3M Science. Applied to Life.™

3M[™] PELTOR[™] H31 Range Passive Ear Muffs

Technical datasheet

Product description

The 3M[™] PELTOR[™] H31 range passive ear muffs are available in headband, neckband or helmet mounted version. These products are designed to provide good level of attenuation that meets the needs of many industrial applications where high levels of noise may be encountered. These products are particularly suited to meet the needs of the forestry industry.

When correctly selected and worn these products help reduce exposure to hazardous levels of noise and loud sounds.

The helmet mounted version is designed to fit a wide range of industrial safety helmets (see below for further details).

Key features

- Attractive, low profile stylish design
- Bevelled cup design improves compatibility with industrial safety helmets
- Liquid and foam sealing rings for improved comfort
- Helmet mounted version fits directly to many industrial safety helmets without the need of any adapter
- Large space inside cup helps reduce moisture and heat build-up
- Soft wide cushions helps reduce pressure around the ears and improves comfort and wearability
- Easy to replace cushions and inserts helps keep them hygienically clean
- Unique low profile headband design helps maintain constant pressure thus providing confidence in protection

Applications:

The 3M[™] PELTOR[™] H31 range ear muffs are ideal for protection against noise arising from a wide range of applications in the workplace and leisure activity. Examples of typical applications include:-

- Forestry
- Engineering
- Foundry
- Metal processing
- Woodworking
- Construction
- Textile manufacture
- Chemical and pharmaceutical manufacture
- Cement manufacture
- Printing

Standards and ppprovals:

The 3M[™] PELTOR[™] H31 range ear muffs are tested and CE approved against the European Standard EN 352-1:2002 (headband and neckband version) and EN 352-3:2002 (helmet mounted version). These products meet the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC. These products have been examined at the design stage by the Finnish Institute of Occupational Health (FIOH), Topeliuksenkatu 41aA, FIN-00250 Helsinki, Finland (Notified Body number 0403).





