

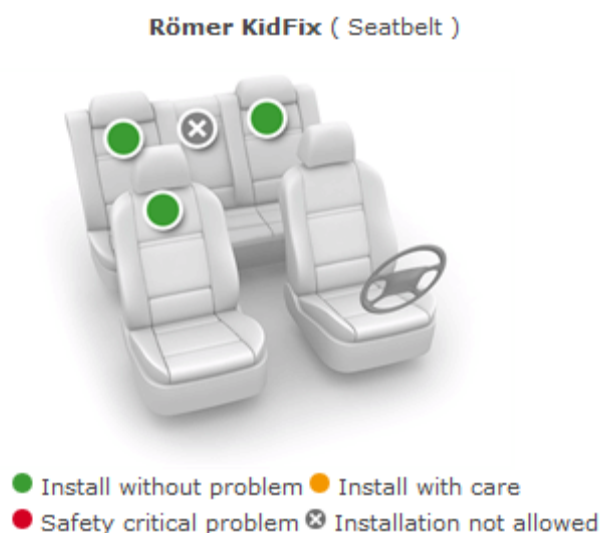
Euro NCAP installation check of Römer Kidfix 2013 /2014.

As of January 2013 Euro NCAP checks if popular CRS can be installed in the cars on test as part of the Child Occupant Rating.

Child Restraint System (CRS) installation check

As part of the CRS installation check, [a selection of popular child restraints](#) is installed to assess the vehicle's ability to safely and correctly accommodate child seats. The selected seats have been demonstrated to provide good protection in independent tests. Seat belt length, belt buckle location, ISOFIX anchorage accessibility and CRS stability are typical vehicle characteristics verified. Euro NCAP also encourage rearward facing transport of toddlers and checks if vehicles are able to accommodate such seats. The vehicle will be rewarded if the CRS's on the list can be installed correctly and easily on all suitable seating positions in the vehicle. The Vehicle Handbook should clearly mention the seating positions where a CRS cannot be installed. The CRS installation check replaces the CRS instructions evaluation that was part of the scoring between 2003 and 2012.

Results are presented per CRS per car on the Euro NCAP website as illustrated:



To facilitate discussion on the dimensions of the fixture for non-integral CRS in Phase 2 of Reg 129 and to put things in perspective (there are concerns that a too big fixture may not fit in too many cars) an inventory was made of the installation check of the Britax-Römer Kidfix in all cars that were rated by Euro NCAP since January 2013. This R44 approved product (Group 2/3) can be installed with the adult belt or with ISOFIX connectors. Its dimensions are close to those proposed by ISO for the fixture in R129.

Results are listed in table 1 and allow the following observations:

- The Kidfix could be installed (in belted mode) on the rear outboard seats of the vast majority of cars. The only cars (out of 32) where they could not be properly installed were the Mitsubishi Space Star and the Opel Adam. These cars failed because the CRS head restraint could not be fully raised due to the vehicle roof. This might no longer be a problem when the maximum stature to accommodate is set lower than 150cm.
- Of the 30 cars that could accommodate a Kidfix in belted mode on the outboard rear seats, two had issues when installing the CRS with ISOFIX. That suggests that in at least 28 cars ISOFIX anchorages and adult belts were well-aligned.
- Five cars (all with a French connection) were equipped with ISOFIX connections on the front passenger seat and able to click in a Kidfix.
- The rear middle seat was in fourteen cases not exempted from installing a Kidfix in either belted or ISOFIX mode (two cars). Four were unable to accommodate in belted mode.
- Two cars were equipped with a 3rd seating row, suitable for installing a Kidfix in belted mode.

