



Development of Regulations 16 and 129

Packaging Assessment

OICA

GRSP ECRS 50th Informal Group – 18-19 March 2015

Geometry of the new booster fixture in comparison with the real life today: **compatibility issues**

1. The width:

- head width
- max (shoulders) width
- hip width (for buckling)

2. The height:

- accepted without ISOFIX links
- child's head \leq 50% male's head

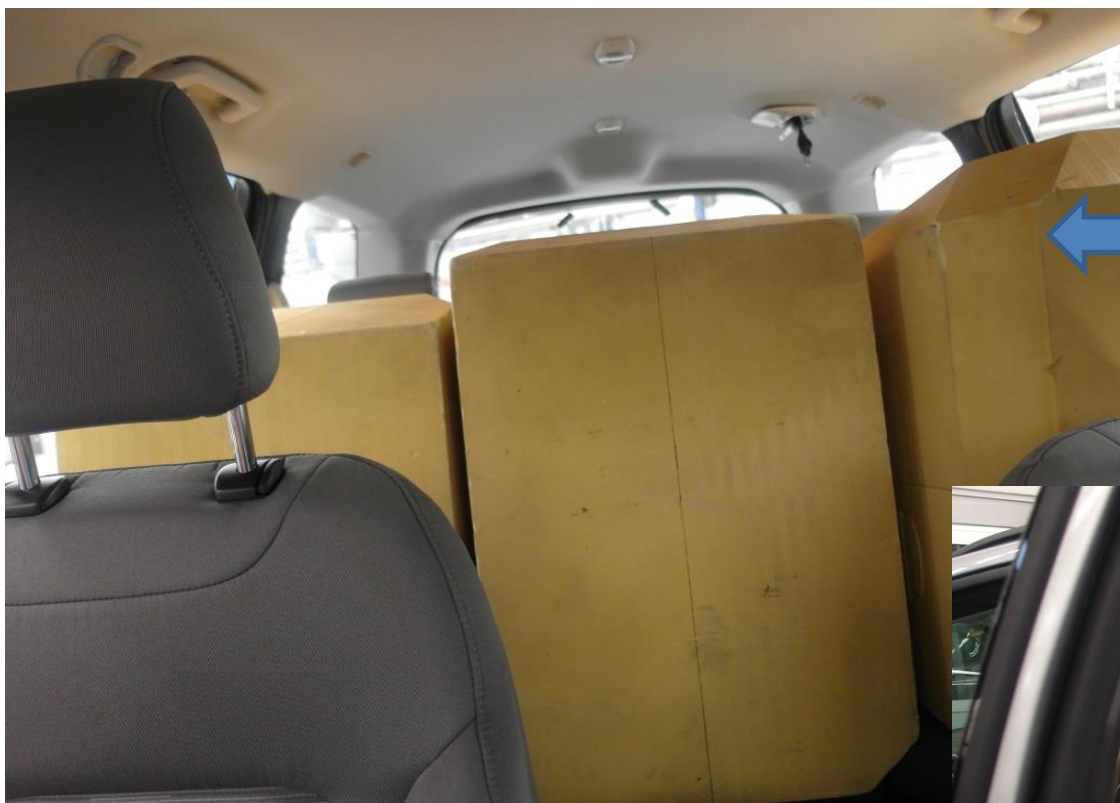
Maximum width of the fixture is too big?

Currently: no universal booster fixture is defined.



In future: maximum width could become **520mm**
=> 3 fixtures will not fit in most family cars.