Helmet mounted version approved combination

3M [™] 3M [™] Versaflo [™] M-106, M-107, M-306, M-307AFML3M [™] G500 HeadgearESML3M [™] (PELTOR [™])G200K, ESML3M [™] (PELTOR [™])G22ESML3M [™] (PELTOR [™])G3000ESMLAuboueixBrennusFSMLAuboueixFondelecFSMLAuboueixIrisALFSML	Helmet brand	Model	P3 Adapter	H31 P3 300
BM"SM Versafio M-106, M-107, M-306, M-307AFMLMM"(PELTOR")G200FSMLMM"(PELTOR")G200FSMLMM"(PELTOR")G200FSMLAubouskBrenusFSMLAubouskFondelscFSMLAubouskInisFSMLAubouskInisFSMLAubouskInisFSMLBerendsen SafetyBalance AC/3M 1465FMLBerendsen SafetyBalance AC/3M 1465FSMLBerendsen SafetyBalance AC/3M 1465FSMLCenturion1100/ARCO 1ye 2HSMLCenturion1100/ARCO 1ye 2HSMLCenturion1105/ARCO 1usAMLCenturion1100/ARCO 1ye 2AMLCenturion1100/ARCO 1ye 2AMLCenturion1100/ARCO 1ye 2AMLCenturion1100/ARCO 1ye 2AMLCenturion1100/ARCO 1ye 2AMLCenturion100/ARCO 1ye 2A	3M™	1465	Е	ML
BM*G500 HeadgearESMLSM*C2000K, ESMLSM*C2000K, ESMLSM*G2000ESMLSM*G3000ESMLAubousikBrenrusFSMLAubousikBrenrusFSMLAubousikIrisEMLBarenden SafetyBalance AC/3M 1465EMLBerenden SafetyBalance AC/3M 1465KSMLBerenden SafetyBalance AC/3M 1465HSMLBerenden SafetyBalance AC/3M 1465HSMLCenturion100/ARCO type 2HSMLCenturion100/ARCO type 2HSMLCenturion1540/ARCO plusHSMLCenturion1540/ARCO plusASMLLASLP2002ESMLMSAV-Gard IIESMLMSAV-Gard IIESMLPotectorStyle G00ESMLPotectorStyle G00ESMLProtectorStyle G00ESMLRömerPofit NomazBSMLRömerPofit NomazBSMLRömerPofit NomazBSMLSchubertBRO/WCG80ESMLSchubertBCN/WCG80ESMLSchubertBCN/WCG80ESMLSchubertBCN/WCG80ESMLSchubertBCN/WCG80ESMLSchubertBCN/W	3M [™]	Airstream AH1, AH4, AH7, HT-701, HT-702, HT-705, HT-707	AE	ML
M'(PELTOR')G200K, ESMLSM'(PELTOR')G2ESMLSM'(PELTOR')G3000ESMLAbbuekBrenusFSMLAubuekFondelecFSMLAubuekIris 2EMLBarenden SarteyBalance AC/3M 1465EMLBerenden SarteyBalance AC/3M 1465EMLBerenden SarteyBalance AC/3M 1465ESMLBerenden SarteyBalance AC/3M 1465ESMLBerenden SarteyBalance HDMSMLCenturion1D0/ARCO type 2HSMLCenturion1540/ARCOAMLCenturion1540/ARCOAMLCenturionConceptESMLKemiraTop CapASMLKemiraTop CapASMLMSAU2002ESMLMSAU2003ESMLProtectorStyle 600ESMLProtectorStyle 600ESMLProtectorN2 Atlas NomazBSMLRömerMarcu Top Atlas NomazBSMLRömerN2 Atlas NomazBSMLRömerTop Expo AtlasBSMLRömerTop Expo AtlasBSMLRömerProf ExpoESMLRömerTop Expo AtlasBSMLRömerProf ExpoESMLSchubertBER0/WPCB1BSML	3M [™]	3M™ Versaflo™ M-106, M-107, M-306, M-307	AF	ML
BM*(PELTOR*)G22ESMLAM*(PELTOR*)G3000ESMLAMboueixFronousFSMLAuboueixFondelecFSMLAuboueixIrisEMLAuboueixIris 2EMLBerendsen SafetyBalance AC/3M 1465EMLBerendsen SafetyBalance HDNSMLBerendsen SafetyBalance AC/3M 1465ESMLBerendsen SafetyBalance AC/3M 1465ESMLBerendsen SafetyBalance AC/3M 1465ESMLCenturion100/ARCO plusHSMLCenturion1125/ARCO plusASMLCenturionConceptESMLCenturionTop CapASMLLSLP2002ESMLMSAU-P2002ESMLMSASuper V-Gard IIESMLProtectorStyle 900ESMLProtectorStyle 900ESMLRömerRorus Top Aflas NomazBSMLRömerPolis NomazBSMLRömerPolis NomazBSMLRömerPolis NomazBSMLSchubertBRO/WPCB0ESMLSchubertBRO/WPCB0ESMLSchubertBRO/WPCB0ESMLSchubertBRO/WPCB0ESMLSchubertBRO/WPCB0ESMLSchubertBRO/WPCB0ESML	3M [™]	G500 Headgear	Е	SML
