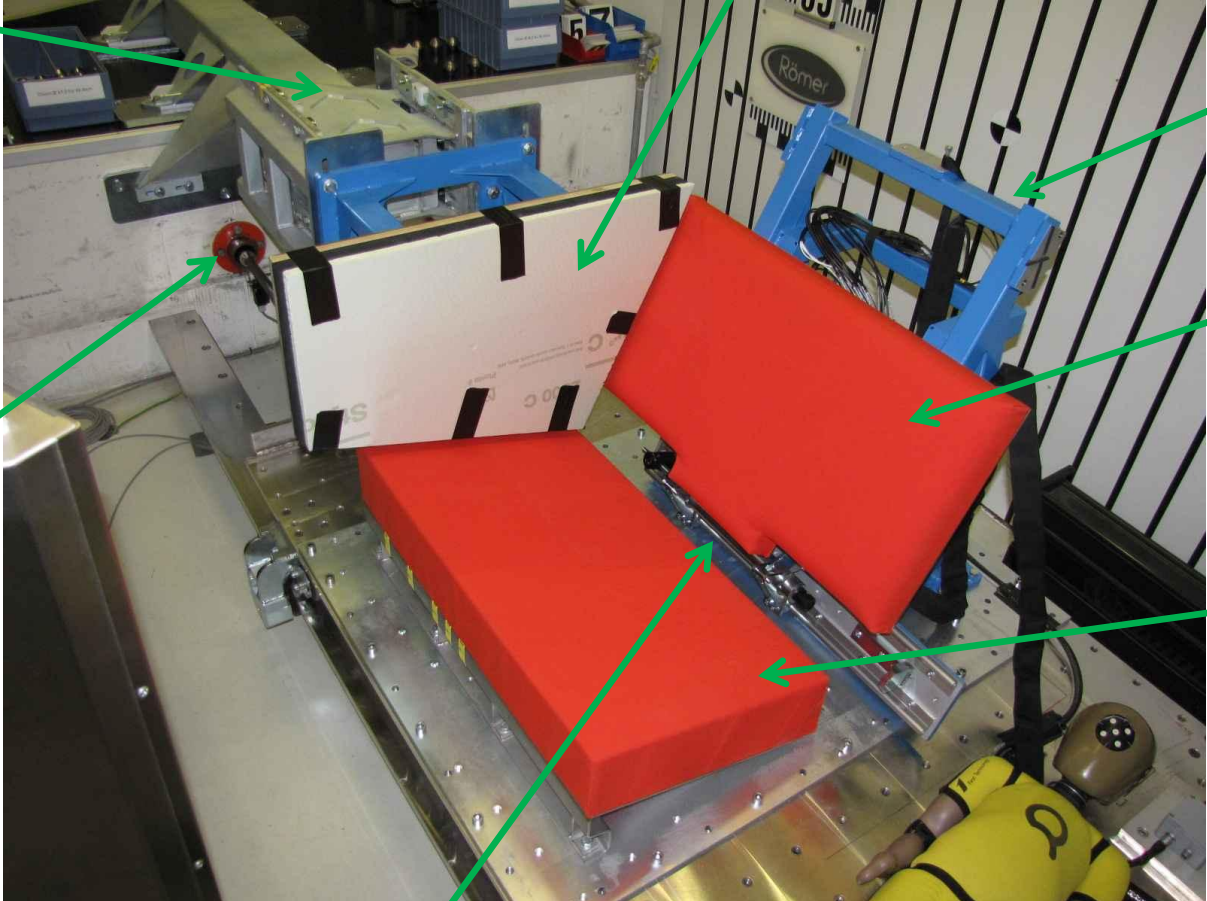


Side Impact Activity Britax Römer

Ulm, 16.11.2009



Support device for the door

