HEARING PROTECTION

APPLICATION

When higher ranking noise control measures are unable to reduce the exposure to noise **to or below the National Standard** (www.safeworkaustralia.gov.au), employees should be supplied with, and be trained on, the wearing and maintenance of effective personal hearing protectors.

RISK ASSESSMENT

The risk of over-exposure of workers to noise in a workplace must be assessed by conducting a **noise survey**. The purpose of a survey is to identify all work areas and work practices likely to expose workers to noise above the national 8 hour day standard (presently 85dB(A)) and must include work hour calculations if work hours exceed 8. The survey must also explain and record noise dose and identify peak noises.

A noise survey should audit the effectiveness of any existing measures and include recommendations that direct employers to measures that will reduce noise. Employers are required to provide appropriate PPE and train employees in the use and maintenance of personal hearing protectors.

When selecting hearing protectors the following must be considered:

- Weight and clamping force (for earmuffs) refer to our quick reference guide at the end of this section.
- Suitability of protection for use and fit with other PPE such as helmets, spectacles, respirators etc.
- The inherent problems of comfort and supervising compliance.
- The interference of fit when wearing head clothing like hair nets, hoodies and beanies.

CLASSIFICATION TABLE

Hearing protectors are grouped into five classes that range from class 1 to class 5 based upon Australian Standards governed testing (Specified SLC 80, dB) as shown below:

SPECIFIED SLC80 FOR DETERMINATION OF CLASS			
Class	Specified SLC80, dB(A)	Effective Noise Range	
1	10 - 13	90dB(A)	
2	14 - 17	95dB(A)	
3	18 - 21	100dB(A)	
4	22 - 25	105dB(A)	
5	26 or greater	110dB(A)	

SLC80 (Sound Level Conversion) is a single number rating commonly used in Australia and New Zealand to compare the acoustic performance of hearing protectors. The subscript '80' indicates that in well-managed hearing protector programmes, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.



USEFUL REFERENCES

AS/NZS 1269.0:2005 Part 0 Occupational noise management - Overview and general requirements.

AS/NZS 1269.3:2005 Occupational noise management - hearing protector programme.

SAFETY TIPS

- Over-protection may cause wearers to remove hearing protection to communicate or miss warning sounds.
- Safety spectacle side arms and certain hair styles may affect the air seal of an earmuff.
- Replacement hygiene kits (ear cushions and foam inserts) will help maintain earmuff performance.
- Using earplugs in addition to earmuffs may add up to 3 decibels to the earmuff rating.
- Exposure to noise combined with certain chemicals absorbed into the blood stream will cause an ototoxic effect, accelerating noise induced hearing loss - wear protective gloves.
- Define extensive noise areas with appropriate signage
- All workers should be trained in the correct use and maintenance of personal protective equipment.

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DISCLAIMER: The information detailed above is not provided as a solution to the control of workplace hazards. It is an outline and has not been prepared as any statement of law nor is it intended to replace or substitute for professional and/or legal advice which is strongly recommended.



