



**CO-ORDINATION OF NOTIFIED BODIES**  
**PPE Regulation 2016/425**

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Version 01

**RECOMMENDATION FOR USE**

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Origin : VG 4 Hearing protection (submitted by BGIA, Germany)		<input checked="" type="checkbox"/> Vertical Group	21.04.2018
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Question related to	<input checked="" type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 352-2:2002	<input type="checkbox"/> Other:
Article:	Annex: II, 1.3.1	Clause:	
Key words: Banded earplugs worn under the chin, test dimension for sizing			
Question: EN 352-2:2002 specifies only dimensions for "over the head and under the chin" and "behind the head". How can banded earplugs be tested in case they are especially designed for only "under the chin"? For "under the chin" smaller heights may be appropriate. Which heights shall be required as minimum?			
Solution: An additional specification for "under the chin" banded earplugs is needed. Use the heads specified in EN 13819-1, figure 11 and add the following test dimensions for the test height (horizontal distance top to hole): Head A (width 125 mm): 95 mm and 110 mm (chin) Head B (width 145 mm): 90 mm, 105 and 115 mm (chin) Head C (width 155 mm): 105 mm and 115 mm (chin) Head A represents dimensions relevant for the test for the 5 <sup>th</sup> percentile of females and head C represents dimensions relevant for the test for the 95 <sup>th</sup> percentile of males. Anthropometric data used were collected in „Handbuch der Ergonomie mit ergonomischen Konstruktionsrichtlinien, Band 3; Stand: 1989, Zweite, überarbeitete und erweiterte Auflage, herausgegeben von Bundesamt für Wehrtechnik und Beschaffung, Koblenz, Carl Hanser Verlag, München, Wien“.			