

1,1

America's Hearing Protector











Our Story ...



Thomas A Scanlon

The name "TASCO" stands for Thomas A Scanlon Company and opened for business at the National Safety Congress in 1975 with one three position premium earmuff (T-250), a mid-range neckband muff, a hard hat muff, the T-100 canal-cap hearing protector, and the V51R style military earplug. TASCO manufactured everything but the earplugs.

TASCO grew steadily through the '80's and '90's. One means of rapid volume growth was to O.E.M. (private label) hearing protection devices for the big players that needed a better quality line. Tom chose that route; he did have eight children after all.

Sean Scanlon became President in 1998 and began shifting the business to focus more on building the TASCO Brand. Today, we manufacture more than ten traditional earmuffs, five cap-mounted muffs, six reusable earplugs, foam earplugs, hard hats, and face protection devices. Almost 40 years later, our products are still designed and manufactured with American hands and materials and are distributed worldwide.

All of our products are tested to the legally recognized ANSI Standards at independent, certified laboratories. We guarantee their quality and performance. Please feel free to contact us with your questions, and comments. We look forward to serving you!

TASCO



Sean Thomas Scanlon



Common Noise Levels



OSHA Permissible Exposure Limit - 90 dBA TWA

Hearing protectors required for all	Hours Per Day	8	6	4	3	2	1.5	1	0.5
exposures over these levels:	Sound Level (dBA)	90	92	95	97	100	102	105	110

When is an employer required to provide hearing protectors?

Employers must provide hearing protectors to all workers exposed to 8-hour TWA noise levels of 85 dB or above. This requirement ensures that employees have access to protectors before they experience any hearing loss.

Employees must wear hearing protectors:

- For any period exceeding 6 months from the time they are first exposed to 8-hour TWA noise levels of 85 dB or above, until they receive their baseline audiograms if these tests are delayed due to mobile test van scheduling;
- · If they have incurred standard threshold shifts that demonstrate they are susceptible to noise; and
- If they are exposed to noise over the permissible exposure limit of 90 dB over an 8-hour TWA.

Employers must provide employees with a selection of at least one variety of hearing plug and one variety of hearing muff. Employees should decide, with the help of a person trained to fit hearing protectors, which size and type protector is most suitable for the working environment.

The protector selected should be comfortable to wear and offer sufficient protection to prevent hearing loss. Hearing protectors must adequately reduce the noise level for each employee's work environment. Most employers use the Noise Reduction Rating (NRR) that represents the protector's ability to reduce noise under ideal laboratory conditions. The employer then adjusts the NRR to reflect noise reduction in the actual working environment.



All TASCO hearing protectors are tested in an indepedent NVLAP certified facility to ANSI S3.19-1974

Premium Earmuffs



Our Flagship earmuff features TASCO's signature pillow head pad and Soft-Seal[™] ear cushions. The Nextera® has a plated steel head band that provides low but even pressure making this muff the most comfortable 30 NRR on the market today.



Features

- Dual plated steel headband provides low, even pressure for all day wearability
- · Extremely lightweight, but heavy duty construction
- Soft-Seal[™] ear cushions ensure maximum acceptance and comfort
- · Sewn, foam filled head pad for all day comfort
- The Nextera® is the highest rated earmuff from an independent testing facility
- Meets CSA Class A(L)

Technology

Unique ribbed cups provide highest attenuation with significantly lighter weight than the competition.

Style

Attractive polished cross pattern with recessed highgloss button logo and color matched face plate.

Comfort

Our signature sewn "pillow" head pad is super soft and extremely durable.







Rated #1 by the USAF The Golden Eagle combines an ultra-soft head pad, Soft-Seal[™] ear cushions, low headband force and a dual suspension stainless steel headband to produce a comfort level that you would not believe possible in a muff this effective.

with tension adjust feature

slotted hard hats

CSA Class A

· One mounting bracket fits all major

GOLDEN EAGLE



- CSA Class A
- All TASCO hearing protectors are tested in an indepedent NVLAP certified facility to ANSI S3.19-1974

Premium Earmuffs

Sound 🔊 Star

The Sound Star delivers exceptional performance and comfort using the same premium headband and cushions as the Golden Eagle. Low profile design and high comfort help increase worker acceptance.

Features

- Even four point pressure distribution combined with Soft-Seal[™] ear cushions provide long lasting comfort and very little squeeze
- Spring stainless steel headband
- Premium components for long life
- Also available in hi-viz green, yellow, or black
- Smaller headband on Sound Star "KidSafe" model fits children comfortably without slipping or twisting

KidSafe version available in eight color choices!

CSA Class A





- · Cap mounted
- Two point suspension, very low band force and Soft-Seal[™] ear cushions for unsurpassed comfort and fit
- Low profile
- · Stainless steel arms for durability
- Convenient stand-off and storage
 positions with tension adjust feature
- One mounting bracket fits all major slotted hard hats
- Also available in Hi-Viz green, yellow, or blue
- · CSA Class A



· Neck band earmuff

2550

NRR 25

- Low profile stainless steel band and ear cups are manufactured from the highest quality materials for consistent performance and long life
- Ultra-soft, premium quality Soft-Seal™ ear cushions provide the richest "feel" and highest comfort level possible
- Two point suspension and low band force provide maximum comfort and long term wearability
- Also available in Hi-Viz green, yellow, or black
- CSA Class B



- · Folding design Ultra compact
- All stainless steel headband for long life
- Very low headband force and Soft-Seal[™] cushions maximize comfort and performance
- Premium components and materials
- Also available in Hi-Viz green, yellow, or black
- · CSA Class B

Approved, recommended and used extensively by the United States Air Force since 1994. The Sound Shield is the highest rated three-position earmuff you can buy.