3M EAR

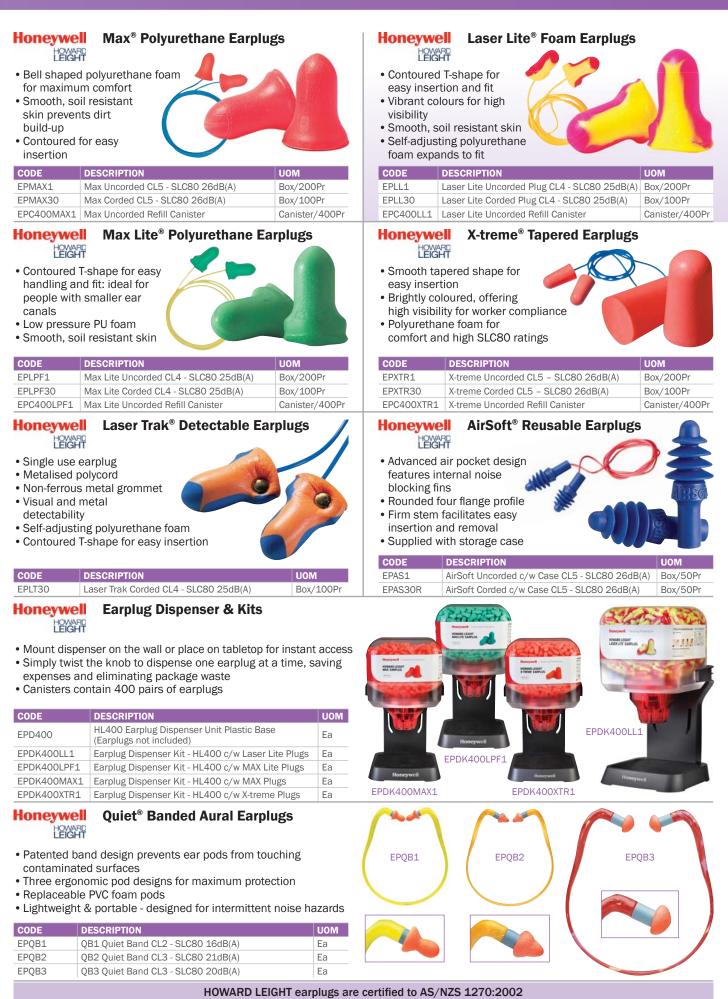
www.safetyquip.com.au



3M EAR

	-		E-A-R [™] Classic [™]
F-A-Renfi	™ Neon Earplugs		Earplugs
Smooth f			Soft, energy absorbing foam
tapered			Non-irritating Mainture resistant
• Single us	se and a second s		Moisture resistant Flame resistant
• Neon col			Corded and uncorded styles
-	nce sighting		CODE DESCRIPTION UOM
Sizes ava			EP3121201 Classic Uncorded CL4 - SLC80 23dB(A) Box/20
	t foam for softer feel	EP3121250	EP3111101 Classic Corded CL3 - SLC80 21dB(A) Box/20
	ind uncorded		
styles	🥖) 🗾 🔜		
• Earplugs			E-A-Rsoft [™] TaperFit [™] II
	sistently dispensed One-Touch™ Pro		Earplugs • Non-irritating polyurethane foam
-	er - features 'No 🛛 🖉		Single use, 'plus' size available
Waste Fi	Innel' system EP3111251 EPD391000	0 EP3911004	Tapered shape for easy insertion and secure fit
CODE	DESCRIPTION	UOM	Corded and uncorded styles
EP3121250	Neon Regular Uncorded CL4 - SLC80 23dB(A)	Box/200Pr	CODE DESCRIPTION UOM
EP3111251 EPD391000	Neon Regular Corded CL4 - SLC80 23dB(A) 0 One-Touch Pro Dispenser (Earplugs not included)	Box/200Pr d) Ea	EP3121219 TaperFit II Regular Uncorded CL5 - SLC80 26dB(A) Box/20 EP3121221 TaperFit II Plus Uncorded CL5 - SLC80 26dB(A) Box/20
EPD391000	Dispenser Refill Neon Reg. CL4 - SLC80 23dB(A		EP3121221 TaperFit II Plus Oncorded CL5 - SLC80 26dB(A) Box/20 EP3121224 TaperFit II Plus Corded CL5 - SLC80 26dB(A) Box/20
	EAR Ø////		
Push-in fit	od design for easy insertion t, no roll-down required	/	Earplugs Soft foam with red line to indicate best fit
	, washable, no sizing ble grip for hygienic insertion		Smooth texture tapered shape Gingle use large size queilable
			Single use, large size available Corded and uncorded styles
Corded a	nd uncorded styles		Corded and uncorded styles
	DESCRIPTION	UOM Box/100Pr	
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HEARING PROTECTION





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and durability · Padded foam headband minimises pressure Lightweight earcup with high quality ear cushions ECPYTS DESCRIPTION

CODE	DESCRIPTION	
EMPYTS	Python Slimline HI VIS Headband CL5 - SLC80 31dB(A)	Ea
EMPYTNB	Python Slimline HI VIS Neckband CL4 - 23dB(A)	Ea
ECPYTS	Python Slimline HI VIS Cap Attachable CL5 - 31dB(A)	Ea
EMZHKPYT	Hygiene Kit	Ea

EMPYTS

Viper[®] Universal Earmuff Range

- · General purpose with three-position headband
- Low clamping force to minimise pressure
- · Solid, lightweight earcup construction