BM*(PELTOR")G3000ESMLAubousixFronnusFSMLAubousixFroineFSMLAubousixFrisFMLAubousixFrisFMLBarendsen SafetyBalance AC/3M 1465EMLBarendsen SafetyBalance ADRSMLBarendsen SafetyBalance HDNSMLBarendsen SafetyBalance HDNSMLCenturion1105/ARC0 type 2HSMLCenturion156/ARC0 plusHSMLCenturionT56/ARC0 plusASMLCenturionConceptESMLLASLP2002ESMLLASLP2003ESMLMSASuper V-Gard IIESMLProtectorTuffmaster IIE,GSMLProtectorTuffmaster IIE,GSMLRömerRoroz Top Atlas NomazBSMLRömerN2 Atlas NomazBSMLRömerN2 Atlas NomazBSMLRömerRoroz Top Atlas NomazBSMLRömerRoroz Top Atlas NomazBSMLSchubertBCN VNEROESMLSchubertBCN VNEROBSMLSchubertBCN VNEROBSMLSchubertBCN VNEROBSMLSchubertBCN VNEROBSMLSchubertBCN VNEROBSMLSchubertBOP RBSM	3M [™] (PELTOR [™])	G2000	K, E	SML
AuboueixBrennusFSMLAuboueixFondelecFSMLAuboueixIrisEMLAuboueixIris 2EMLBarendsen SafetyBalance AC/3M 1465EMLBerendsen SafetyBalance AC/3M 1465EMLBerendsen SafetyBalance HDNSMLBerendsen SafetyRobustESMLCenturion1100/ARCO plusHSMLCenturionConceptESMLCenturionConceptESMLKemiraTop CapASMLLASLP2006ESMLMSAV-GardESMLMSAV-GardESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLRömerPorfi KapoBSMLRömerNord KausBSMLRömerNord KausBSMLRömerPorfi KapoESMLRömerPorfi KapoBSMLRömerPorfi KapoBSMLSchubertENBSMLSchubertENBSMLSchubertENBSMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertConcepicESMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBOP R<	3M [™] (PELTOR [™])	G22	Е	SML
AuboueixFondelecFSMLAuboueixIris 2EMLAuboueixIris 2EMLBerndsen SafetyBalance AC/3M 1465EMLBerndsen SafetyBalance AC/3M 1465EMLBerndsen SafetyBalance HDNSMLCenturion1100/ARC0 type 2HSMLCenturion1125/ARC0 plusHSMLCenturion1540/ARC0 plusHSMLCenturion1540/ARC0ASMLCenturion1540/ARC0ESMLKimiraTop CapASMLLSLP2006ESMLMSAUP202ESMLMSAUper V-Gard IIESMLPotectorStyle 600'ESMLProtectorStyle 600'ESMLProtectorStyle 900'ESMLProtectorStyle 900'ESMLProtectorStyle 900'ESMLRömerRomz ConazBSMLRömerN2 Atlas NomazBSMLRömerProfa NomazBSMLRömerN2 Atlas NomazBSMLSchubertBERSMLSMLSchubertBC/MCR03ESMLSchubertBC/MCR03ESMLSchubertDP RBSMLSchubertDP RBSMLSchubertBC/MCR03ESMLSchubertBS	3M™ (PELTOR™)	G3000	Е	SML
AuboueixIrisEMLAuboueixIris2MLBerendson SafetyBalance AC/30 MI465EMLBerendson SafetyBalance AL/30 MI465EMLBerendson SafetyBalance AL/30 MI465EMLBerendson SafetyBalance AL/30 MI465EMLCenturion100/ARCO type 2HSMLCenturion125/ARCO plusHSMLCenturionConceptASMLCenturionDo Cape PLASMLLASLP2002ESMLLASLP2002ESMLMSASuper V-Gard IIESMLVoltaVertexESMLPotectorSyle 300'ESMLProtectorSyle 600ESMLRömerMarcu Top Atlas NomazBSMLRömerMarcu Top Atlas NomazBSMLRömerProfi ExpoESMLRömerProfi ShomazBSMLRömerBER SESMLRömerBER SESMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBER SESMLSchubertBONRBSMLSchubertBANSMLSMLSchubertBOP RBSMLSchubertBER SESMLSchubertBOP RBSMLSchubertBANB <td>Auboueix</td> <td>Brennus</td> <td>F</td> <td>SML</td>	Auboueix	Brennus	F	SML
AuboueixIris 2EMLBerendes SafetyBalance AC/3M 1465EMLBerendes SafetyBalance AC/3M 1465RMLBerendes SafetyBalance HDNSMLBerendes SafetyRobutESMLCenturion100/ARCO type 2HSMLCenturion125/ARCO plusAMLCenturion126/ARCO plusAMLCenturion126/ARCO plusASMLCenturionTop CapASMLLASLP2006ESMLMSASuper Y-Gard IIESMLProtectorSyle 600ESMLProtectorSyle 600ESMLProtectorSyle 600ESMLProtectorSyle 600ESMLRömerMarcus Top Atlas NomazBSMLRömerNarcus Top Atlas NomazBSMLRömerProfi ExpoESMLRömerBENSMLSMLSchubertBENBSMLSchubertBENBSMLSchubertBENBSMLSchubertSMLSMLSMLSchubertGonifeMLSMLSchubertBENBSMLSchubertBOP RBSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSML <td>Auboueix</td> <td>Fondelec</td> <td>F</td> <td>SML</td>	Auboueix	Fondelec	F	SML