Sound Shield

Features

- · Outstanding low frequency performance
- Soft-Seal[™] ear cushions provide exceptional comfort and fit
- · Low standard deviations indicate a consistent fit
- Sculpted headband has molded grips for easy cup adjustment
- Super-soft head pad is easily replaceable
- Dielectric, three position muff available in charcoal gray, red or high visibility green
- Crown strap included
- CSA Class A(L)



- Cap mounted
- Outstanding low frequency performance and very low standard deviations indicate exceptional fit
- Patented low profile arm assembly provides convenient at-rest and storage positions plus tension adjustment feature
- Dielectric
- One mounting bracket fits all major slotted hard hats
- The highest rated cap-mount muff available anywhere
- CSA Class A





All TASCO hearing protectors are tested in an indepedent NVLAP certified facility to ANSI S3.19-1974

BLACKHAWK

The Black Hawk is a high performance, high quality, three position, economy earmuff. This lightweight and comfortable earmuff features our exclusive Soft-Seal[™] ear cushions and high density foam head pad.



Features

- · Dielectric, three-position earmuff
- Attractive black earcups with foam headpad for all day comfort
- Soft-Seal[™] ear cushions provide exceptional comfort and fit
- Highest performing economy earmuff on the market
- Consistent full spectrum attenuation
- Also available with hi-visibility green ear cups
- CSA Class A



- Cap mounted
- Patented low profile arm assembly provides convenient at-rest and storage positions plus tension adjustment feature
- Soft-Seal[™] ear cushions and very low band force provide unequaled comfort and fit
- Dielectric
- · One mounting bracket fits all major slotted hard hats
- ABS ear cups and acetal arm assembly for maximum temperature resistance and durability
- CSA Class A









- Cup and damper materials provide excellent worker communication
- Three position headband
- · Extra large, soft ear cushions
- · Low headband force
- Ultra light, only 5.9 ounces
- Patent pending, positive hold ear cup positioning
- Incredibly competitive
- CSA Class A



- Patented low profile arm assembly provides convenient at-rest and storage positions plus tension adjustment feature
- Soft-Seal[™] ear cushions and very low band force provide unequaled comfort and fit
- Dielectric
- One mounting bracket fits all major slotted hard hats
- · Lightweight only 6.3 ounces
- ABS ear cups and acetal arm assembly for maximum temperature resistance and durability
- CSA Class B

All TASCO cap-mounted earmuffs feature spring tension adjustment tab

Silhouette





- Folding earmuff
- · Lightweight, very low profile
- Even four point pressure distribution combined with Soft-Seal[™] ear cushions provide long lasting comfort and very little squeeze
- Comfortably fits children too
- · All plastic folding headband
- Premium components for long life
- CSA Class A





- Designed to fit under all major welding helmets
- Lightweight and Comfortable only 4.3 ounces!
- Compact fits easily under safety masks and helmets because it has the lowest profile of any muff on the market!
- Fits instantly, no band adjustment. Articulating cups comfortably mold to face
- Completely dielectric
- · Crown strap included for extra secure fit
- The Slimline isn't only for welders, its protection is ideal for many other noisy situations, especially for those requiring hardhats
- · CSA Class B



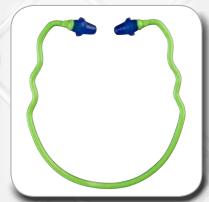
Contra-Band



- · Canal cap hearing protector worn under the chin.
- Weighs only 10 grams!
- Swiveling end caps for custom fit to accomodate varing angles of ear canals.
- · Hollow "memory" band doesn't bore in, get slack
- Replacement tips available (p/n 101-17761)
- CSA Class C



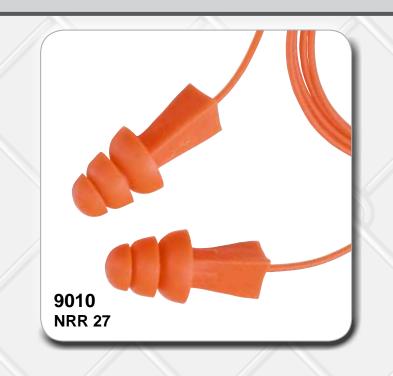




- Inner aural banded hearing protector worn under the chin
- · Super soft ear tips provide maximum comfort
- Tips conform to the ear canal to provide optimal fit
- Band has molded finger grips and is angled to fit perfectly every time you put it on
- Bright orange band and dark blue ear tips aid in compliance checks and gives a stylish look
- Also available in Hi-Viz green or fully metal traceable (pg. 15)
- Replacement tips available (p/n 101-22991)
- CSA Class B(L)

TRI-GRIP®

The Tri-Grip® combines a unique elastomer with a triangular stem for a more natural, secure grip. The earplug has three half sphere flanges which easily contour to the inner ear with virtually no pressure! The Tri-Grip® is designed for all day/ all night comfort. Available in standard size or slightly smaller Tri-Grip® JR for smaller ear canals.