Table 1

Cars tested in 2013 / 2014		Front pass seat	Rear seats			3rd row	
			Left outboard	Middle	Right outboard	Left	Right
BMW i3	Römer Kidfix (belt)						
BMW i3	Römer KidFix (ISOfix)						
Chevrolet Trax	Römer Kidfix (belt)						
Chevrolet Trax	Römer KidFix (ISOfix)						
Citroën C4 Picasso	Römer Kidfix (belt)						
Citroën C4 Picasso	Römer KidFix (ISOfix)						
Dacia Sandero	Römer Kidfix (belt)						
Dacia Sandero	Römer KidFix (ISOfix)						
Ford EcoSport	Römer Kidfix (belt)						
Ford EcoSport	Römer KidFix (ISOfix)						
Ford Tourneo Connect	Römer Kidfix (belt)						
Ford Tourneo Connect	Römer KidFix (ISOfix)						
Honda CR-V	Römer Kidfix (belt)						
Honda CR-V	Römer KidFix (ISOfix)						
Infiniti Q50	Römer Kidfix (belt)						
Infiniti Q50	Römer KidFix (ISOfix)						
Jeep Cherokee	Römer Kidfix (belt)						
Jeep Cherokee	Römer KidFix (ISOfix)						
Kia Carens	Römer Kidfix (belt)						
Kia Carens	Römer KidFix (ISOfix)						
Lexus IS	Römer Kidfix (belt)						

Lexus IS	Römer KidFix (ISOfix)						
Maserati Ghibli	Römer Kidfix (belt)						
Maserati Ghibli	Römer KidFix (ISOfix)						
Mazda 3	Römer Kidfix (belt)						
Mazda 3	Römer KidFix (ISOfix)						
Mazda 6	Römer Kidfix (belt)						
Mazda 6	Römer KidFix (ISOfix)						
Mercedes-Benz Citan Kombi	Römer Kidfix (belt)						
Mercedes-Benz Citan Kombi	Römer KidFix (ISOfix)						
Mercedes-Benz CLA-klasse	Römer Kidfix (belt)						
Mercedes-Benz CLA-klasse	Römer KidFix (ISOfix)						
Mitsubishi Outlander PHEV	Römer Kidfix (belt)						
Mitsubishi Outlander PHEV	Römer KidFix (ISOfix)						
Mitsubishi Space Star	Römer Kidfix (belt)						
Mitsubishi Space Star	Römer KidFix (ISOfix)						
Nissan Evalia	Römer Kidfix (belt)						
Nissan Evalia	Römer KidFix (ISOfix)						
Nissan Note	Römer Kidfix (belt)						
Nissan Note	Römer KidFix (ISOfix)						
Nissan Qashqai	Römer Kidfix (belt)						
Nissan Qashqai	Römer KidFix (ISOfix)						
Opel Adam	Römer Kidfix (belt)						
Opel Adam	Römer KidFix (ISOfix)						
Peugeot 2008	Römer Kidfix (belt)						
Peugeot 2008	Römer KidFix						

	(ISOfix)						
Peugeot 308	Römer Kidfix (belt)						
Peugeot 308	Römer KidFix (ISOfix)						
Qoros 3 sedan	Römer Kidfix (belt)						
Qoros 3 sedan	Römer KidFix (ISOfix)						
Renault Captur	Römer Kidfix (belt)						
Renault Captur	Römer KidFix (ISOfix)						
Renault Zoe	Römer Kidfix (belt)						
Renault Zoe	Römer KidFix (ISOfix)						
Skoda Octavia	Römer Kidfix (belt)						
Skoda Octavia	Römer KidFix (ISOfix)						
Suzuki SX4 S-Cross	Römer Kidfix (belt)						
Suzuki SX4 S-Cross	Römer KidFix (ISOfix)						
Toyota Auris	Römer Kidfix (belt)						
Toyota Auris	Römer KidFix (ISOfix)						
Toyota Corolla Sedan	Römer Kidfix (belt)						
Toyota Corolla Sedan	Römer KidFix (ISOfix)						
Toyota RAV4	Römer Kidfix (belt)						
Toyota RAV4	Römer KidFix (ISOfix)						

Number of cars tested:	32		Installation not allowed
			Install without problem
			Install with care
			Safety critical problem