Door

Bench

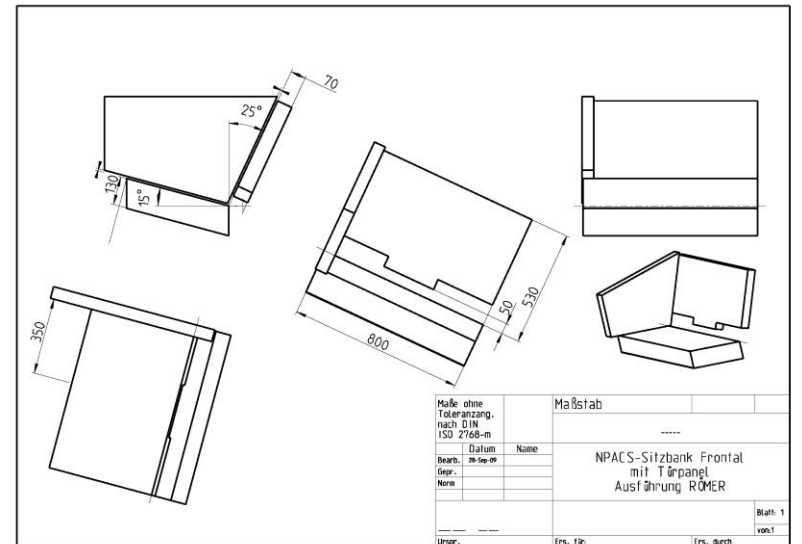
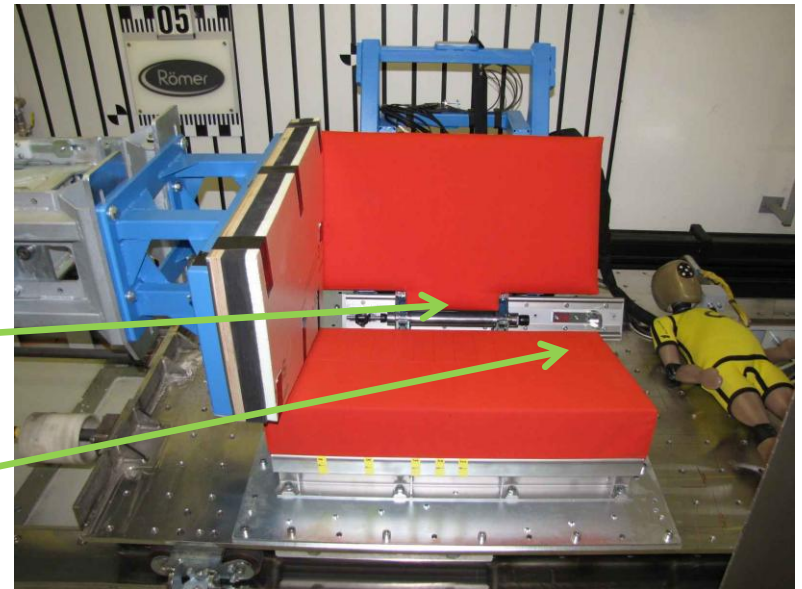
Backrest Cushion