- Spherically curved flange design gives the most comfortable fit of any reusable earplug
- · Conforms to oval shape of ear
- Unique triangular stem assures full control when inserting into ear canal
- Washable promotes worker hygiene
- No rolling or touching plug portion during insertion
- Standard and smaller "JR" size available
- Metal detectable versions (page 15)
- CSA Class A(L)

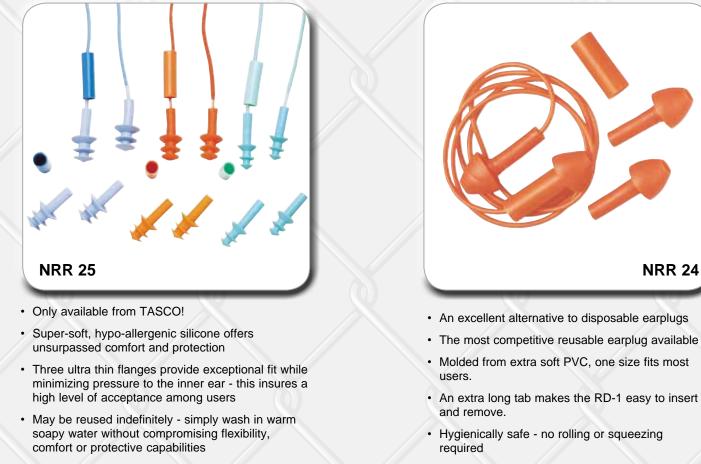
Description	Box Qty					
Uncorded in plastic cases	50					
Corded in plastic cases	50					
Uncorded in bags	100					
9010 Corded in bags						
7 Uncorded JR in plastic cases						
Corded JR in plastic cases	50					
Uncorded in bags	100					
Corded JR in bags	100					
Cloth cord in bags	100					
Cloth cord JR in bags	100					
	Uncorded in plastic cases Corded in plastic cases Uncorded in bags Corded in bags Uncorded JR in plastic cases Corded JR in plastic cases Uncorded in bags Corded JR in bags Corded JR in bags					











- Color coded by size: green = small, orange = medium, blue = large
- Available with or without cord in Zip-lock bags or plastic cases
- CSA Class B(L)

Model	Size	Description	Box Qty			
9101	SM					
9102	MD	Uncorded in plastic cases				
9103	LG		50			
9104	SM		50			
9105	MD	Corded in plastic cases				
9106	LG					
9107	SM					
9108	MD	Uncorded in bags				
9109	LG		100			
9110	SM		100			
9111	MD	Corded in bags				
9112	LG					

- To aid in its safe and proper application, the RD-1
 comes complete with an inserter
- · Instant fit no holding or waiting
- Available in bags or plastic cases corded or uncorded
- Metal detectable version available (page 15)
- · CSA Class A(L)

	Model	Description	Box Qty				
1	9001	Uncorded in plastic cases	50				
	9002						
	9003	Uncorded in bags	100				
	9004	Corded in bags					

13

Disposable Earplugs

THERMA-SOFT 30 ®





- Manufactured from super-soft PVC for its unique performance characteristics
- Therma-Soft foam responds to body heat by getting softer with use
- The only foam specified by the United States
 Military
- Optimal "recovery time" allows for deeper insertion, more secure fit and less "backing out" which is particularly important for those with smaller ear canals. Therma-Soft 30[™] provides an excellent seal for every user
- Plugs are bright orange and are available uncorded or corded - packaged in heat sealed bags
- Also available in special
 50 pair dispenser pack or
 400/500 pair bulk refill pack
- CSA Class A(L)

Model	Style	Box Qty			
9290	Uncorded	200			
9291	Corded	100			
9292	Uncorded 50 Pack	50			
9293	Corded 50 Pack	50			
9294	Uncorded bulk 400 PR	800			
9295	Uncorded bulk 500 PR	1000			



- · Super soft and comfortable Polyurethane Foam
- · Exerts very low pressure on the ear canal
- Tapered and smooth design allows for quick, easy and positive insertion
- Purple plugs and bright green cord for easy compliance checks
- Available with or without cord, packaged in heat sealed bags
- Also available in special 50 pair dispenser pack for low volume users
- Metal detectable versions available (page 15)
- · CSA Class A(L)

Model	Style	Box Qty
9300	Uncorded	200
9301	Corded	100
9302	Uncorded 50 Pack	50
9303	Corded 50 Pack	50
9304	Corded Detectable	200
9305	Corded Detectable Cord	200

Metal Detectable

MD Earplugs feature a special ferrous metal infused polymer. The earplugs remain detectable even when they are chopped into pieces.



M-Tek Earplugs offer industry standard detectability and feature a ferrous metal insert imbedded into each earplug.



Gladiator II

WOODSMAN

Gladiator II® Hard Hat

The Gladiator® Hardhat features the most rigid UV resistant shell available and a patented six-point ratchet suspension. The Gladiator's unique Re-FlexTM suspension technology effectively distributes and absorbs impact force. The suspension system also features our Cool GuardTM self-wicking brow pad, unique ratchet pad and extralow nape strap for an ultimately secure and comfortable fit. Standard slots are available to accept most accessories. The Gladiator® is offered in eight color choices and fits head sizes 6 to 9.

- · Modern styling engineered for maximum user acceptance
- Standard slots accept most accessories
- Locking padded ratchet and Cool-Guard[™] brow pad
- Exceptional comfort
- The industry's lowest nape strap for extra secure fit
- Unique shell molded for superior rigidity and UV protection



The lowest available true nape strap and padded locking ratchet ensures a secure fit and keeps the Gladiator where it belongs on your head.