Berendsen SafetyBalance AC/3M 1465EMLBerendsen SafetyBalance AD/3M 1465EMLBerendsen SafetyBalance AD/3M 1465ESMLBerendsen SafetyBolance AD/2M 1465ESMLCenturion100/ARCO type 2HSMLCenturion125/ARCO plusHSMLCenturionConceptESMLCenturionConceptESMLKemiraTop CapASMLLASLP2002ESMLLASLP2002ESMLMSASuper V-Gard IIESMLProtectorStyle 300°ESMLProtectorStyle 300°ESMLProtectorTuffmaster IIE,GMLRömerN2 Adlas NomazBSMLRömerN2 Adlas NomazBSMLRömerProfi ExpoESMLRömerProfi SpoESMLSchubertBEN SULSSMLSMLSchubertBEN SULSESMLSchubertBCN CROESMLSchubertBCN CROESMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertBCN CROESMLSchubertBCN CROESMLSchubertBCN CROESMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubert </td <td>Auboueix</td> <td>Iris</td> <td>Е</td> <td>ML</td>	Auboueix	Iris	Е	ML
Berendsen Safety Balance AC/3M 1465 E ML Berendsen Safety Balance HD N SML Berendsen Safety Robust E SML Centurion 100/ARCO type 2 H SML Centurion 125/ARCO plus H SML Centurion Concept A ML Centurion Concept E SML Kemira Top Cap A SML LAS LP2006 E SML MSA Super V-Gard II E SML MSA Vard E SML Protector Style 300° E SML Rômer Marcus Top Atlas Nomaz B SML Rômer Marcus Top Atlas Nomaz B SML Rômer Top Expo Atlas BR <t< td=""><td>Auboueix</td><td>Iris 2</td><td>E</td><td>ML</td></t<>	Auboueix	Iris 2	E	ML
Perendsen Safety Balance HD N SML Berendsen Safety Robust E SML Centurion 1100/ARCO type 2 H SML Centurion 1125/ARCO plus H SML Centurion Gal/ARCO A ML Centurion Gal/ARCO A SML Centurion Concept E SML Kemira Top Cap A SML LAS LP2006 E SML MSA Super V-Gard II E SML MSA V-Gard E SML Protector Style 300' E SML Protector Style 300' E SML Protector Tuffmaster II E.G ML Römer Marcus Top Atlas Nomaz B SML Römer Profit Expo E SML Römer Profit Expo Atlas B SML Römer Profit Expo Atlas B SML	Berendsen Safety	Balance	E	ML
Berendsen SafeYRobustESMLCenturion1100/ARCO type 2HSMLCenturion125/ARCO plusHSMLCenturion1540/ARCOAMLCenturionConceptESMLKemiraTop CapASMLLASLP2002ESMLMSASuper V-Gard IIESMLMSAV-GardESMLPetzlVertexESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLRömerBravo 2 NomazBSMLRömerNacu Stop Atlas NomazBSMLRömerProfit ExpoESMLRömerTop Expo AtlasBSMLSchubertBERSESMLSchubertBERSESMLSchubertBERSESMLSchubertGourdESMLSchubertGDVESMLSchubertDERSO/WPCSOEASMLSchubertGOP RBSMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP SMLESMLSchubertGOP	Berendsen Safety	Balance AC/3M 1465	Е	ML
deturion 1100/ARCO type 2 H SML Centurion 1125/ARCO plus H SML Centurion 1540/ARCO A ML Centurion 1540/ARCO A ML Centurion Concept E SML LAS LP2002 E SML LAS LP2006 E SML MSA Super V-Gard II E SML MSA V-Gard II E SML Protector Style 300' E SML Protector Style 300' E SML Protector Style 600 E SML Protector Style 600 E SML Römer Brava 2 Nomaz B SML Römer Nactus Top Atlas Nomaz B SML Römer NPoff Expo E SML Römer Proffa Nomaz E SML Schubert BER S SML SML Sc	Berendsen Safety	Balance HD	Ν	SML