ECVIP

- Cushioned headband for comfort
- Cap attachable option



PRO

EMPYTNB

CODE	DESCRIPTION	UOM
EMVIP	Viper Headband CL5 - SLC80 26dB(A)	Ea
ECVIP	Viper Cap Attachable CL5 - SLC80 26dB(A)	Ea
EMZHKVIP	Hygiene Kit	Ea



PROCHOICE earplugs and earmuffs are certified to AS/NZS 1270:2002

HEARING PROTECTION

Honeywell HOWARD

VeriShield[™] 100 Series **Earmuffs**

- Designed to provide optimum comfort over long periods of use
- · Large dimension range to fit a wide range of head sizes
- Wide cup opening ideal for workers with larger ears, or who wear hearing aids
- Steel wire construction with padded headband and precision micro adjustments
- · ABS moulded with internal baffle design for lighter weight, patent pending
- · Unique memory foam ear cushions for greater comfort and attenuation
- Air Flow Control technology for optimum attenuation across all frequencies





EM120

EM120FHV

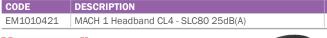
EM120H

CODE	DESCRIPTION	UOM
EM120	VeriShield VS120 Headband CL5 – 30dB(A)	Ea
EM120FHV	VeriShield VS120 Headband/Folding HV CL5 - 31dB(A)	Ea
EM120F	VeriShield VS120 Headband/Folding CL5 – 31dB(A)	Ea
EM120N	VeriShield VS120 Neckband CL5 – 27dB(A)	Ea
EC120H	VeriShield VS120 Cap Attachable CL5 – 28dB(A)	Ea
EMZHK12HK	VeriShield Hygiene Kit for VS120 Series	Ea

Honeywell HOWARD

Mach[™] 1 Earmuff

- Economical design
- Extremely lightweight construction
- · Comfort for intermittent and long term wearers
- Dielectric design



Honeywell HOWARD

Impact Sport Earmuff

- Built-in directional microphones
- · Amplifies low-level sound safely to 82dB
- · Sleek low profile design
- Up to 350 hours battery life
- Automatic 4-hour shut-off
- AUX input

CODE

EMS1013530 UOM DESCRIPTION COLOUR EMS1013530 Impact Sports Earmuff CL4 - SLC80 24dB(A) Green Ea EMS1030942 Impact Sports Earmuff CL4 - SLC80 24dB(A) Black Fa

25dB(A)	Ea	
2520 Mag a		

Honeywell

HOWARD

SYNC Electo FM Earmuffs

- 10 pre-set channels
- · Combines passive hearing with sound amplification and FM radio (separate controls for sound amplification and radio volume)
- Enhances ambient sound to 85dB(A)
- Batteries included



CODE	DESCRIPTION	UOM
EMS1030333	SYNC Electo FM Radio Headband Earmuff CL5 - SLC80 26dB(A)	Ea
EMS1030334	SYNC Electo FM Radio Cap Attach Earmuff CL4 - SLC80 23dB(A)	Ea

Honeywell HOWARD

Svnc® Wireless Earmuff with Bluetooth®

- Bluetooth[®] connectivity
- Answer calls or stream
- information via mobile phone · Robust boom microphone
- Lithium Ion battery 16+ hours
- Includes USB cord and wall
- charger



CODE DESCRIPTION EMS1053017 Sync Wireless Headband CL5 - SLC80 31dB(A) Fa

Honeywell HOWARD

SYNC Digital AM/FM Radio Stereo Earmuff

- 10 pre-set channels
- Digital tuning with LCD display
- AUX input to connect to MP3
- Includes 3.5mm cable
- Radio volume does not exceed 82dB(A)
- HI VIS green for extra visibility Batteries included



UOM CODE DESCRIPTION SYNC AM/FM Radio Headband Earmuff CL5 -EMS1030332 Ea SLC80 26dB(A)

HONEYWELL HOWARD LEIGHT earmuffs are certified to AS/NZS 1270:2002







www.safetyquip.com.au





and effective earmuff range · Padded stainless steel headbands with 4-point suspension Liquid & foam filled cushions ЕМН9А ECH9P ЕМН9В

