme caution.
11. It is the employer's responsibility to ensure that the type of hearing protector and its NRR is appropriate for the user in their particular workplace.
12. Use caution when working around machinery or any other equipment to ensure neck cord does not become caught or entangled.

WARNINGS FOR ALL FOAM EARPLUGS:

1. Use these laboratory derived attenuation data for comparison purposes only. The amount of protection afforded in field use often is significantly lower depending upon how the protectors are fitted and worn.
2. Failure to follow all instructions could result in hearing loss, serious injury or death.
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4. Over protection can be dangerous. The wearer must be able to hear warning signals.
5. Wearers with hearing loss should exercise extreme caution.
6. It is the employer's responsibility to ensure that the type of hearing protector and its rating is appropriate for the user in their particular workplace.
7. Use caution when working around machinery or any other equipment to ensure neck cord does not become caught or entangled.
8. Earplugs must only be used as part of a hearing conservation program that complies with applicable local safety and health regulations.
9. If irritation, redness or discomfort occurs, discontinue use and consult a licensed health practitioner.

BATTLEPLUGS

INSTRUCTIONS FOR USE:

BattlePlugs earplugs must be fitted and worn correctly to provide effective protection. Consult your supervisor or an audiologist before wearing. Wash or clean hands before use.

To select proper size tip choose the largest size that allows all flanges to fit comfortably inside the ear canal for a good seal.

IMPORTANT INFORMATION

When cap is open, this earplug can be used to reduce impulse noises, such as gunfire, while also allowing you to hear low level noise. In closed cap position it can be used to help protect against continuous and impulse noises. Training is required. Before first use, practice opening and closing cap while plug is NOT in the ear canal.

CAUTION: Improper fit and failure to wear at all times during exposure to loud noise, will reduce protection and result in hearing loss. Impulse noise will be louder with cap open than closed. Do not use with cap open during continuous high hazardous noise. Remove slowly by twisting to avoid damage to eardrum.

FOR USE AGAINST CONTINUOUS NOISE ALWAYS WEAR WITH CAP CLOSED (FIG. 1)

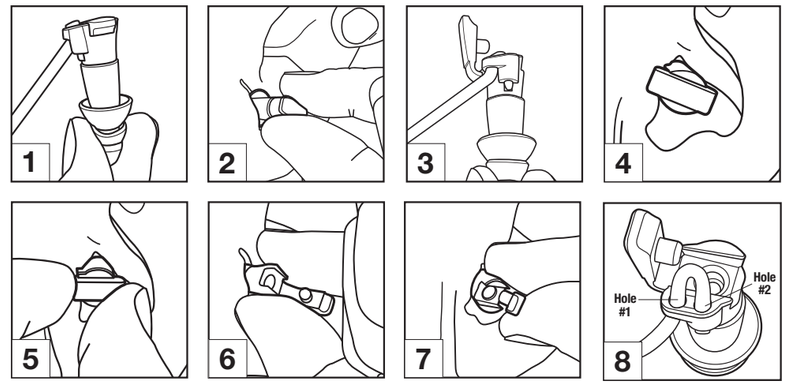
A. Before inserting plug check to see that cap is fully closed shut **(Fig 1).**
B. Reach over the head and pull top of ear upwards **(Fig 2).**
C. With other hand grasp plug handle and gently push and wiggle into ear canal until a good and comfortable seal is made.

FOR USE AGAINST IMPULSE NOISE WHEN HEARING OTHER SOUNDS/ COMMUNICATION IS ALSO NEEDED, WEAR WITH CAP OPEN (FIG. 3)

D. If plug is already being worn with cap closed, you do not need to take plug out to open cap **(Fig 4).**
E. To open cap, depending on the orientation of the handle, use either your thumb or index finger to gently push out on the cap latch while resting the other on the hinge, (this may take practice) **(Fig 5).**
F. To insert plug with cap open, reach over the head and pull top of ear upwards **(Fig 6).**
G. With other hand grasp plug handle and gently push and wiggle into the ear canal until plug is resealed and comfortable.

CLOSING CAP WITH PLUG IN EAR.

