



The European consumer voice in standardisation

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ANEC / Consumers International

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Raising Standards for Consumers



Some findings in recent testing of R44 approved CRS.

Do we want to encourage such solutions in R129 approved ECRS?

Combined Isofix- and belt installation



Group 0+ / 1, semi-universal FWF and RWF

- 2x2 Isofix connectors
- Manufacturer's instruction:
Isofix **always** together with car seat belt
(= confusing for consumers)

Combined Isofix- and belt installation



Suggest for R129:
Prohibit mandatory supplementary belt installation to integral harness ECRS that are Isofix installed

Poor patch

Seat broke from base in belted mode (frontal impact)



Manufacturer's solution:
Seat and base connected by tether (loose accessory)



Poor patch

Suggest for R129:
Don't allow loose parts that influence crash-test performances positively but are likely not to be (correctly) used by consumers in practise.



Multigroup CRS group (0+/1/2):



Complicated:
misuse risk

Seat can be used in 5 (!)
different ways:

- Integral:
 - RWF, installed with car belt.
 - FWF (9–18kg) Isofix & Top Tether
 - FWF (9–18kg) installed with car belt
 - FWF (15–25kg) car belt installation + top tether, child in integral harness
- Non integral:
 - FWF (15–25kg) non-integral (no harness, child + seat secured with car belt).



One size fits all: Group 0/1/2/3 CRS



GROUP: 0+ Less than 13KG
 I 9-18KG
 II 15-25KG
 III 22-36KG

Route vehicle belt through belt path and behind car seat cover and buckle it. Confirm the belt lays flat and is not twisted.
important: Do not use forward facing before the child's weight exceeds 9kg (Refer to instructions)

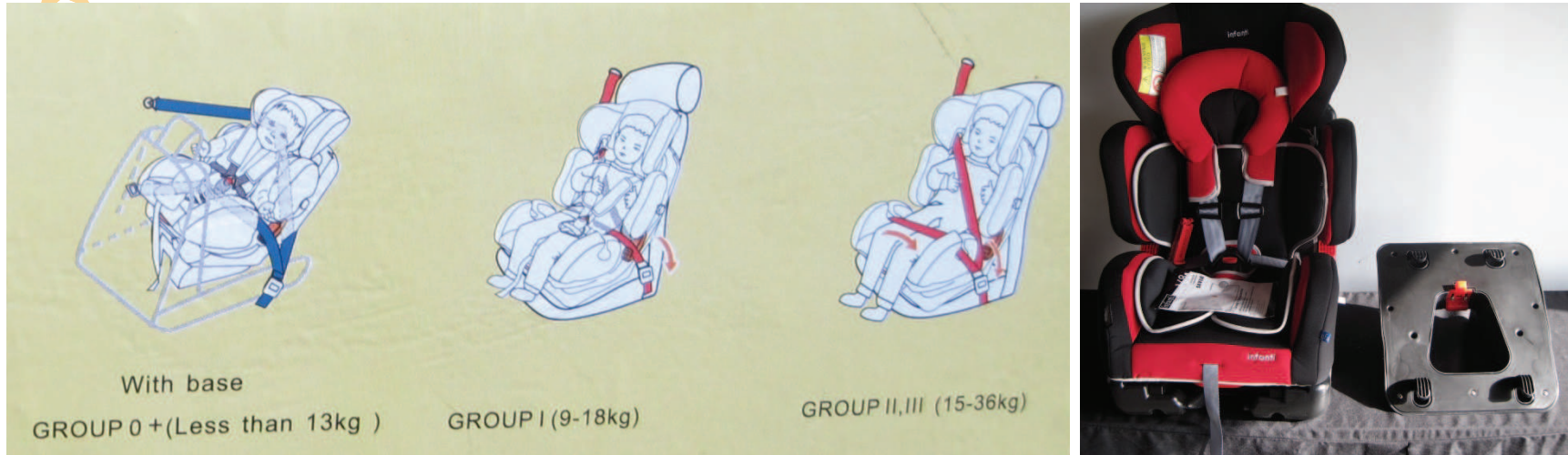
ECE R44/04
 Universal
 0-18kg Y
 15-36kg
E13
 045039

With base
 GROUP 0+(Less than 13kg)

GROUP I (9-18kg)

GROUP II, III (15-36kg)

One size fits all: Group 0/1/2/3 CRS



- Misuse risk:
 - Several installation modes, applying loose part (wedge) and two different red coloured belt routes
 - Not straightforward belt routes
- Bulky

One size fits all: Group 0/1/2/3 CRS



Suggest for R129:

- *Allow only one red and one blue belt route*
- *No 'kits'*

Loose belt clips

Likely to be cut off / not used.