CODE	DESCRIPTION	UOM
EMH9A	Peltor H9A Headband CL4 - SLC80 24dB(A)	Ea
EMH9B	Peltor H9B Neckband CL4 - SLC80 24dB(A)	Ea
ECH9P	Peltor H9P Cap Attach CL4 - SLC80 24dB(A)	Ea
EMZHY5	Hygiene Kit	Ea

3M PELTOR

Premium Earmuff X4 and X5 Series

- · Lightweight, low profile earmuffs designed for protection against low level industrial noise and other
- loud sounds Electrically insulated wire

headband

WS-CUSH Wireless Communication Accessory

- Bluetooth wireless
- technology
- Noise-cancelling microphone
- 8hrs talk/streaming time EMZWSCUSH

CODE	DESCRIPTION	UOM
EMX4A	Peltor X4A Headband CL5 - SLC80 31dB(A)	Ea
EMX5A	Peltor X5A Headband CL5 - SLC80 35dB(A)	Ea
EMX4B	Peltor X4B Neckband CL5 - SLC80 27dB(A)	Ea
EMX5B	Peltor X5B Neckband CL5 - SLC80 31dB(A)	Ea
ECX4P	Peltor X4P Cap Attach CL5 - SLC80 27dB(A)	Ea
ECX5P	Peltor X5P Cap Attach CL5 - SLC80 31dB(A)	Ea
EMZWSCUSH	Peltor WS-CUSH Accessory	Ea

EMX5A



Kids Earmuff H510K

- Small sized earmuff, specifically designed for children
- · Attenuates harmful noise levels without shutting out other ambient sounds
- · Recommended for use by children up to age 7
- Neon pink or neon green for high visibility and fun

CODE	DESCRIPTION	UOM
EMH5A:GR	Peltor Kids Earmuff H510K Neon Green	Ea
EMH5A:PK	Peltor Kids Earmuff H510K Neon Pink	Ea





EMX4A

3M[™] PELTOR[™] earmuffs are certified to AS/NZS 1270:2002

HEARING PROTECTION

3M PELTOR

Lite-Com[™] Plus Headsets

- · Designed for workers where communication is essential - hands free up to 1km
- 69 two-way radio channels, 121 sub-channels
- Sudden impulse noise at harmful levels are immediately attenuated
- · Built in active-sound function so ambient sounds can be heard
- Separate PTT (push to talk) button for the auxiliary input, where a mobile phone, radio, or other audio source can be connected
- Rechargeable lithium-ion battery (approx. 20hrs use)

DESCRIPTION

CODE EMSH7A4310AZ Peltor Lite-Com Plus Headband CL5 - SLC80 32dB (A) EMSH7B4310AZ Peltor Lite-Com Plus Neckband CL5 - SLC80 30dB (A) EMSH7P3E4310AZ Peltor Lite-Com Plus Cap Attach CL5 - SLC80 27dB (A)

3M PELTOR

WS ProTac[™] XPI BlueTooth **Headset Range**

- Bluetooth 4.2 including MultiPoint
- MMI menu set-up for easier handling in daily operations
- Noise cancelling water resistant speech microphone - improved speech intelligibility and IP68 rated - supports VOX
- Support for Bluetooth A2DP, streaming (selectable in Set-up mode)
- Auto power off after 4 hrs of non use to save battery
- Low-battery warning
- New FLX2 accessory jack options

CODE

EMS15H7AWS6 EMS15H7P3EWS6



3M PELTOR

WorkTunes[™] Pro Headsets

- · High attenuating hearing protector
- FM or AM/FM radio headset
- with built-in antenna
- Auto power off after 4hrs non use
- Voice guided menu system
- · Digital station search stores up to 5 stations
- 3.5mm jack: listen-only stereo input to connect to external devices
- Two AA batteries included

EMSHRXS221P3E DESCRIPTION

CODE EMSHRXS221A

Peltor WorkTunes Pro Headband FM CL5 - SLC80 32db(A)

EMSHRXS221P3E Peltor WorkTunes Pro Cap Attach AM/FM CL5 - SLC80 30db(A)

3M PELTOR

ProTac[™] III Level-Dependent Earmuffs

- Digital level-dependent function for ambient listening
- Standard headset for high attentuation - Slim headset for medium attenuation
- Voice guided menu system 3.5mm jack: listen only stereo input to connect to external devices
- · Dual shell design to
- protect electronics Two AA batteries
- included (approx. 100hrs use)

