



C L E P A

*European Association of
Automotive Suppliers*

R129, Annex 8, Table 2

Deviant dimensions of Q-dummies

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Deviant dimensions of Q-dummies in R129



- Some of the dimensions presented in R129, Annex 8 – Table 2 are deviant to the values published from Humanetics (highlighted in red on the next slide).
- Most of these deviations were already indicated from Humanetics in October 2015, but not yet implemented.
- As we think it is crucial to have the correct values stated in the regulation an updated version of Table 2 was prepared to be included (se slide 4).

Annex 8, Table 2 - Current dimensions



No.		Q0	Q1	Q1.5	Q3	Q6	Q10	
		Dimensions in mm						
17	Seating height (head tilted forward)	355 ±9	479 ±9	499 ±9	544 ±9	601 ±9	< 748 ±9	733.7 ±9
18	Shoulder height (sitting)	225 ±7	298 ±7	309 ±7	329 ±7	362 ±7	473 ±7	
	Stature (head tilted forward)	-	740 ±9	800 ±9	985 ±9	1143 ±9	< 1443 ±9	1453.2 ±12
5	Chest depth	-	114 ±5	113 ±5	146 ±5	141 ±5	171 ±5	
15	Shoulder width	230 ±7	227 ±7	227 ±7	259 ±7	305 ±7	334.8 ±7	
13	Neck diameter	44	61.9 ¹	61.9 ¹	61.9 ¹	61.9 ¹ 58.0 ² 76.0 ³	65.0 ¹ 85.9 ⁴	
12	Hip width	-	191 ±7	194 ±7	200 ±7	223 ±7	270 ±7	
1	Back of buttocks to front of knees	130 ±5	211 ±5	235 ±5	305 ±5	366 ±5	485.4 ±5	±6
2	Back of buttocks to popliteus	-	161 ±5	185 ±5	253 ±5	299 ±5	414.9 ±5	±6
21	Thigh height, sitting	-	69	72	79	92	114	±3
	Height of spacer device for positioning of dummy ⁴	173 ±2	229 ±2	237 ±2	250 ±2	270 ±2	359 ±2	

Annex 8, Table 2 - Updated dimensions



No.		Q0	Q1	Q1.5	Q3	Q6	Q10
		Dimensions in mm					
17	Seating height (head tilted forward)	355 ±9	479 ±9	499 ±9	544 ±9	601 ±9	733.7 ±9
18	Shoulder height (sitting)	255 ±5	298 ±7	309 ±7	329 ±7	362 ±7	473 ±7
	Stature (head tilted forward)	-	740 ±9	800 ±9	985 ±9	1143 ±9	1453.2 ±12
5	Chest depth	-	114 ±5	113 ±5	146 ±5	141 ±5	171 ±5
15	Shoulder width	145 ±5	227 ±7	227 ±7	259 ±7	305 ±7	334.8 ±7
13	Neck diameter	44	61.9 ¹	61.9 ¹	61.9 ¹	61.9 ¹ 58.0 ² 76.0 ³	65.0 ¹ 85.9 ⁴
12	Hip width	-	191 ±7	194 ±7	200 ±7	223 ±7	270 ±7
1	Back of buttocks to front of knees	130 ±5	211 ±5	235 ±5	305 ±5	366 ±5	485.4 ±6
2	Back of buttocks to popliteus	-	161 ±5	185 ±5	253 ±5	299 ±5	414.9 ±6
21	Thigh height, sitting	-	69	72	79	92	114 ±3
	Height of spacer device for positioning of dummy ⁴	173 ±2	229 ±2	237 ±2	250 ±2	270 ±2	359 ±2