- Meets ANSI Z89.1-1997 Type I Class E
- Also ANSI approved for use with suspension system reversed!
- Six-point Reflex[™] suspension technology with 1" nylon webbing to disperse impact force
- Available in orange, white, blue, green, yellow, red, hi-viz green, and hi-viz orange

Woodsman[™] Forestry Systems

The perfect solution for a variety of protection needs: Chainsaw/ machinery operation, sandblasting, woodworking, home repairs

- Three systems to choose from with NRR's ranging from 22-24
- Gladiator® six-point Ratchet hard hat with Reflex[™] suspension system
- · Extra low padded nape strap for ultra-secure fit
- Full feature clip on earmuffs with stand off and storage positions plus tension adjust. All cap-mount earmuffs come with Soft-Seal[™] cushions
- T-5000 Super-tough visor carrier can be raised and lowered to three fixed positions, seals off at hardhat brim for falling particle protection.
- Molded steel mesh face screen designed for superior impact and temperature resistance. Epoxy coated for glare and corrosion resistance
- · All components meet or exceed ANSI requirements
- Optional ClearSafe[™] window may be substituted for screen
- Woodsman[™] models 6000, NRR=22 (T-2000 earmuffs)
- Models 6001 and 6030, NRR=24 (Blackhawk, Sound Star earmuffs)

Face Protection

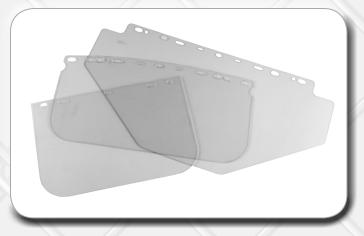


T-9000 Headgear

- Totally dielectric
- Contemporary design
- · Four swivel locks accommodate most universal windows
- Three position detent height control with threaded tension adjust
- · Full stop keeps shield from falling below work position
- No slip TASCO T-Lock[™] ratchet and ratchet pad for added security and comfort
- Ultra soft brow pad made with cotton terrycloth covered foam.
- Accommodates all TASCO ClearSafe[™] windows,TASCO mesh screens, and most universal competitive windows
- · Available with black or red spark guard
- Pin-lock suspension available on model T-9500
- Meets ANSI Z87.1-1989

ClearSafe™ Windows

- All 15" ClearSafe[™] Windows feature a curved top for superior shaping and protection
- TASCO Windows fit all TASCO headgear and visor carriers plus many competitive mounting systems



T-5000A Hard Hat Visor Carrier

- · Adjusts to Fit all major hard hats
- Mounting brackets included
- Can be raised or lowered to three fixed positions without loosening or tightening lugs or nuts.
- Molded from ultra tough nylon material
- Fits all TASCO Woodsman[™] screens and ClearSafe[™] windows