CODE DESCRIPTION

EMS13H220A	Peltor ProTac III Headband Slim CL5 - SLC80 26db(A)
EMS13H220P3E	Peltor ProTac III Cap Attach Slim CL4 - SLC80 24db(A)
EMS13H221A	Peltor ProTac III Headband STD CL5 - SLC80 30db(A)
EMS13H221P3E	Peltor ProTac III Cap Attach STD CL5 - SLC80 30db(A)

High Attenuation Standard Headsets

 Microphone/speaker system with excellent attenuation

3M PELTOR

- Optimised acoustic design for best possible sound quality and comfort
- · Quick positioning, dynamic speech boom microphone with effective noise compensation for clear, reliable communication
- · Beam mounted earphones for minimal resonance and distortion
- Stainless steel headband
- Fluid filled ear cushions
- Standard J11 connection (Nexus TP-120)

EMSMT7H79A



EMSMT7H79P3E

CODE	DESCRIPTION
EMSMT7H79A	Peltor High Attenuation Headband CL5 - SLC80 31dB(A)
EMSMT7H79B	Peltor High Attenuation Neckband CL5 - SLC80 26dB(A)
EMSMT7H79P3E	Peltor High Attenuation Cap Attach CL5 - SLC80 29dB(A)

3M PELTOR ProTac[™] Hunter & Shooter

- **Headsets** • Digital level-dependent
- function for ambient listening
- · Large user-friendly push buttons
- Dual shell design to protect electronics
- · Stainless steel wire headband
- · Voice guided menu system
- 3.5mm jack: listen-only stereo input to connect to external devices
- Two AA batteries included (approx. 100hrs use)

DESCRIPTION

CODE EMS13H222A Peltor ProTac Hunter Headband CL5 - SLC80 26db(A) EMS13H223A Peltor ProTac Shooter Headband CL5 - SLC80 32db(A)

EMSHRXS221A

EMS13H223A



EMS13H220P3E

0 EMS15H7AWS6

EMSH7A4310AZ

EMSH7P3E4310AZ

Peltor WS PROTAC XPI Headband CL5 - SLC80 32dB(A) Peltor WS PROTAC XPI Cap Attach CL5 - SLC80 27dB(A) EMS15H7AWS6FLX2 Peltor WS PROTAC XPI FLX2 Headband CL5 - SLC80 32dB(A)

EMS15H7BWS6FLX2 EMS15H7P3EWS6FLX2 Peltor WS PROTAC XPI FLX2 Cap Attach CL5 - SLC80 27dB(A)