CenturionH100/ARCO type 2HSMLCenturion1125/ARCO plusHSMLCenturion1540/ARCOAMLCenturionTop CapeESMLLASLP2002ESMLLASLP2006ESMLMSASuper V-Gard IIESMLPotectorStyle 300'ESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLProtectorStyle 300'ESMLRömerMarcus Top Atlas NomazBSMLRömerNarcus Top Atlas NomazBSMLRömerNerop Atlas NomazBSMLRömerProfi ExpoESMLRömerNorda SchubertBSMLSchubertBER SESMLSchubertBCNBSMLSchubertBCNBSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertDOP RBSMLSchubertSMSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertBDP RESMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchube	Berendsen Safety	Robust	E	SML
Centurion1125/ARCO plusHSMLCenturion1540/ARCOAMLCenturionConceptESMLKemiraTop CapASMLLASLP2002ESMLLASLP2006ESMLMSASuper V-Gard IIESMLPotacorV-GardESMLProtectorSyle 300°ESMLProtectorSyle 300°ESMLProtectorSyle 300°ESMLProtectorNyle 600ESMLRömerNacus Top Atlas NomazBSMLRömerNacus Top Atlas NomazBSMLRömerYoft ExpoESMLRömerNo fitspoESMLRömerTop Expo AtlasBSMLSchubertBERSSMLSMLSchubertBERS/WPCS0ESMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSVISMLSMLSchubertSMLSML <td></td> <td>1100/ARCO type 2</td> <td>Н</td> <td>SML</td>		1100/ARCO type 2	Н	SML
Centurion1540/ARCOAMLCenturionConceptESMLKemiraTop CapASMLLASLP2006ESMLLASUP2006ESMLMSASuper V-Gard IIESMLPetzlVertexESMLProtectorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NumazBSMLRömerNacus Top Atlas NomazBSMLRömerProfa KomazESMLRömerTop Expo AtlasBSMLSchubertBENBSMLSchubertBENBSMLSchubertBENBSMLSchubertGorg AtlasBSMLSchubertGDR RBSMLSchubertGDR RBSMLSchubertGOV/WPCSOESMLSchubertH91/WPL91EBSMLSchubertGOPasESMLSchubertGopasiaEBSMLSchubertGopasiaESSMLSchubertGopasiaESMLSchubertGOPasiaESMLSchubertGopasiaESMLSchubertGopasiaESMLSchubertGopasiaESMLSchubertGopasiaESMLSchubertGopasia <t< td=""><td>Centurion</td><td></td><td>Н</td><td></td></t<>	Centurion		Н	
CenturionConceptESMLKemiraTop CapASMLLASLP2002ESMLLASLP2006ESMLMSASuper V-Gard IIESMLMSAV-GardESMLProtactorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerN2 Atlas NomazBSMLRömerPofia NomazESMLRömerPofia NomazESMLSchubertBERSESMLSchubertBERS/WPC80ESMLSchubertSOPESMLSchubertGOPESMLSchubertSH 91/WPL 91EBSMLSofor TailaplastOpusEMLSofor TailaplastOpusESMLVersIang 88SMLESMLSofor TailaplastOpusESMLVersIang 88ESMLVersIang 88ESMLVersIang 84ESMLVersIang 88ESMLVersIang 88ESMLVersIang 88ESMLVersIang 88ESMLVersIang 88ESMLVersIang 88ESMLVersIang 88ESML<	Centurion		А	ML
KemiraTop CapASMLLASLP2002ESMLLASLP2006ESMLMSASuper V-Gard IIESMLMSAV-GardESMLPotactorStyle 300°ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerProfit ExpoBSMLRömerProfit ExpoESMLRömerProfit SpoESMLRömerProfit SpoESMLRömerProfit SpoESMLRömerSpe Spo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertSPI Spo AtlasBSMLSchubertSPI Spo AtlasESMLSchubertBOP RBSMLSchubertSPI Spo AtlasESMLSchubertSPI Spo Atlas	Centurion			
LASLP2002ESMLLASLP2006ESMLMSASuper V-Gard IIESMLMSAV-GardESMLPotactorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerN2 Atlas NomazBSMLRömerProfi ExpoESMLRömerProfi NomazBSMLRömerBR SNBSMLRömerBENBBSMLSchubertBERSESMLSchubertBOP RBSMLSchubertSOP RBSMLSchubertOpsESMLSchubertSMI PONIERBSMLSchubertSOP RESMLSchubertMA SMLBSMLSchubertSMI PONIERBSMLSchubertSMI PONIERBSMLSchubertGosEMLSchubertSMI PONIEREMLSchubertMA SMLEMLSchubertJang MasterESMLSchubertGosESMLSchubertJang MasterESMLSchubertJang MasterESMLSchubertJang MasterESMLSchubertJang MasterESMLSchubertJang MasterE		·		