Attenuation Data

Nextera 30	006		NR	R 30	CSA	A (L)	Ov	er-the-	Head
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	20.1	26.6	35.7	42.1	37.8	40.5	39.7	40.2	40.2
Std. Dev.	2.4	1.9	3.1	2.3	2.2	2.5	2.0	2.8	2.9
Golden Ea		_	_	R 29	CSA	A (L)		er-the-	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	20.7	25.2	36.2	43.4	36.0	35.3	37.3	36.0	36.3
Std. Dev.	2.5	1.9	2.5	2.4	2.0	1.9	2.0	1.5	2.2
Golden Ea	- -			R 27	CS.				olding
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	18.0	23.8	33.4	40.6	35.5	35.6	37.1	36.6	36.4
Std. Dev.	2.5	2.0	3.3	3.4	2.2	2.5	2.4	1.9	2.4
Sound Sta	r 255	0	NR	R 25	CS.	ΑΑ	Ov	er-the-	-Head
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	15.4	20.7	29.3	37.3	34.1	36.5	39.6	41.6	39.0
Std. Dev.	2.1	2.1	2.4	3.7	2.3	3.8	3.5	3.6	3.3
Sound Sta	ır 255	2	NR	R 23	CSA	A (L)		Necl	kband
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	15.4	18.9	28.4	34.7	33.7	29.7	34.6	34.1	33.9
Std. Dev.	1.6	2.7	3.0	2.5	2.4	2.3	2.7	1.8	3.2
Sound Sta	_	_	_	R 23	CS	_		E	olding
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	14.2	19.3	28.3	34.6	33.8	26.9	37.1	35.8	36.0
Std. Dev.	2.6	2.3	20.5		33.0 3.1	20.9	3.1	2.7	3.4
		_	_	2.8	_	_	-	_	
Sound Shi		_		R 29	CS.		_	er-the-	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	19.0	25.6	36.6	43.2	36.5	35.1	36.9	36.6	36.4
Std. Dev.	2.0	2.1	2.2	2.7	2.0	2.0	1.9	2.1	1.9
		_		_					
				R 28	CS.	ΑA		nd-the	Head
Mean Attn.	19.6	26.1		_		A A 36.9		nd-the- 36.3	-Head 37.0
Mean Attn. Std. Dev.	19.6 2.5	26.1 2.6	NR	R 28	CS.		Behi		_
			NR 36.0 1.8	R 28 41.7	CS. 37.2	36.9 3.8	Behi 38.3 2.2	36.3	37.0 3.0
			NR 36.0 1.8	R 28 41.7 2.6	CS. 37.2 3.4	36.9 3.8	Behi 38.3 2.2	36.3 2.3	37.0 3.0
Std. Dev.	2.5	2.6	NR 36.0 1.8 NR	R 28 41.7 2.6 R 28	CS. 37.2 3.4 CS.	36.9 3.8 A A	Behii 38.3 2.2 Une	36.3 2.3 der-the	37.0 3.0 e-Chin
Std. Dev. Mean Attn.	2.5 19.5 2.8	2.6 26.8 2.8	NR 36.0 1.8 NR 35.7 2.4	R 28 41.7 2.6 R 28 41.9	CS. 37.2 3.4 CS. 36.7	36.9 3.8 A A 35.9 3.1	Behin 38.3 2.2 Une 37.9 2.6	36.3 2.3 der-the 36.2	37.0 3.0 e-Chin 36.3 2.6
Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8	2.6 26.8 2.8	NR 36.0 1.8 NR 35.7 2.4	R 28 41.7 2.6 R 28 41.9 3.1	CS. 37.2 3.4 CS. 36.7 2.7	36.9 3.8 A A 35.9 3.1	Behin 38.3 2.2 Une 37.9 2.6	36.3 2.3 der-the 36.2 3.1	37.0 3.0 e-Chin 36.3 2.6
Std. Dev. Mean Attn. Std. Dev. Silhouette	2.5 19.5 2.8 2503	2.6 26.8 2.8	NR 36.0 1.8 NR 35.7 2.4 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25	CS. 37.2 3.4 CS. 36.7 2.7 CS.	36.9 3.8 A A 35.9 3.1 A A	Behin 38.3 2.2 Une 37.9 2.6 Ov	36.3 2.3 der-the 36.2 3.1 rer-the-	37.0 3.0 e-Chin 36.3 2.6 -Head
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency	2.5 19.5 2.8 2503 125	2.6 26.8 2.8 250	NR 36.0 1.8 NR 35.7 2.4 NR 500	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000	CS. 37.2 3.4 CS. 36.7 2.7 CS. 2000	36.9 3.8 A A 35.9 3.1 A A 3150	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000	36.3 2.3 der-the 36.2 3.1 rer-the 6300	37.0 3.0 -Chin 36.3 2.6 -Head 8000
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1	2.6 26.8 2.8 250 20.8 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2	CS. 37.2 3.4 CS. 36.7 2.7 CS. 2000 35.8 2.4	36.9 3.8 A A 35.9 3.1 A A 3150 37.6 2.8	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6	36.3 2.3 der-the 36.2 3.1 ver-the 6300 38.3 2.9	37.0 3.0 e-Chin 36.3 2.6 •Head 8000 37.8 2.9
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk	2.5 19.5 2.8 2503 125 18.1 3.1 < 2700	2.6 26.8 2.8 250 20.8 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS,	36.9 3.8 3.9 3.1 3.1 3150 37.6 2.8 A A	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125	2.6 26.8 2.8 250 20.8 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000	36.9 3.8 A A 35.9 3.1 A A 3150 37.6 2.8 A A 3150	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300	37.0 3.0 e-Chin 36.3 2.6 •Head 8000 37.8 2.9 •Head 8000
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 2700 125 19.0	2.6 26.8 2.8 250 20.8 2.3 2.3 250 250 23.8	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2	36.9 3.8 A A 35.9 3.1 3150 37.6 2.8 A A 3150 35.4	Behin 38.3 2.2 Unn 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125	2.6 26.8 2.8 250 20.8 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5	CS. 37.2 3.4 CS. 36.7 2.7 CS. 2000 35.8 2.4 CS. 2000 35.2 2.7	36.9 3.8 3.9 3.1 3150 37.6 2.8 A A 3150 35.4 1.8	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 rer-the 6300 35.0 2.5	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7	2.6 26.8 2.8 250 20.8 2.3 2.3 250 23.8 1.9	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS,	36.9 3.8 3.1 35.9 3.1 3150 37.6 2.8 A A 3150 35.4 1.8 A A	Behin 38.3 2.2 Uno 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7 19.5	2.6 26.8 2.8 250 20.8 2.3 2.3 250 23.8 1.9 24.1	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 33.7 3.0 NR 34.0	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS, 38.2	36.9 3.8 3.1 35.9 3.1 3150 37.6 2.8 4 3150 35.4 1.8 4 1.8 4 4 34.2	Behin 38.3 2.2 Uno 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin 34.4	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 er-the 6300 35.0 2.5 nd-the 32.4	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 8000 36.1 2.3
