

Table 2

## Medium Headform – Exterior Dimensions (Continued)

θ	Level +5 Z=2.250			Level +6 Z=2.560		
	R	X	Y	R	X	Y
0	2.526	2.526	0	1.798	1.798	0
10	2.521	2.483	0.483	1.798	1.771	0.312
20	2.464	2.315	0.843	1.757	1.651	0.601
30	2.387	2.067	1.194	1.719	1.489	0.860
40	2.305	1.766	1.482	1.678	1.285	1.079
50	2.232	1.435	1.710	1.652	1.062	1.266
60	2.174	1.087	1.883	1.641	0.821	1.421
70	2.144	0.733	2.015	1.645	0.563	1.546
80	2.132	0.370	2.100	1.673	0.291	1.648
90	2.147	0	2.147	1.712	0	1.712
100	2.213	-0.384	2.179	1.809	-0.314	1.782
110	2.316	-0.792	2.176	1.925	-0.658	1.809
120	2.463	-1.232	2.133	2.066	-1.033	1.789
130	2.624	-1.687	2.010	2.213	-1.423	1.695
140	2.763	-2.117	1.776	2.358	-1.806	1.516
150	2.863	-2.479	1.432	2.469	-2.138	1.235
160	2.919	-2.743	0.988	2.536	-2.383	0.867
170	2.954	-2.909	0.513	2.561	-2.522	0.445
180	2.958	-2.958	0	2.556	-2.556	0

θ	Level +7 Z=2.750			Notes:
	R	X	Y	
0	1.081	1.081	0	<p>1. Apex is located at (-0.75, 0, 3.02) for (X,Y,Z) or (0.75, 180, 3.02) for (R, θ, Z).</p> <p>2. Center of ear opening is located at (0.40, 2.78, -2.36) for (X,Y,Z) or (2.80, 81.8, -2.36) for (R,θ,Z).</p> <p>3. Scale all dimensions by 0.8941 for small headform.</p> <p>4. Scale all dimensions by 1.069 for large headform.</p> <p>5. Headform is symmetrical about the mid-sagittal plane.</p> <p>6. Units: R,X,Y,Z – inches. θ – degrees.</p> <p>7. To obtain metric equivalents in centimeters, multiply each figure by 2.54.</p>
10	1.088	1.072	0.189	
20	1.055	0.991	0.361	
30	1.039	0.900	0.520	
40	1.039	0.796	0.668	
50	1.052	0.676	0.806	
60	1.068	0.534	0.925	
70	1.106	0.378	1.039	
80	1.171	0.203	1.153	
90	1.242	0	1.242	
100	1.422	-0.247	1.400	
110	1.489	-0.509	1.399	
120	1.683	-0.842	1.458	
130	1.801	-1.158	1.380	
140	1.954	-1.497	1.256	
150	2.083	-1.804	1.042	
160	2.138	-2.009	0.731	
170	2.175	-2.142	0.378	
180	2.175	-2.175	0	