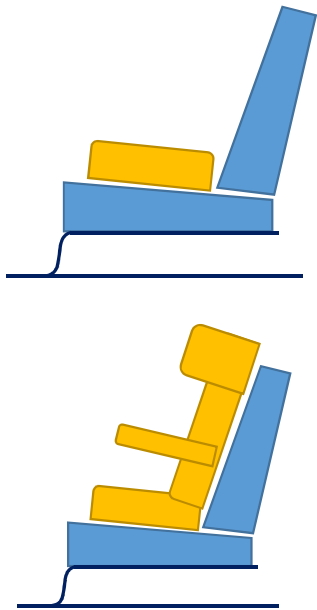




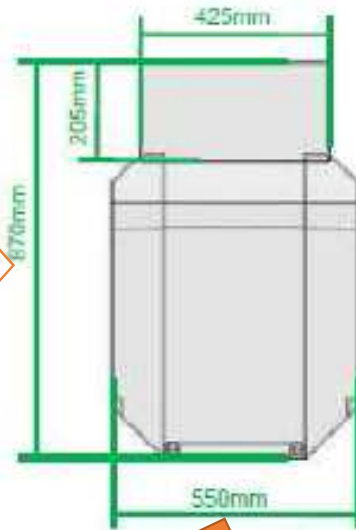
# OICA proposal for « universal booster seating position » within the R129 regulation



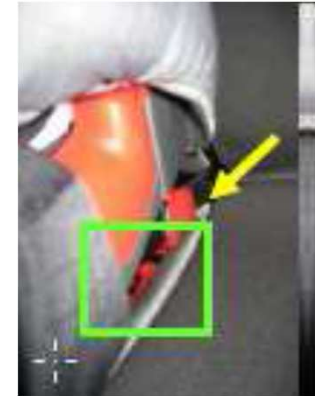
OICA requires **Universal Booster Seat Gabarit** to fit universal vehicles



Both to fit  
**Universal  
Booster Seat  
Gabarit**



Fits **all  
Vehicles**



- UN R14: minimal **width** between buckles = **350 mm**
- **5% female hip width: 300-315 mm**

**550 > 350 !**

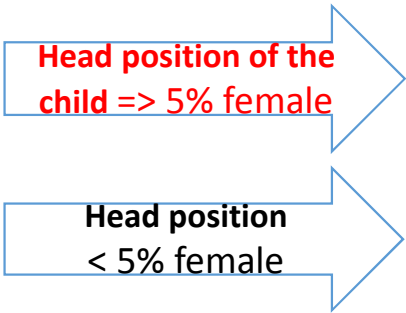
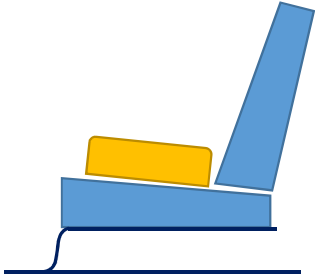
Even without the ISOFIX links connected, the width of the ISO gabarit interferes with vehicle dimensions.

*This concept will not work out as long as Universal Booster Seat Gabarit is not fitting into the car dimensions!  
Safety **Belt Routing** is also not solved.*



Size range indication	≤ 60	60 < x ≤ 75	75 < x ≤ 87	87 < x ≤ 105	105 < x ≤ 125	>125
Dummy	Q0	Q1	Q1.5	Q3	Q6	Q10

### Booster Cushion



5% female ≈ 770 mm seating height

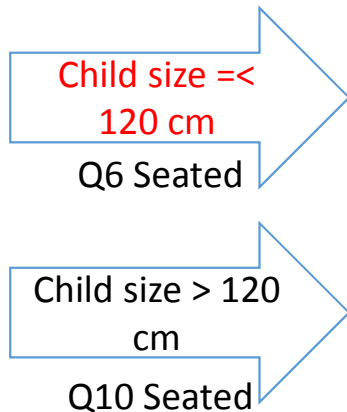
**Universal:** Side impact sufficiently done by vehicle lateral protection system

Vehicle Specific only : Side impact to be done by CRS manufacturer in cooperation with OEM  
Protection within specific Vehicle must be checked



CRS manufacturer approval label is indicated the child size to be used with cushion (depending on dummy seating Q6 >105 or Q10 >125 ).

### Booster Seat



**Universal:** Side impact to be done by CRS manufacturer Bench Test

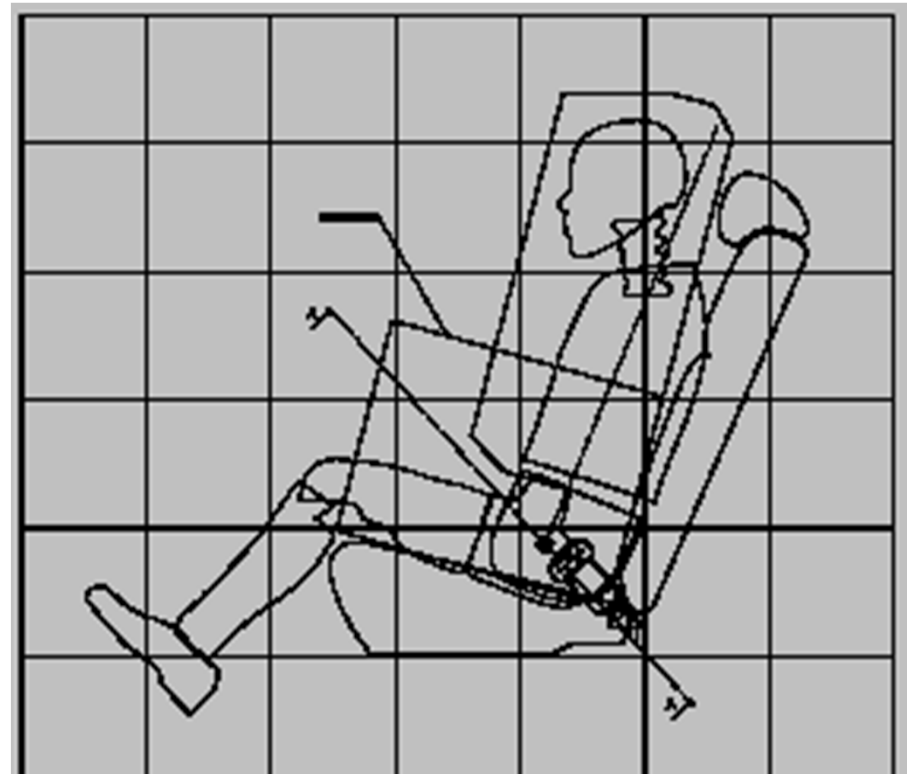
Vehicle Specific: Side impact to be done by CRS manufacturer [vehicle specific by intend or by not fitting universal booster seat gabarit]

Vehicle Specific only: Side impact to be done by CRS manufacturer  
Compatibility with specific Vehicle must be checked

**Universal:** ISO Universal Booster Seat Gabarit height has to be for ≤ 120 cm child size, which means ≤ 770 mm height.

Height & width of the ISO booster seat gabarit				
		height (cm)	sitting height (cm) 95%	hip width (cm) 95%
	Q6	105	61,8	
	Q6	120	68,1	
depending of the cushion	Q6	125	70,2	30,5
proposal:	maximum height	135	74,4	33,3
			sitting height(cm) +- 9mm	
	Q6		60,1	
	Q10		74,8	
	AF5		78,5	
	F3		72	
	iso booster		80	

The small woman is seated inside the ISO gabarit!



We propose Q6 stature seated a universal booster seat gabarit.