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7	2.6 26.8 2.8 250 20.8 2.3 2.3 250 23.8 1.9	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS, 38.2 3.2	36.9 3.8 3.8 3.5.9 3.1 3150 37.6 2.8 37.6 2.8 37.6 35.4 1.8 35.4 1.8 34.2 3.1	Behin 38.3 2.2 Uno 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 er-the 6300 35.0 2.5 nd-the 32.4 2.8	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.0 3.9
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7 19.5	2.6 26.8 2.8 250 20.8 2.3 2.3 250 23.8 1.9 24.1	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS, 38.2 3.2	36.9 3.8 3.1 35.9 3.1 3150 37.6 2.8 4 3150 35.4 1.8 4 4 3.1 50 35.4 1.8 3.1 2 35.4 1.8 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 2 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Uno 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 er-the 6300 35.0 2.5 nd-the 32.4	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.0 3.9
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7 19.5	2.6 26.8 2.8 250 20.8 2.3 2.3 250 23.8 1.9 24.1	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS, 38.2 3.2	36.9 3.8 3.8 3.5.9 3.1 3150 37.6 2.8 37.6 2.8 37.6 35.4 1.8 35.4 1.8 34.2 3.1	Behin 38.3 2.2 Uno 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5	36.3 2.3 der-the 36.2 3.1 er-the 6300 38.3 2.9 er-the 6300 35.0 2.5 nd-the 32.4 2.8	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.0 3.9
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Blackhawk Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 (2700 125 19.0 2.7 19.5 2.8	2.6 26.8 2.8 250 20.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 33.7 3.0 XR 34.0 2.6 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 2000 36.2 2.7 CS, 38.2 3.2 CS,	36.9 3.8 3.8 3.5 3.1 3150 37.6 2.8 37.6 2.8 3150 35.4 1.8 4 A A A A A A A A A A A A A A A A	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin 34.4 3.5 Un	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.9 -Chin
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 2.7 19.0 2.7 19.5 2.8 19.6 2.5	2.6 26.8 2.8 2.0 20.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 39.6 3.4 R 26 40.2	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 36.2 2.7 CS, 38.2 3.2 CS, 38.1 3.4	36.9 3.8 3.8 3.5 35.9 3.1 3150 37.6 2.8 4 3150 35.4 1.8 34.2 3.1 34.2 3.1 4 A A A A A A A A A 35.1	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 2.7 19.0 2.7 19.5 2.8 19.6 2.5	2.6 26.8 2.8 2.0 20.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 39.6 3.4 R 26 40.2 3.2	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 36.2 2.7 CS, 38.2 3.2 CS, 38.1 3.4	36.9 3.8 3.8 3.5 35.9 3.1 3150 37.6 2.8 4 3150 35.4 1.8 35.4 34.2 3.1 4 4 34.2 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24	2.5 19.5 2.8 2503 125 18.1 3.1 22700 2.7 19.0 2.7 19.5 2.8 19.6 2.5 19.6	2.6 26.8 2.8 250 20.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 3.4 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 36.2 2.7 CS, 38.2 38.1 3.4 CS,	36.9 3.8 3.8 3.5 3.1 3.1 3.1 3.1 5.0 3.7.6 2.8 3.1 3.7.6 2.8 3.1 3.1 3.5.4 1.8 3.4 3.4 3.4 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 35.2 Un 34.0 34.0 34.0 3.1 OV	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8 rer-the	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2 -Head
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency	2.5 19.5 2.8 2503 125 18.1 3.1 22700 2.7 19.0 2.7 19.5 2.8 19.6 2.5 108 125	2.6 26.8 2.8 250 20.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 NR 500	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.1 3.4 CS, 2000	36.9 3.8 3.8 3.1 3.1 3.1 3.1 3.1 3.1 3.7.6 2.8 3.7.6 2.8 3.1 3.1 3.4 3.4 3.4 3.4 3.5.1 3.4 3.5.1 3.4 3.5.1 3.4 3.5.1	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 35.2 Un 34.4 34.4 34.0 34.0 3.1 OV 4000	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8 rer-the 6300	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 8000 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2 -Head 8000
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 2270 19.0 2.7 19.0 2.7 19.5 2.8 19.6 2.5 108 125 15.4	2.6 26.8 2.8 2.50 2.0.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 NR 34.3 3.4 NR 500 27.8 2.3	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000 37.3	CS. 37.2 3.4 CS. 36.7 2.7 CS. 2000 35.8 2.4 CS. 2000 36.2 2.7 CS. 38.2 3.2 CS. 38.1 3.4 CS. 38.1 3.4 CS. 2000 35.0 2.5	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 3.7.6 2.8 3.7.6 2.8 3.7.6 3.7.6 2.8 3.7.6 3.7.7 3.7	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1 OV 4000 37.2 3.0	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8 rer-the 6300 36.5	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 33.0 3.6.1 3.3.0 3.9 -Chin 34.4 3.2 -Chin 34.4 3.2