PU Tubes

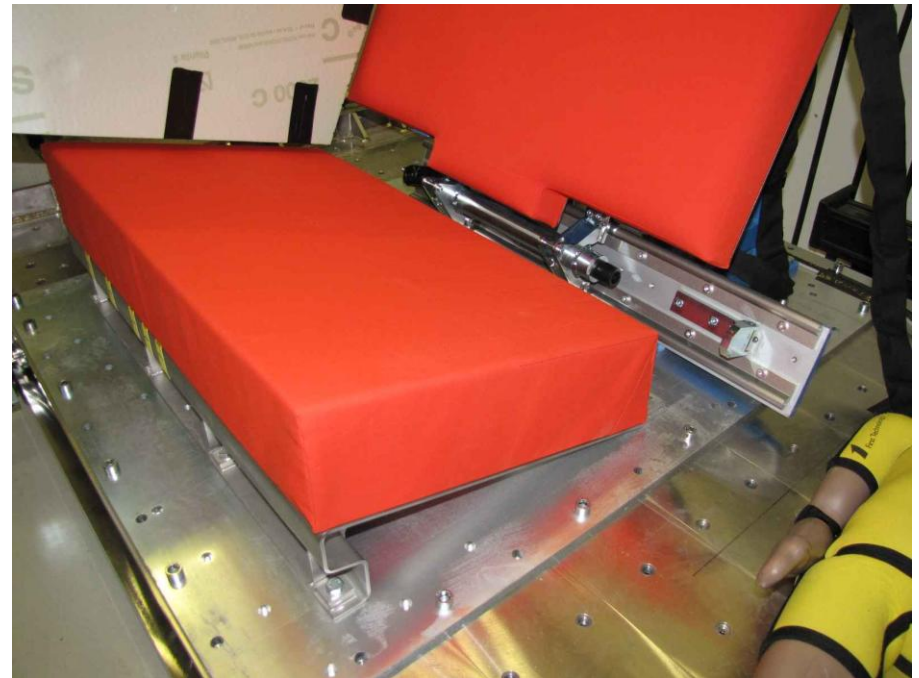
Seat Cushion

Sliding Isofix Anchorage Points

- 90° rotation of the test bench
- Test bench according NPACS proposal
- Backrest cushion NPACS proposal with a 50 mm cut
- Seat cushion NPACS proposal but without gaps



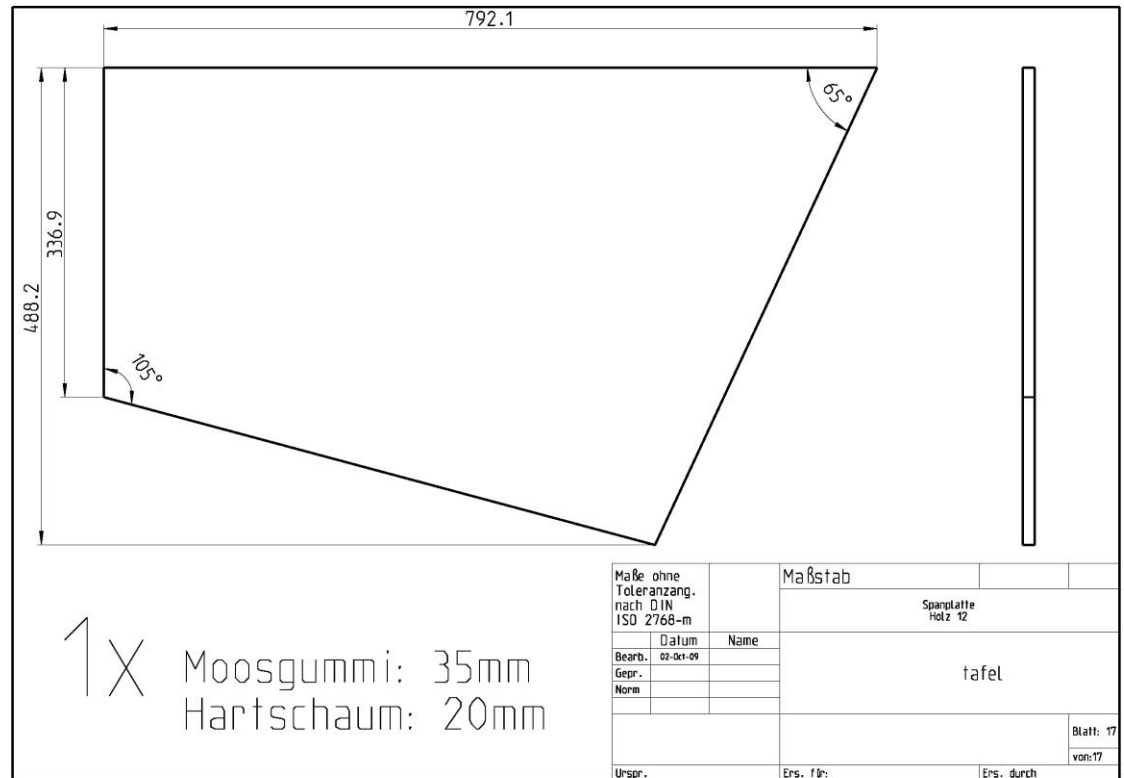
- Sliding anchorage points
- Isofix points according ECE 44 rear most position
- Sliding force displacement function TBD