LASLP2006ESMLMSASuper V-Gard IIESMLMSAV-GardESMLPetzlVertexESMLProtectorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerN2 Atlas NomazBSMLRömerProfi ExpoESMLRömerProfi SpoESMLRömerTop Expo AtlasBSMLRömerBENBBSMLSchubertBERSESMLSchubertBOP RBSMLSchubertSON PESMLSchubertSMI PI/WPL91EBSMLSchubertSM1EBSMLSchubertOpusEMLSofor JaliaplastOpusEMLSofor StilaplastOpusEMLVEXAirvingESMLVesInap MasterESMLVossInap PCGGML				
MSASuper V-Gard IIESMLMSAV-GardESMLProtectorStyle 300°ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerN2 Atlas NomazBSMLRömerProfi ExpoESMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerSolubertBSMLSchubertBER SESMLSchubertBCNBSMLSchubertSOP RBSMLSchubertSVI 1EBSMLSchubertSVI 1EBSMLSchubertSVI 1EBSMLSchubertSVI 1EBSMLSchubertQoeanicEMLSofop TalisplastOpusEMLSofop TalisplastOpusESMLVossInap MasterESMLVossInap MasterESMLVossInap PCGGML				
MSAV-GardESMLPetzlVertexESMLProtectorStyle 300°ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerProfi ExpoBBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerProfi ExpoBSMLRömerBENSMLSMLSchubertBER SBSMLSchubertBER SBSMLSchubertBOP RBSMLSchubertSH 91/WPL 91BSMLSofop TailaplastOceanicEMLSofop TailaplastOpsESMLVersoInap 88SMLSMLVossInap MasterESMLVossInap PCGGML				
PetzlVertexESMLProtectorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfia NomazBSMLRömerTop Expo AtlasBBSMLSchubertBENBBSMLSchubertBO PBSMLSchubertSHOPRBSMLSchubertSHOPRBSMLSchubertSHOPRBSMLSchubertOpoliERBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EBSMLSchubertSHO/WPC80EB <td></td> <td></td> <td></td> <td></td>				
ProtectorStyle 300'ESMLProtectorStyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfi SpoESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBOP RBSMLSchubertSMLSMLSMLSchubertGeanicBSMLSchubertOpusESMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertBASMLSMLSchubertBASMLSMLSchubertSMLBSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLEBSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSMLSchubertSMLSMLSML <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
ProtectorSyle 600ESMLProtectorTuffmaster IIE, GMLRömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfi RomazESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBOP RBSMLSchubertSON IPBSMLSchubertGoeanicESMLSchubertOpesESMLSchubertDONERBSMLSchubertSM1EBSMLSchubertGoeanicEMLSofop TaliaplastOpusEMLVersInap 88ESMLVossInap PCGGML				
ProtectorF,GMLRömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBSMLRömerProfi ExpoESMLRömerProfia NomazESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBERSESMLSchubertBERS0/WPC80ESMLSchubertBOP RBSMLSchubertSM1BSMLSchubertGoeanicESMLSchubertOreanicBSMLSchubertGOP RBSMLSchubertGoeanicEMLSchubertGoeanicEMLSchubertIm SM1ESMLSchubertSM1ESMLSchubertGoeanicEMLStop TaliaplastOpusESMLVossIna PAsterESMLVossIna PAsterEMLVossIna PCGGML				
RömerBravo 2 NomazBSMLRömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfi Expo AtlasBSMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBER SO/WPC80EASMLSchubertBOP RBSMLSchubertSH19/WPL91BSMLSchubertSH19/WPL91EBSMLSchubertOceanicEMLSofop TaliaplastOpusEMLVOSsIna P88ESMLVossIna PAsterESMLVossIna PCGGML		•		