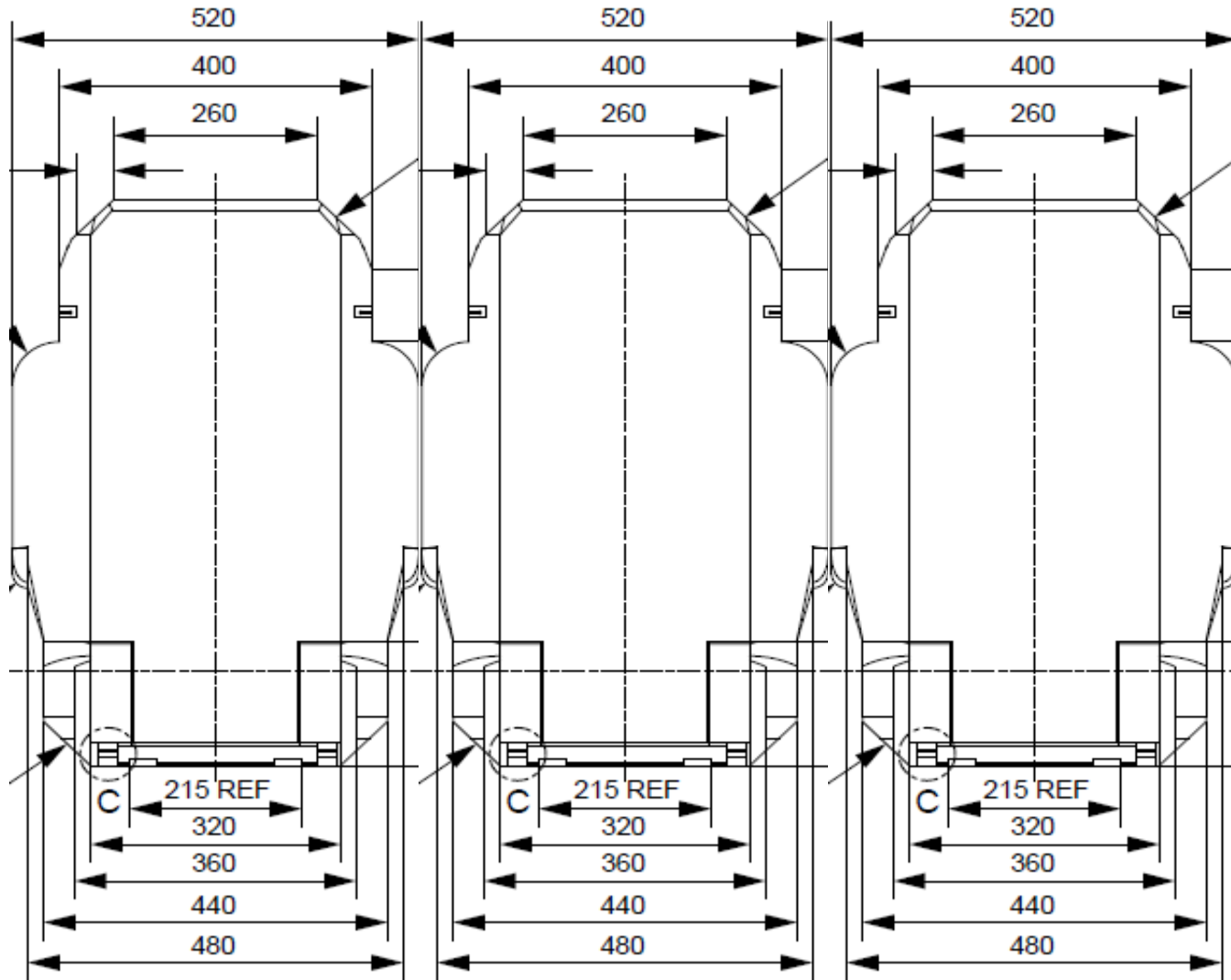
Front view + side view: Galaxy



← These are 440 mm ISO gabarits



Which vehicles have the room for 3 Universal Booster Gabarits in 2nd Row?