EMS15H7P3EWS6 DESCRIPTION





HEARING PROTECTION QUICK REFERENCE GUIDE

ТҮРЕ	CODE	DESCRIPTION	BRAND	CLASS	SLC80	WEIGHT (GRAMS)	CLAMPING FORCE (N)	PAGE
	EPOU	UNCORDED PROBULLET	PRO CHOICE	5	27dB	-	-	22
EARPLUGS	EPOC	CORDED PROBULLET	PRO CHOICE	5	27dB	-	-	22
	EPYC	CORDED PROBELL	PRO CHOICE	5	27dB	-	-	22
	EPYU	UNCORDED PROBELL	PRO CHOICE	5	27dB	-	-	22
	EPBMDC	CORDED PROBELL DETECTABLE	PRO CHOICE	5	27dB	-	-	22
	EP1300	UNCORDED SKULL SCREWS	3M E•A•R	5	27dB	-	-	20
	EP1301	CORDED SKULL SCREWS	3M E•A•R	5	27dB	-	-	20
	EPMAX1	UNCORDED MAX PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EPMAX30	CORDED MAX PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EPXTR1	UNCORDED X-TREME TAPERED PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EPXTR30	CORDED X-TREME TAPERED PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EPAS1	UNCORDED SAIR-SOFT REUSEABLE PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EPAS30R	CORDED AIR-SOFT REUSEABLE PLUG	HONEYWELL HOWARD LEIGHT	5	26dB	-	-	21
	EP3121219 EP3121221	UNCORDED TAPERFIT II R PLUG UNCORDED TAPERFIT II PLUS PLUG	3M E•A•R 3M E•A•R	5 5	26dB 26dB	-	-	20 20
	EP3121221 EP3123224	CORDED TAPERFIT II PLUS PLUG	3M E•A•R	5	26dB	-	-	20
	EPLPF1	UNCORDED MAX LITE TAPERED PLUG	HONEYWELL HOWARD LEIGHT	4	25dB	-	-	20
	EPLPF30	CORDED MAX LITE TAPERED PLUG	HONEYWELL HOWARD LEIGHT	4	25dB	-	-	21
	EPLL1	UNCORDED LASER LITE PLUG	HONEYWELL HOWARD LEIGHT	4	25dB	-	-	21
	EPLL30	CORDED LASER LITE PLUG	HONEYWELL HOWARD LEIGHT	4	25dB	-	-	21
	EPLT30	CORDED LASER TRAK DETECTABLE PLUG	HONEYWELL HOWARD LEIGHT	4	25dB	-	-	21
	EP3121256	UNCORDED SUPERFIT REGULAR PLUG	3M E•A•R	4	24dB	-	-	20
	EP3121254	CORDED SUPERFIT REGULAR PLUG	3M E•A•R	4	24dB	-	-	20
	EP3121201	UNCORDED CLASSIC BARREL PLUG	3M E•A•R	4	23dB	-	-	20
	EP3121250	UNCORDED NEON PLUG	3M E•A•R	4	23dB	-	-	20
	EP3111251	CORDED NEON PLUG	3M E•A•R	4	23dB	-	-	20
	EP3114106	CORDED DETECTABLE PLUG	3M E•A•R	4	23dB	-	-	20
BANDED	EP3111101	CORDED CLASSIC BARREL PLUG	3M E•A•R	3	21dB	-	-	20
EARPLUGS	EP3213200	UNCORDED EXPRESS POD PLUG	3M E•A•R	3	19dB	-	-	20
LARFLUGS	EP3212115	CORDED EXPRESS POD PLUG	3M E•A•R	3	19dB	-	-	20
	EP3404001	UNCORDED ULTRAFIT W CASE	3M E•A•R	3	18dB	-	-	20
	EP3404002	CORDED ULTRAFIT W CASE	3M E•A•R	3	18dB	-	-	20
	EP3404004 EPSU		3M E•A•R	3	18dB	-	-	20 22
	EPSC	UNCORDED PROSIL CORDED PROSIL	PRO CHOICE PRO CHOICE	3	18dB 18dB	-	-	22
	EP3222000	SWERVE BANDED COMFORT PODS	3M E•A•R	4	23dB	-		20
	EPOB2	OB2 OUIET BANDED PLUG	HONEYWELL HOWARD LEIGHT	3	21dB	-	-	20
	EP3222000	SWERVE BANDED FLEX28 PODS	3M E•A•R	3	20dB	-	-	20
	EPQB3	QB3 QUIET BANDED PLUG	HONEYWELL HOWARD LEIGHT	3	20dB	-	-	21
	EPQB1	QB1 QUIET BANDED PLUG	HONEYWELL HOWARD LEIGHT	2	16dB	-	-	21
EARMUFFS	EMX5A	X5A HEADBAND MUFF	3M PELTOR	5	35dB	352	11.1	24
EARIVIUFFS	EMH10B	H10 SERIES NECKBAND MUFF	3M PELTOR	5	34dB	282	11.2	24
	EMH10A	H10 SERIES HEADBAND MUFF	3M PELTOR	5	33dB	296	10.3	24
	EMX5B	X5B NECKBAND MUFF	3M PELTOR	5	31dB	200	13	24
	EMX4A	X4A HEADBAND MUFF BLACK	3M PELTOR	5	31dB	183	12	24
	EMH7F	H7F SERIES FOLDING MUFF	3M PELTOR	5	31dB	236	10.6	24
	EMH7FHV	H7F SERIES HI VIS FOLDING MUFF	3M PELTOR	5	31dB	236	10.6	24
	EMPYTS	PYTHON SLIMLINE HEADBAND MUFF	PRO CHOICE	5	31dB	366	12.5	22
	EM120FHV	VERISHIELD VS120 FOLDING MUFF HV	HONEYWELL HOWARD LEIGHT	5	31dB	227	11.3	23
	EM120FHV EM120F	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT	5 5	31dB 31dB	227 227	11.3 11.3	23 23
	EM120FHV EM120F EMH7A	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR	5 5 5	31dB 31dB 30dB	227 227 216	11.3 11.3 12.9	23 23 24