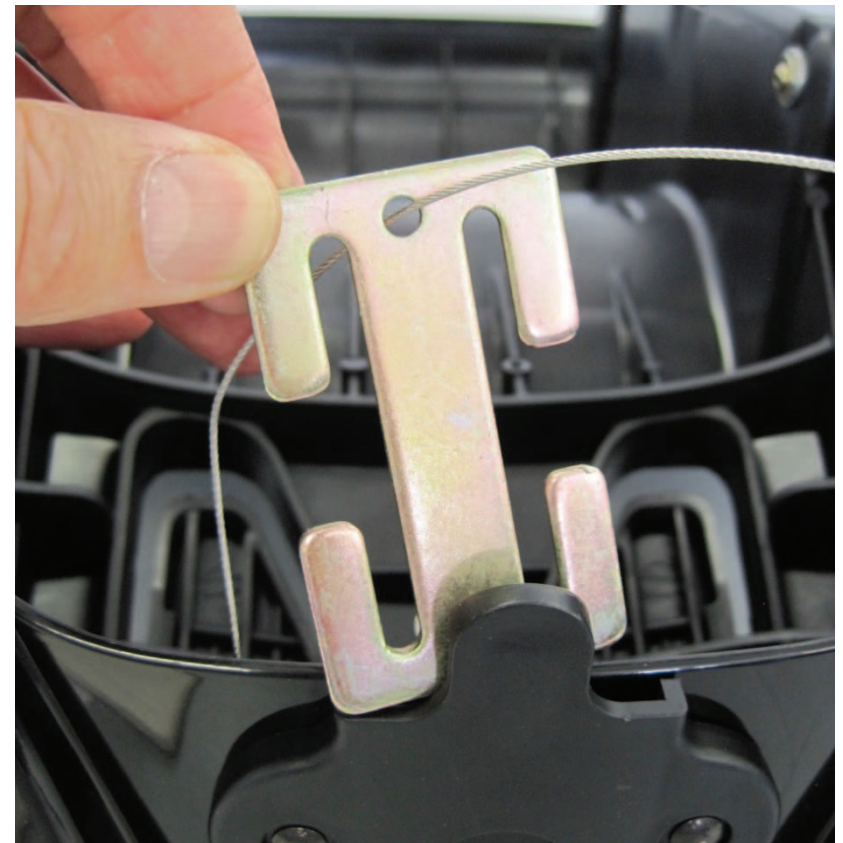
Suggest for R129:

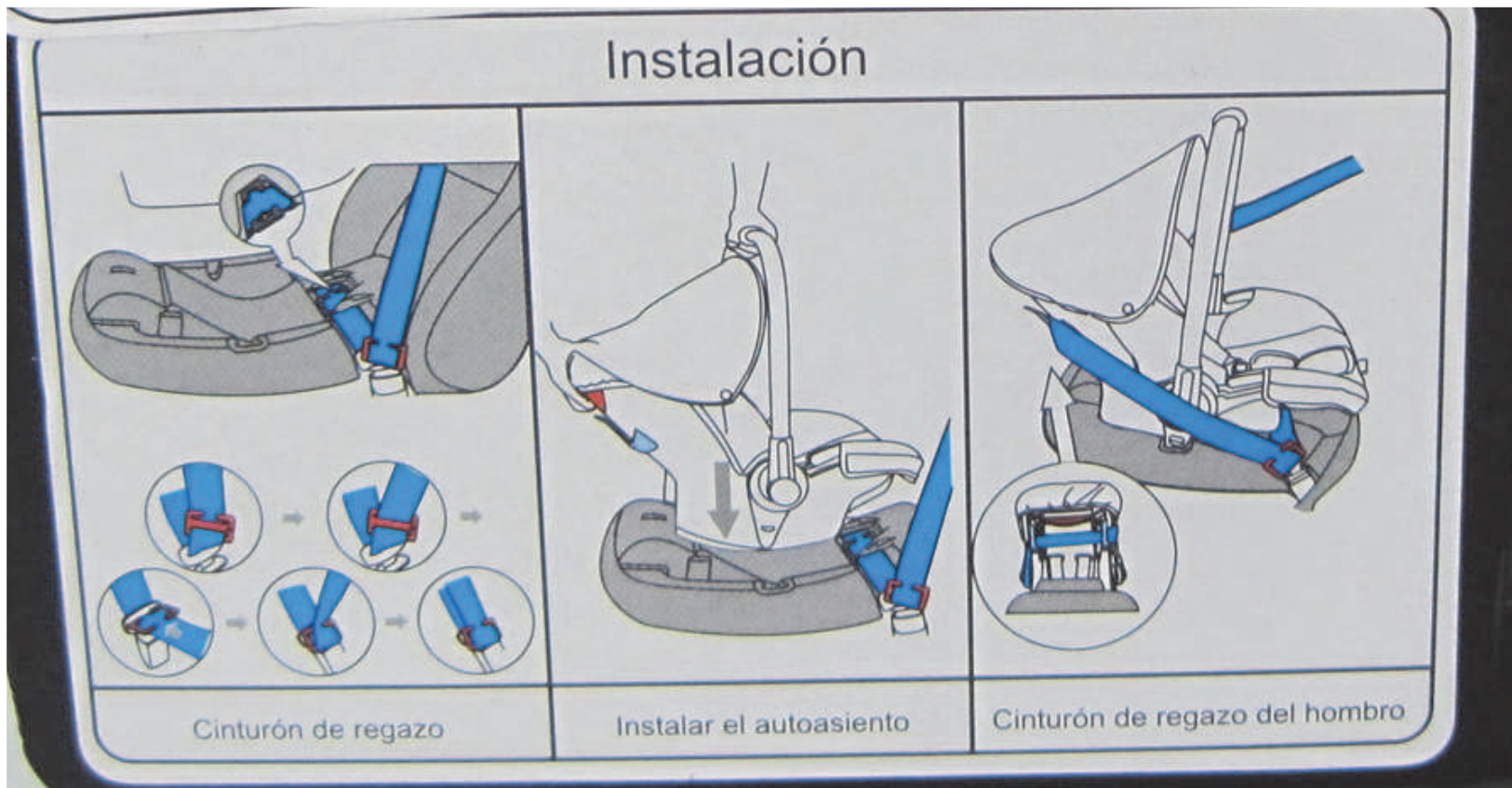
- *not allow non-integrated belt clips.*