RömerMarcus Top Atlas NomazBSMLRömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfia NomazESMLRömerTop Expo AtlasBSMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBERSESMLSchubertBERSO/WPC80EASMLSchubertBOP RBSMLSchubertSMLBSMLSchubertVIIERBSMLSchubertOceanicEMLSofop TaliaplastOpusEMLVossInap AsaferESMLVossInap PGGGML				
RömerN2 Atlas NomazBBSMLRömerProfi ExpoESMLRömerProfia NomazESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBERS/WPC80ESMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBONIERBSMLSchubertSM1BSMLSchubertOceanicBSMLSchubertGeanicEMLSofop TaliaplastOpsEMLVersInap 88ESMLVosInap MatterEMLVosInap PCGGML				
RömerProfi ExpoESMLRömerProfia NomazESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBER80/WPC80EASMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertOpusBSMLSchubertOpusBSMLSchubertSM1EBMLSchubertOpusEMLSofop TaliaplastOpusEMLVossInap MasterESMLVossInap PGGGML				
RömerProfia NomazESMLRömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBER80/WPC80EASMLSchubertBOP RBSMLSchubertBOP RBSMLSchubertH0NIERBSMLSchubertSM1BSMLSchubertGoranicBSMLSofop TaliaplastOpusEMLVOSSInap AsterBSMLVossInap PCGGMLSofop TaliaplastInap PCGGML				
RömerTop Expo AtlasBSMLSchubertBENBBSMLSchubertBER SESMLSchubertBCR0/WPC80EASMLSchubertBOP RBSMLSchubertPIONIERBSMLSchubertSM1BSMLSchubertSM1BSMLSchubertOceanicBSMLSofop TaliaplastOpusEMLVossInap MasterESMLVossInap PCGGML				
SchubertBENBKSMLSchubertBER SESMLSchubertBER80/WPC80EASMLSchubertBOP RBSMLSchubertPIONIERBSMLSchubertSM1EBSMLSchubertSW1EBSMLSchubertSW1EBSMLSchubertOceanicEBMLSofop TaliaplastOpusEMLVEXAirwingESMLVossInap MasterESMLVossInap PCGGML				
SchubertBER SESMLSchubertBER80/WPC80EASMLSchubertBOP RBSMLSchubertPIONIERBSMLSchubertSH 91/WPL 91EBSMLSchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLVOSSInap MasterESMLVossInap PCGGML				
SchubertBER80/WPC80EASMLSchubertBOP RBSMLSchubertPIONIERBSMLSchubertSH 91/WPL 91EBSMLSchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLVVEXAirwingESMLVossInap A8aESMLVossInap PGGML				
SchubertBOP RBSMLSchubertPIONIERBSMLSchubertSH 91/WPL 91EBSMLSchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLUVEXAirwingESMLVossInap A8aESMLVossInap PCGGML				
SchubertPIONIERBSMLSchubertSH 91/WPL 91EBSMLSchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLUVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
SchubertSH 91/WPL 91EBSMLSchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLUVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
SchubertSW1EBMLSofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLUVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
Sofop TaliaplastOceanicEMLSofop TaliaplastOpusEMLUVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
Sofop TaliaplastOpusEMLUVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
UVEXAirwingESMLVossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
VossInap 88ESMLVossInap MasterEMLVossInap PCGGML				
VossInap MasterEMLVossInap PCGGML				
Voss Inap PCG G ML				
Voss Inap Star E ML				
	Voss	Inap Star	E	ML