	EM120FHV EM120F EMH7A EM120	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT	5 5 5 5	31dB 31dB 30dB 30dB	227 227 216 191	11.3 11.3 12.9 10.2	23 23 24 23
	EM120FHV EM120F EMH7A EM120 EMH7B	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR	5 5 5 5 5	31dB 31dB 30dB 30dB 28dB	227 227 216 191 202	11.3 11.3 12.9 10.2 11.9	23 23 24 23 24
	EM120FHV EM120F EMH7A EM120 EMH7B EM120N	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT	5 5 5 5 5 5 5	31dB 31dB 30dB 30dB 28dB 27dB	227 227 216 191 202 169	11.3 11.3 12.9 10.2 11.9 12.3	23 23 24 23 24 23 24 23
	EM120FHV EM120F EMH7A EM120 EMH7B EM120N EM120N EMX4B	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR	5 5 5 5 5 5 5 5	31dB 31dB 30dB 30dB 28dB 27dB 27dB	227 227 216 191 202 169 222	11.3 11.3 12.9 10.2 11.9 12.3 12.2	23 23 24 23 24 23 24 23 24
	EM120FHV EM120F EMH7A EM120 EMH7B EM120N	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT	5 5 5 5 5 5 5	31dB 31dB 30dB 30dB 28dB 27dB	227 227 216 191 202 169	11.3 11.3 12.9 10.2 11.9 12.3	23 23 24 23 24 23 24 23
	EM120FHV EM120F EMH7A EM120 EM120 EM120N EM120N EMX4B EMVIP	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE	5 5 5 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 27dB 26dB	227 216 191 202 169 222 210	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8	23 23 24 23 24 23 24 23 24 22
	EM120FHV EM120F EMH7A EM120 EM120 EM120N EM120N EM24B EMVIP EM1010421	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 9RO CHOICE HONEYWELL HOWARD LEIGHT	5 5 5 5 5 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB	227 227 216 191 202 169 222 210 136	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2	23 23 24 23 24 23 24 23 24 22 23
	EM120FHV EM120F EMH7A EM120 EM120 EM120N EM20N EM20N EM20N EM20N EM1010421 EMH9B	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 9RO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR	5 5 5 5 5 5 5 5 5 5 4	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB 24dB	227 227 216 191 202 169 222 210 136 139	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2	23 23 24 23 24 23 24 23 24 22 23 24
	EM120FHV EM120F EMH7A EM120 EM120 EM120N EM20N EM20N EM120N EM120N EM120N EM1010421 EM19B EM19A EM19A EMPYTNB	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR 3M PELTOR PRO CHOICE	5 5 5 5 5 5 5 5 4 4 4 4	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB 24dB 24dB 23dB	227 227 216 191 202 169 222 210 136 139 150 255	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4	23 23 24 23 24 23 24 22 23 24 24 22
САР	EM120FHV EM120F EMH7A EM120 EM120 EM120N EM20N EM20N EM120N EM120N EM1010421 EM19B EM19A EM19A EM19A EM19A EM19A	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR 3M PELTOR PRO CHOICE 3M PELTOR	5 5 5 5 5 5 5 4 4 4 4 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB 24dB 24dB 23dB	227 227 216 191 202 169 222 210 136 139 150 255	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1	23 23 24 23 24 23 24 22 23 24 24 22 23 24 24
CAP ATTACHED	EM120FHV EM120F EM120 EM17A EM120 EM120N EM20N EM120N EM120N EM120N EM1010421 EM19B EM19A EM19A EM19A EM19A EM19A EM19TNB	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF PYTHON SLIMLINE CAP ATTACH	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE	5 5 5 5 5 5 5 4 4 4 4 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB 24dB 24dB 23dB 33dB 31dB	227 227 216 191 202 169 222 210 136 139 150 255 320 301	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1 13	23 23 24 23 24 23 24 22 23 24 24 22 24 22
