

Baby Car Seat: Group 0+, 1, 2.

We have been assigned an ambitious project: to design a baby car seat (CRS) combining three groups, each one important and different in substance and safety, into one shell: Groups 0+, 1, 2, from 0 to 6 years.

A challenge that ZAAFDesign has taken up, by creating a product that carries the same level of safety and comfort in all the three groups, thanks to a considerable technological content.

ZAAFDesign has developed three special systems, thanks to which it has been possible to conjugate the typical features of Group 0+ (as for safety, comfort, compactness, portability) with the very different needs of Group 1 and Group 2 (as for comfort, easiness, adaptability, reclinability and, last but not least, an excellent response to Side Impact).

DCSP (Dynamic Control System of the Posture) is a system that changes the child's posture during the first 15 months, adapting the space to his needs during the grow-up process.

RHS (Removable Handle System) permits to remove the handle used for transporting the carrier during the Group 0+ stage, in order to use the seat during the next stages (Groups 1 and 2)

RH (Removable Headrest) is added after the period of use of Group 0+, in order to give the right protection to the child's head, from 15 months to 6 years old.

After having developed and tested the right functionality of the three systems, we have worked on the outer look of the product, providing it with a wrapping design with the precise intention of transmitting two features that are essential at the purchase moment: protection and comfort for the baby. An eye has been pointed on the fashion side of the world of engines, and this led us to choose stretched and bold lines, together with a delicate plastics color, that gets combined to the always more sophisticated interiors of city cars too.

A lot of work has been done on the Safety side, developing an Isofix base able to transfer to the baby all the crash absorption capacity of the car.

The second aspect that makes us confident in the Isofix use is the low percentage of error while fixing the seat in the car, if compared to the system with belts.

For this reason, we are waiting with a positive attitude the new regulation for the compulsory use of Isofix to come into operation.

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