*Protector Style 300 includes all 300-versions of this helmet.

Material listing

The following materials are used in the manufacture of this product.

	Headband and neckband version	Helmet mounted version
Headband/neckband	Stainless steel wire, PVC, Acetal	N/A
Helmet attachment arm	N/A	Stainless steel wire, Acetal, Polyamid
Cups	ABS	ABS
Insert	Polyether	Polyether
Cushions	Polyether and glycerine	Polyether and glycerine
Cushion covers	PVC	PVC

Attenuation values

3M[™] PELTOR[™] H31A 300 headband version

Frequenc	y (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)		11.2	17.4	29.7	36.2	37.3	34.7	35.7
Sf (dB)		3.7	3.8	2.5	3.1	3.6	3.2	3.7
APVf (dB)		7.5	13.6	27.2	33.1	33.7	31.5	32.0
SNR = 27dB	H = 33dB	M = 25dB	L = 15dB	APVf = Mf - sf				

3M[™] PELTOR[™] H31B 300 neckband version

Frequenc	y (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)		10.2	17.1	29.0	34.3	37.2	36.6	35.8
Sf (dB)		2.9	2.9	1.8	2.2	3.7	2.3	4.0
APVf (dB)		7.3	14.2	27.2	32.1	33.5	34.3	31.8
SNR = 27dB	H = 34dB	M = 25dB	L = 15dB	APVf = Mf - sf				

3M[™] PELTOR[™] H31P3 300 Helmet Mounted Version

Frequenc	y (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)		11.8	19.2	28.6	34.3	37.7	37.8	38.0
Sf (dB)		3.2	3.8	2.7	1.8	3.8	2.9	1.9
APVf (dB)		8.6	15.4	25.9	32.5	33.9	34.9	36.1
SNR = 28dB	H = 35dB	M = 26dB	L = 16dB	APVf = Mf - sf				

Accessories/Replacement

The cushions and inserts on the 3M[™] PELTOR[™] H31 range can be replaced with the 3M[™] PELTOR HY3 Hygiene Kit for improved comfort and reassured protection.

The 3M $^{\rm m}$ PELTOR $^{\rm m}$ HY100A and HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.



Key:

APVf = Assumed Protection Value

Mf = Mean attenuation value

sf = Standard deviation

H = High-frequency attenuation value (predicted noise level reduction for noise with $L_c - L_A = -2dB$)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with $L_c - L_a = +2dB$)

L = Low-frequency attenuation value (predicted noise level reduction for noise with $L_c - L_a = +10$ dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, L_c in order to estimate the effective A-weighted sound pressure level inside the ear)

Important notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate≈the performance of the product within its expected application. All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user. Compliance to the information and specification relative to the 3M product contained within this document and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control. Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

Personal Safety Division

3M United Kingdom PLC 3M Centre Cain Road, Bracknell Berkshire RG12 8HT t: 0870 60 800 60 www.3M.eu/PPEsafety