H. To close cap you do not need to take plug out.
I. Depending on the orientation of the handle, use either your thumb or index finger to gently push the cap into the handle until it is fully shut, (this may take practice) **(Fig 7).**
J. Ensure that cord does not interfere with the hinged cap fully closing. Failure to close the hinged cap completely may result in reduced noise attenuation. **(Fig 7).**



CORDING INSTRUCTIONS (FIG. 8)

K. Step 1: Thread cord through hole #1.
Step 2: Insert tip of cord into hole #2 to lock cord in place.

CLEANING & INSPECTION

Wash with soap and water only, and dry thoroughly before re-wearing. Keep filter hole in tip and handle free of earwax, dirt and dust. Confirm filter holes are clear by holding plug up to light source. If you cannot see light shining through filter holes rewash and check again. If unable to clear filter holes, replace earplugs. Inspect plugs for any tears or damage each time they are worn and replace immediately if necessary.

TIP REPLACEMENT

Pull off old plug tip. Perform CLEANING & INSPECTION as described above. Slide on new plug tip and make sure that the bottom of plug tip makes contact with the base of the plug insert.

INFORMATION REQUIRED BY EPA: "The level of noise entering a person's ear, when a hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR."

EXAMPLE:

"1. The environmental noise level as measured at the ear is 92 dBA.
2. The NRR is 33 decibels (dB).
3. The level of noise entering the ear is approximately equal to [92 dB(A) -33] 59dB(A)."

CAUTION: "For noise environments dominated by frequencies below 500 Hz the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fit. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire."

MOLDEX ATTENUATION DATA FOR DISPOSABLE AND REUSABLE EARPLUGS

FOAM ROLL DOWN

SPARKPLUGS®/SPARKPLUGS® METAL DETECTABLE GOIN' GREEN®/SOFTIES®/CAMO PLUGS

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	42.3	43.7	46.6	40.9	38.6	44.7	46.9	49.3	48.3	NRR 33	CSA AL
Standard Deviation (dB)	5.0	6.0	5.8	4.2	2.8	3.2	3.3	4.2	3.6		

PURA-FIT®

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	42.4	43.5	45.9	39.8	36.8	44.5	46.6	48.1	47.4	NRR 33	CSA AL
Standard Deviation (dB)	4.9	4.2	4.9	3.4	2.0	3.7	2.9	4.6	4.7		

SOOTHERS™

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	37.5	36.7	42.2	40.3	39.3	42.3	44.6	46.6	45.9	NRR 33	CSA AL
Standard Deviation (dB)	5.5	4.4	3.5	3.2	2.8	3.0	3.1	2.8	2.8		

METEORS®/METEORS®, SMALL

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
REGULAR	Mean Attenuation (dB)	40.7	42.3	41.8	41.2	39.4	45.9	46.3	47.4	47.4	NRR 33	CSA AL
	Standard Deviation (dB)	5.2	5.1	4.5	3.5	3.2	3.8	4.3	3.8	4.3		
SMALL	Mean Attenuation (dB)	30.2	34.0	35.7	35.6	37.3	41.1	43.1	45.5	43.4	NRR 28	CSA AL
	Standard Deviation (dB)	5.0	5.0	4.2	3.5	3.1	5.6	5.5	5.3	4.4		

MELLOWS®

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	26.2	32.3	41.0	37.8	38.3	47.3	47.7	48.0	45.7	NRR 30	CSA AL
Standard Deviation (dB)	3.4	4.0	4.4	3.7	2.5	4.6	3.4	3.5	4.3		

REUSABLE

ROCKETS®

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	34.3	35.3	36.8	34.7	35.5	40.5	37.5	40.3	44.4	NRR 27	CSA AL
Standard Deviation (dB)	4.1	4.4	5.1	3.1	3.4	3.7	3.8	6.2	3.8		

JETZ®

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	33.7	30.1	38.3	35.8	35.0	38.7	38.3	41.8	42.7	NRR 27	CSA AL
Standard Deviation (dB)	5.3	4.2	4.6	2.8	3.0	4.2	3.7	5.0	5.5		

COMETS® UNCORDED

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	32.1	31.1	33.0	30.3	35.0	32.6	35.0	41.5	41.7	NRR 25	CSA BL
Standard Deviation (dB)	4.1	4.3	3.3	2.7	4.1	3.3	2.1	3.8	2.6		

COMETS® CORDED

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	32.4	31.4	32.3	29.5	33.7	37.2	37.8	43.0	44.9	NRR 25	CSA BL
Standard Deviation (dB)	3.2	3.0	3.1	2.9	3.5	4.3	4.4	3.9	5.0		