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 2270 19.0 2.7 19.0 2.7 19.5 2.8 19.6 2.5 108 125 15.4	2.6 26.8 2.8 2.50 2.0.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	NR 36.0 1.8 35.7 2.4 NR 500 28.9 1.9 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 NR 34.3 3.4 NR 500 27.8 2.3	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000 37.3 3.0	CS. 37.2 3.4 CS. 36.7 2.7 CS. 2000 35.8 2.4 CS. 2000 36.2 2.7 CS. 38.2 3.2 CS. 38.1 3.4 CS. 38.1 3.4 CS. 2000 35.0 2.5	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 5.0 3.7.6 2.8 3.7.6 2.8 3.7.6 3.7.6 2.8 3.7.6 3.7.7	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1 OV 4000 37.2 3.0	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8 rer-the 6300 36.5 2.4	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 33.0 3.6.1 3.3.0 3.9 -Chin 34.4 3.2 -Chin 34.4 3.2
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 2270 125 19.0 2.7 19.5 2.8 19.6 2.5 008 125 15.4 2.7	2.6 26.8 2.8 250 20.8 2.3 250 23.8 1.9 24.1 2.4 24.0 2.4 2.8 250 19.2 2.4	NR 36.0 1.8 NR 35.7 2.4 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.0 2.6 NR 34.3 3.4 NR 34.3 3.4 NR 500 27.8 2.3 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000 37.3 3.0 R 23	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 38.2 36.2 2.7 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.1 3.4 CS, 2000 35.0 2.5 CS,	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 5.0 3.7.6 2.8 3.7.6 2.8 3.7.6 3.7.6 2.8 3.7.6 3.7.7	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin 34.4 3.5 Un 34.4 3.5 Un 34.0 3.1 Ov 4000 37.2 3.0 Behin	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 33.9 2.8 rer-the 6300 36.5 2.4 ads - 1 6300 36.5 2.4 nd-the	37.0 3.0 -Chin 36.3 2.6 Head 8000 37.8 2.9 -Head 33.0 3.9 -Chin 34.4 3.2 -Chin 34.4 3.2 -Chin 34.4 3.2 -Chin
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn.	2.5 19.5 2.8 2503 125 18.1 3.1 2700 125 19.0 2.7 19.5 2.8 19.5 2.8 19.6 2.5 19.6 2.5 19.6 2.5 15.4 2.7 14.8	2.6 2.8 2.8 2.0 2.0 2.0 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4	NR 36.0 1.8 NR 35.7 2.4 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 NR 500 2.7.8 2.3 NR 2.3 NR 2.3 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000 37.3 3.2 R 24 1000 37.3 3.0 R 23 34.3 1.7	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 38.2 38.2 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.2 3.2 CS, 38.1 3.2 CS, 38.2 3.2 CS, 38.1 CS, 38.1 CS, 38.2 CS, 2000 CS, 38.2 CS, 2000 CS, 200 CS, 200	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 50 37.6 2.8 3.7 3.7 3.1 3.4 3.1 3.4 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1 Ov 4000 37.2 3.0 Behin 36.6 2.4	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 6300 36.5 2.4 nd-the 6300 36.5 2.4	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 33.0 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2 -Head 8000 36.6 2.6 -Head 8000
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 2700 2.7 19.0 2.7 19.5 2.8 19.6 2.5 10.8 125 15.4 2.7 14.8 2.0	2.6 26.8 2.8 2.50 2.0.8 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.5 2.5 19.5 2.5	NR 36.0 1.8 NR 35.7 2.4 NR 500 28.9 1.9 NR 34.0 2.6 NR 34.0 2.6 NR 34.3 3.4 NR 500 2.7 8 3.4 NR 500 2.7 8 3.4 NR 500 2.7 8 3.4 NR 3.4 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 500 2.6 NR 3.7 1.9 NR 3.7 NR NR NR NR 3.7 NR 3.7 NR NR NR NR NR NR NR NR NR NR NR NR NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 26 40.2 3.2 R 24 1000 37.3 3.0 R 23 34.3 1.7 R 23	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 36.2 2.7 CS, 38.2 3.2 CS, 38.1 3.4 CS, 2000 35.0 2.5 CS, 33.9 2.6 CS,	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 3.7.6 2.8 3.1 3.7.6 2.8 3.1 3.1 3.4 3.1 3.4 3.4 3.1 3.1 3.4 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Un 37.9 2.6 OV 4000 37.9 2.6 OV 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 34.0 3.1 OV 4000 37.2 3.0 Behin 36.6 2.4 Un	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 6300 36.5 2.4 nd-the 33.9 2.8 der-the 6300 36.5 2.4 nd-the 35.6 2.5 der-the	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 33.0 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2 -Head 8000 36.6 2.6 -Head 37.7 2.6
Std. Dev. Mean Attn. Std. Dev. Silhouette Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Mean Attn. Std. Dev. Apache 24 Frequency Mean Attn. Std. Dev. Mean Attn. Std. Dev.	2.5 19.5 2.8 2503 125 18.1 3.1 2700 125 19.0 2.7 19.5 2.8 19.5 2.8 19.6 2.5 19.6 2.5 19.6 2.5 15.4 2.7 14.8	2.6 2.8 2.8 2.0 2.0 2.0 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4	NR 36.0 1.8 NR 35.7 2.4 NR 500 33.7 3.0 NR 34.0 2.6 NR 34.3 3.4 NR 500 2.7.8 2.3 NR 2.3 NR 2.3 NR	R 28 41.7 2.6 R 28 41.9 3.1 R 25 1000 37.2 3.2 R 27 1000 39.7 2.5 R 26 39.6 3.4 R 26 40.2 3.2 R 24 1000 37.3 3.2 R 24 1000 37.3 3.0 R 23 34.3 1.7	CS, 37.2 3.4 CS, 36.7 2.7 CS, 2000 35.8 2.4 CS, 38.2 38.2 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.1 3.4 CS, 38.2 3.2 CS, 38.2 3.2 CS, 38.1 3.2 CS, 38.2 3.2 CS, 38.1 CS, 38.1 CS, 38.2 CS, 2000 CS, 38.2 CS, 2000 CS, 200 CS, 200	36.9 3.8 3.8 3.1 3.5.9 3.1 3.1 3.1 3.1 50 37.6 2.8 3.7 3.7 3.1 3.4 3.1 3.4 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Behin 38.3 2.2 Un 37.9 2.6 Ov 4000 37.9 2.6 Ov 4000 35.2 2.4 Behin 34.4 3.5 Un 34.0 3.1 Ov 4000 37.2 3.0 Behin 36.6 2.4	36.3 2.3 der-the 36.2 3.1 rer-the 6300 38.3 2.9 rer-the 6300 35.0 2.5 nd-the 32.4 2.8 der-the 6300 36.5 2.4 nd-the 6300 36.5 2.4	37.0 3.0 -Chin 36.3 2.6 -Head 8000 37.8 2.9 -Head 33.0 36.1 2.3 -Head 33.0 3.9 -Chin 34.4 3.2 -Head 8000 36.6 2.6 -Head 8000