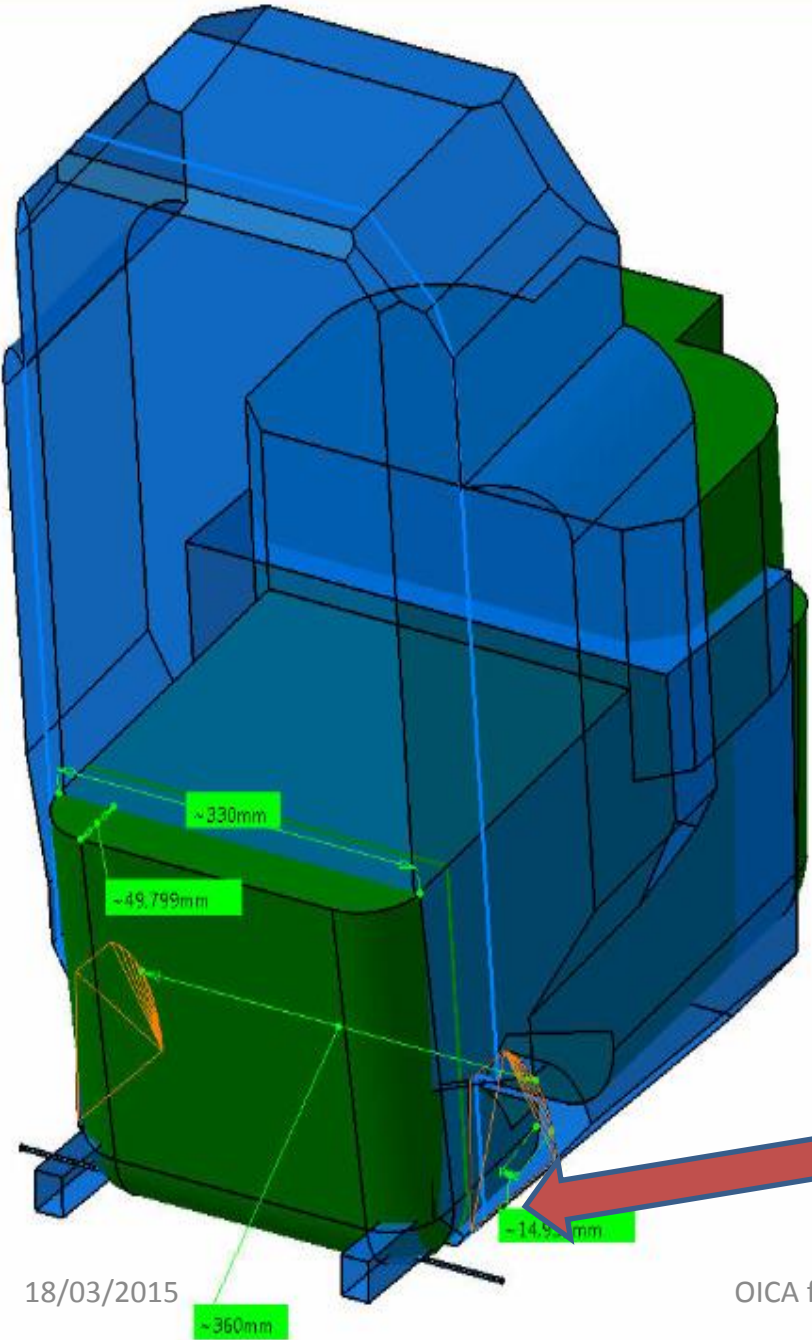


3 Boosters
Total width
3 x 520 mm
= **1560mm**

Examples: Current Vehicles

Car Segment	Shoulder Width	Hip Width	Width between Armrests	3 Universal Gabarit = 1200 mm between armrests	3 ISOFIX (A to E) = 1320 mm between armrest	3 Universal Booster Seat Fixtures = 1560 mm between armrests
Small	1278	1230	1219			
	1332	1247	1259			
Medium	1370	1274	1252			
	1334	1232	1258			
Family + MPV	1512	1514	1465			
	1436	1346	1338			
	1343	1289	1321			
	1382	1343	1326			
Large Vans (9 seats)	1694	1633	1633			
	1765	1790	1765			

Comparison of one of the proposed ISO booster gabarit with R16 universal gabarit

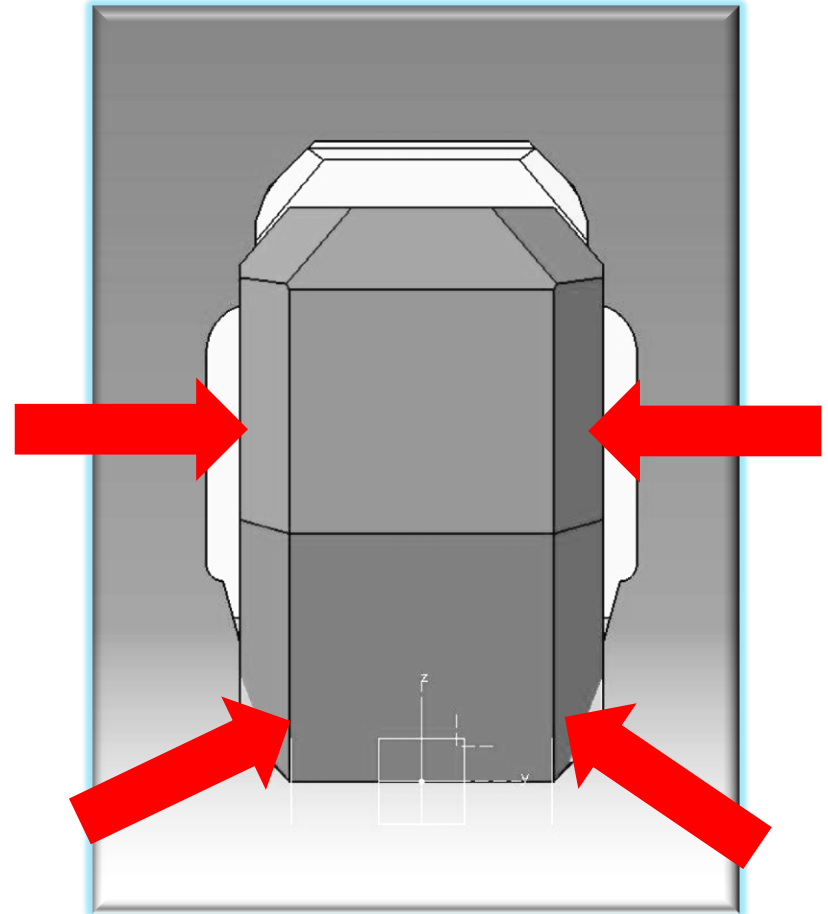


⇒ Too wide
⇒ ISOFIX not needed



Proposal: smaller gabarit

⇒ max width= 440mm
with buckling access





Thank you!