Loose belt clips

Group 0+





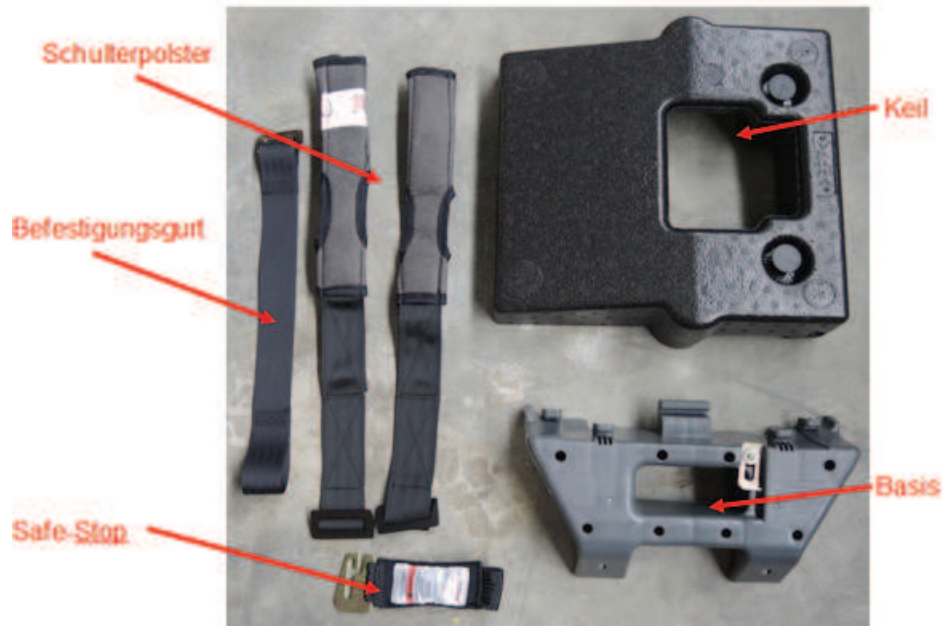
<https://www.youtube.com/watch?v=KP7ZMgK-8z4>

Kit



- RWF:
 - <18kg: car seat belt
 - <25kg: plus extra fixing belt
- FWF: 9-25kg,
 - 9-18kg: car seat belt
 - 9-25kg: plus Top Tether

Kit



- For RWF base ('Basis') and wedge ('Keil') must be attached .
- For kids 15 -25kg shoulder pads must be replaced by longer rubber shoulder pads ('Schulterpolster')
- RWF installation with fixing belt ('Befestigungsgurt') requires car front seat to attach.
- For FWF for kids 15-25 kg a 'Safe Stop' (load limiter) must be installed in the harness.

Summing up: Keep it simple!





- *Prohibit mandatory combined belt + Isofix installation of integral harness ECRS*
- *Don't allow*
 - *Loose parts that optimise tests performances positively but are unlikely to be (correctly) used by consumers in practise.*
 - *Non integrated belt clips*
- *Limit number of:*
 - *installation modes*
 - *belt routes*



Thank you

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