NRR testing in accordance with ANSI S3.19-1974

Slimline 19		NR	R 19	CS	ΑВ	Neckband			
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	12.3	14.0	23.3	28.8	27.3	30.8	34.1	35.3	34.1
Std. Dev.	2.7	1.6	2.6	2.4	2.3	2.9	3.0	3.1	3.2

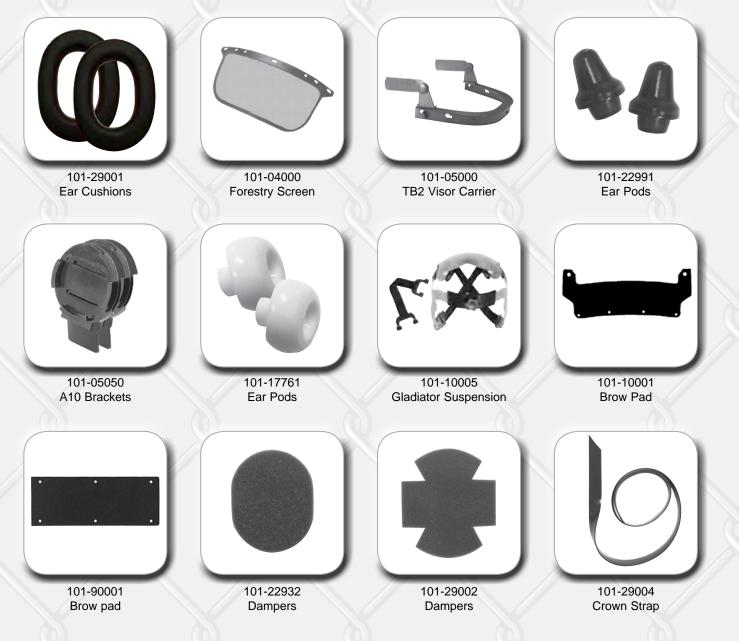
Golden Ea	igle 2	951	NR	R 26	CS	A A		Cap-I	Mount	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	18.2	22.5	31.8	36.1	34.7	33.7	35.4	33.9	35.0	
Std. Dev.	2.4	2.1	2.5	2.7	2.3	2.1	2.4	2.4	2.4	
Sound Shi	und Shield 2800		NR	R 28	CS	ΑA		Cap-I	Mount	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	19.7	26.2	36.5	41.1	38.2	35.9	36.6	37.3	37.8	
Std. Dev.	2.5	2.8	1.9	3.2	2.9	2.9	2.5	2.8	2.5	
Sound Sta	ar 2551		NRR 24		CSA A		Cap		Mount	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	17.9	21.4	26.1	33.1	35.6	39.1	39.2	36.1	38.0	
Std. Dev.	2.8	2.8	2.7	3.2	2.8	3.8	3.3	2.5	3.6	
Blackhawk	< 240(C	NRR 24		CSA A			Cap-I	p-Mount	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	15.9	19.3	29.3	34.8	34.5	38.3	39.5	39.4	39.5	
Std. Dev.	2.5	2.4	2.8	2.9	2.8	2.1	3.5	3.7	3.2	
T-2000 22	86		NR	R 22	CS	٩Β		Cap-I	Mount	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	13.2	19.6	27.6	34.8	33.3	29.4	35.1	36.2	34.9	
Std. Dev.	3.0	2.0	3.6	1.9	2.5	2.5	3.8	3.0	3.3	

Contra-Ba	nd		NR	NRR 22		CSA B(L)		Banded Earplug		
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	27.5	28.3	29.7	29.9	35.4	38.3	36.4	40.5	40.1	
Std. Dev.	6.0	5.4	5.4	3.9	3.9	4.6	4.5	4.9	4.7	
T-100				R 17	00	A C	Banded Earplug			
1-100			NR	R I/	US/	чυ	Dall		arpiug	
I-100 Frequency	125	250	500	R 17 1000	2000	3150	4000	6300	8000	
	125 10.3	250 15.4					_	_		
Frequency			500	1000	2000	3150	4000	6300	8000	

Therma-S	NRR 30		CSA A(L)		Foam Earplug				
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	39.7	39.0	40.9	37.2	37.7	45.3	46.7	47.2	47.1
Std. Dev.	4.6	5.5	5.4	4.0	2.8	4.4	3.9	3.6	3.6
Soft-Seal3	Soft-Seal33			NRR 33		CSA A(L)		Foam Earp	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attn.	36.5	41.3	45.5	43.3	38.2	46.3	46.2	48.3	47.8
Std. Dev.	4.4	5.1	4.8	4.2	2.3	5.4	5.5	5.6	5.1

Tri-Grip			NR	NRR 27		CSA A(L)		Reusable Earplu		
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	34.5	35.5	37.4	34.4	37.8	40.7	40.9	43.1	45.4	
Std. Dev.	5.6	5.4	5.1	4.1	4.0	4.6	3.8	3.7	2.6	
Tri-Fit			NRR 25		CSA B(L)		Reusable Earp		arplug	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	32.5	31.5	32.0	29.5	36.8	43.7	45.7	46.1	46.4	
Std. Dev.	2.9	3.3	4.5	3.4	3.2	4.1	5.6	3.5	4.6	
RD-1			NR	R 24	CSA	A(L)	Reusa	able Ea	arplug	
Frequency	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attn.	27.2	27.2	28.3	32.2	37.4	41.9	38.5	36.4	34.3	
Std. Dev.	3.4	3.4	4.4	3.4	2.8	3.4	4.6	3.4	36.6	

Replacement Parts



Proper Care and Maintenance of our Products:

- Earmuff components can be washed with warm soapy water whenever necessary. DO NOT USE SOLVENTS. All vinyl ear cushions harden with age and use. To maintain optimal comfort and performance, replace with TASCO part number 101-29001 every four months.
- **Reusable earplugs** should be routinely washed with mild soap and warm water. Rinse thoroughly and let air dry. To disinfect, earplugs may be boiled in water for 5 minutes. Examine the earplugs for wear and replace when needed.
- Foam earplugs must be discarded once they are soiled/dirty. Disposable foam earplugs may not be washed or cleaned.
- Hard hats can be washed with mild soap and warm water. DO NOT USE SOLVENTS. Replace brow
 pad with TASCO part number 101-10001 or complete suspension system 101-10005 if it becomes soiled/
 dirty. Generally speaking, a hard hat that has been in service longer than five years should be replaced.
 Do not alter, drill, or place stickers on the hard hat shell. Please consult the instructions that came with
 your hard hat for other important safety information.
- Face shields should be washed with mild soap and water. DO NOT USE SOLVENTS. Replace if shield becomes scratched, pitted, or discolored.

All TASCO hearing protectors are tested in an indepedent NVLAP certified facility to ANSI S3.19-1974

TASCO is a family owned and operated corporation that has proudly manufactured its products in the USA since 1975

Tasco Corporation 37 Tripps Lane Riverside, RI 02915-3013

Tel: (800) 343-2311 Fax: (866) 643-5638 www.tascocorp.com

YOUR AUTHORIZED TASCO DISTRIBUTOR IS