GLIDE

GLIDE® FOAM

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	31.7	32.2	36.1	37.8	40.9	42.7	41.2	46.2	48.0	NRR 30	CSA AL
Standard Deviation (dB)	5.2	3.5	4.4	3.3	3.2	2.2	3.0	4.1	4.3		

GLIDE® TRIO

ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	34.4	32.5	35.9	40.7	38.7	39.4	38.8	41.0	46.0	NRR 27	CSA AL
Standard Deviation (dB)	4.9	4.3	4.4	5.2	4.4	5.1	5.5	6.5	4.5		

FLIP TO LISTEN®

CAP CLOSED
ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	33.2	28.3	33.9	30.7	35.7	38.6	35.7	30.6	35.2	NRR 24	CSA BL
Standard Deviation (dB)	5.3	5.1	4.4	4.0	2.6	4.3	3.7	2.9	3.0		

CAP OPEN
ATTENUATION DATA
Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Attenuation (dB)	2.8	-0.2	4.3	14.6	25.1	29.2	22.9	26.7	24.6	NRR 4	CSA C
Standard Deviation (dB)	2.6	1.7	2.9	2.5	4.9	2.8	3.4	3.3	4.0		

BATTLEPLUGS®

CAP CLOSED – PASSIVE NOISE LEVELS - X-SMALL, SMALL, MEDIUM, LARGE

ATTENUATION DATA
Test According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
X-SMALL 6496	Mean Attenuation (dB)	33.0	30.0	34.5	33.4	35.0	33.9	25.0	24.4	28.1	NRR 20	CSA BL
	Standard Deviation (dB)	3.9	4.1	3.4	5.1	3.7	4.1	3.6	4.5	4.7		
SMALL 6497	Mean Attenuation (dB)	34.2	30.6	36.1	34.5	35.8	36.4	30.4	26.0	30.0	NRR 24	CSA BL
	Standard Deviation (dB)	3.7	3.7	4.2	3.9	3.4	3.2	3.1	2.5	3.7		
MEDIUM 6498	Mean Attenuation (dB)	31.3	27.0	34.2	30.7	36.1	40.9	34.1	31.1	32.3	NRR 24	CSA BL
	Standard Deviation (dB)	4.8	4.2	4.9	3.3	3.7	4.1	3.2	2.7	3.5		
LARGE 6499	Standard Deviation (dB)	35.3	29.4	33.3	31.3	34.4	39.0	33.3	31.8	32.1	NRR 24	CSA BL
	Mean Attenuation (dB)	3.4	2.9	3.7	3.7	3.8	4.4	3.7	4.0	3.5		

CAP OPEN – PASSIVE NOISE LEVELS - X-SMALL, SMALL, MEDIUM, LARGE

ATTENUATION DATA
Test According to ANSI Specs S3.19-1974 Michael & Assoc., State College, PA.

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
X-SMALL 6496	Mean Attenuation (dB)	9.8	8.1	13.0	20.9	28.4	29.1	22.6	20.4	23.6	NRR 10	CSA C
	Standard Deviation (dB)	4.3	2.2	2.9	4.8	4.3	3.8	3.9	2.8	3.3		
SMALL 6497	Mean Attenuation (dB)	8.4	8.8	15.1	25.0	29.7	29.9	29.2	22.9	26.6	NRR 12	CSA C
	Standard Deviation (dB)	3.0	2.5	3.7	3.9	3.7	4.2	3.5	2.7	3.8		
MEDIUM 6498	Mean Attenuation (dB)	8.4	8.5	13.7	22.4	30.9	30.5	31.5	26.1	30.2	NRR 9	CSA C
	Standard Deviation (dB)	4.1	3.9	4.8	2.8	3.7	3.6	4.6	3.4	4.9		
LARGE 6499	Standard Deviation (dB)	10.4	9.8	14.1	21.4	28.7	31.2	31.9	30.3	30.0	NRR 12	CSA C
	Mean Attenuation (dB)	3.9	2.9	3.4	2.9	4.2	3.5	4.5	4.1	4.0		

NRR TESTED BY MICHAEL & ASSOCIATES LABORATORY · INDEPENDENTLY TESTED · FULLY ACCREDITED LAB ·

Tested According to ANSI Specs S3.19-1974 by Michael & Assoc., State College, PA.

Keep earplugs away from infants and small children as they may get caught in the windpipe and create a choking hazard.

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