ATTACHED	EM120FHV EM120F EM120F EM120 EM120 EM120N EM120N EM120N EM120N EM120N EM120N EM1010421 EM19B EM19A EM19A EM19A EM19A EM19TNB	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF PYTHON SLIMLINE CAP ATTACH X5P CAP ATTACH MUFF BLACK	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR	5 5 5 5 5 5 5 4 4 4 4 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 26dB 26dB 24dB 24dB 23dB 33dB 31dB	227 227 216 191 202 169 222 210 136 139 150 255 320 301 353	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1 13 10.5	23 23 24 23 24 23 24 22 23 24 24 22 24 22 24
	EM120FHV EM120F EM120F EM120 EM120 EM120N EM120N EM120N EM120N EM120N EM120N EM1010421 EM19B EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM17A	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF PYTHON SLIMLINE CAP ATTACH X5P CAP ATTACH MUFF BLACK H7P SERIES CAP ATTACH MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE MONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR 3M PELTOR 3M PELTOR 3M PELTOR 3M PELTOR	5 5 5 5 5 5 5 4 4 4 4 5 5 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 26dB 26dB 24dB 24dB 24dB 23dB 33dB 31dB 31dB	227 227 216 191 202 169 222 210 136 139 150 255 320 301 353 240	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1 13 10.5 11.0	23 23 24 23 24 23 24 22 23 24 24 22 24 22 24 22 24 22
ATTACHED	EM120FHV EM120F EM120F EM120 EM120 EM120N EM120N EM120N EM120N EM120N EM198 EM1010421 EM198 EM198 EM198 EM198 EM198 EM197 ECH10P ECPYTS ECX5P ECH7P EC120H	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF WIPER HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF PYTHON SLIMLINE CAP ATTACH X5P CAP ATTACH MUFF BLACK H7P SERIES CAP ATTACH MUFF VERISHIELD VS120CAP ATTACH MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE HONEYWELL HOWARD LEIGHT 3M PELTOR 9RO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR 9RO CHOICE 3M PELTOR 9M PELTOR 9RO CHOICE	5 5 5 5 5 5 4 4 4 4 5 5 5 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 25dB 24dB 24dB 23dB 33dB 31dB 31dB 30dB 28dB	227 227 216 191 202 169 222 210 136 139 150 255 320 301 353 240 195	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1 13 10.5 11.0 10.5	23 23 24 23 24 22 23 24 22 23 24 24 22 24 22 24 22 24 22 24 22
ATTACHED	EM120FHV EM120F EM120F EM120 EM120 EM120N EM120N EM120N EM120N EM120N EM120N EM1010421 EM19B EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM19A EM17A	VERISHIELD VS120 FOLDING MUFF HV VERISHIELD VS120 FOLDING MUFF H7 SERIES HEADBAND MUFF VERISHIELD VS120 HEADBAND MUFF H7 SERIES NECKBAND MUFF VERISHIELD VS120 NECKBAND MUFF X4B NECKBAND MUFF VIPER HEADBAND MUFF MACH 1 HEADBAND MUFF H9 SERIES NECKBAND MUFF H9 SERIES HEADBAND MUFF PYTHON SLIMLINE NECKBAND MUFF H10P SERIES CAP ATTACH MUFF PYTHON SLIMLINE CAP ATTACH X5P CAP ATTACH MUFF BLACK H7P SERIES CAP ATTACH MUFF	HONEYWELL HOWARD LEIGHT HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR HONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE MONEYWELL HOWARD LEIGHT 3M PELTOR PRO CHOICE 3M PELTOR PRO CHOICE 3M PELTOR 3M PELTOR 3M PELTOR 3M PELTOR 3M PELTOR	5 5 5 5 5 5 5 4 4 4 4 5 5 5 5 5 5 5 5 5	31dB 31dB 30dB 28dB 27dB 27dB 26dB 26dB 26dB 24dB 24dB 24dB 23dB 33dB 31dB 31dB	227 227 216 191 202 169 222 210 136 139 150 255 320 301 353 240	11.3 11.3 12.9 10.2 11.9 12.3 12.2 10.8 7.2 12.2 10.8 14.4 9.1 13 10.5 11.0	23 23 24 23 24 23 24 22 23 24 24 22 24 22 24 22 24 22