Door Size



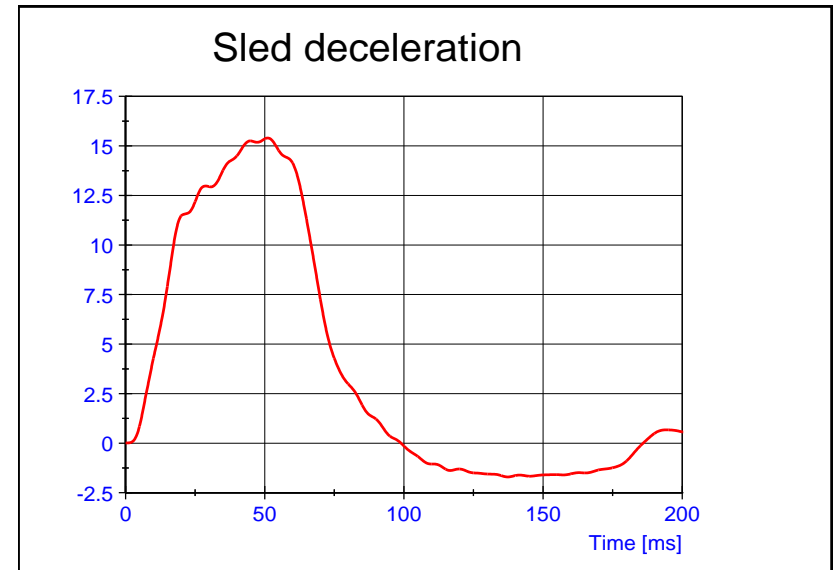
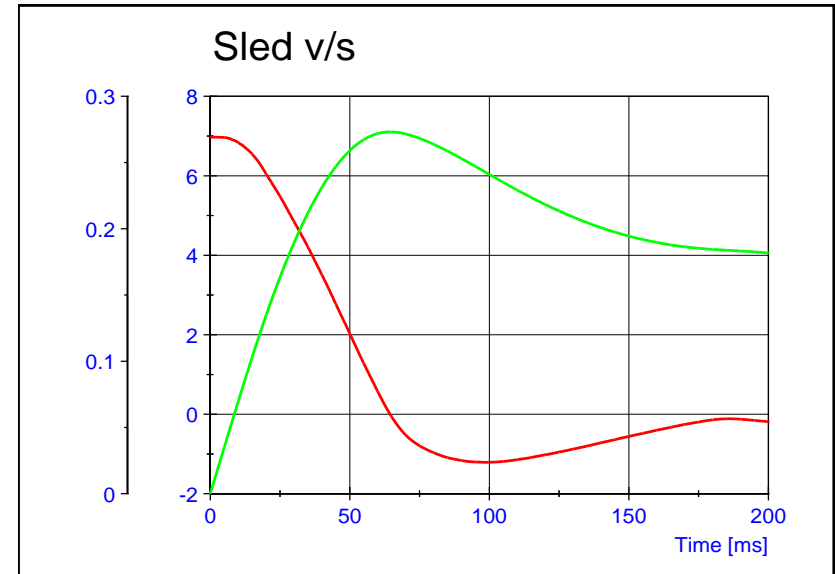
- NPACS Door dimension
- 35 mm rubber foam
Polychloropren CR4271
- 20 mm Styrodur C2500



Test Parameters

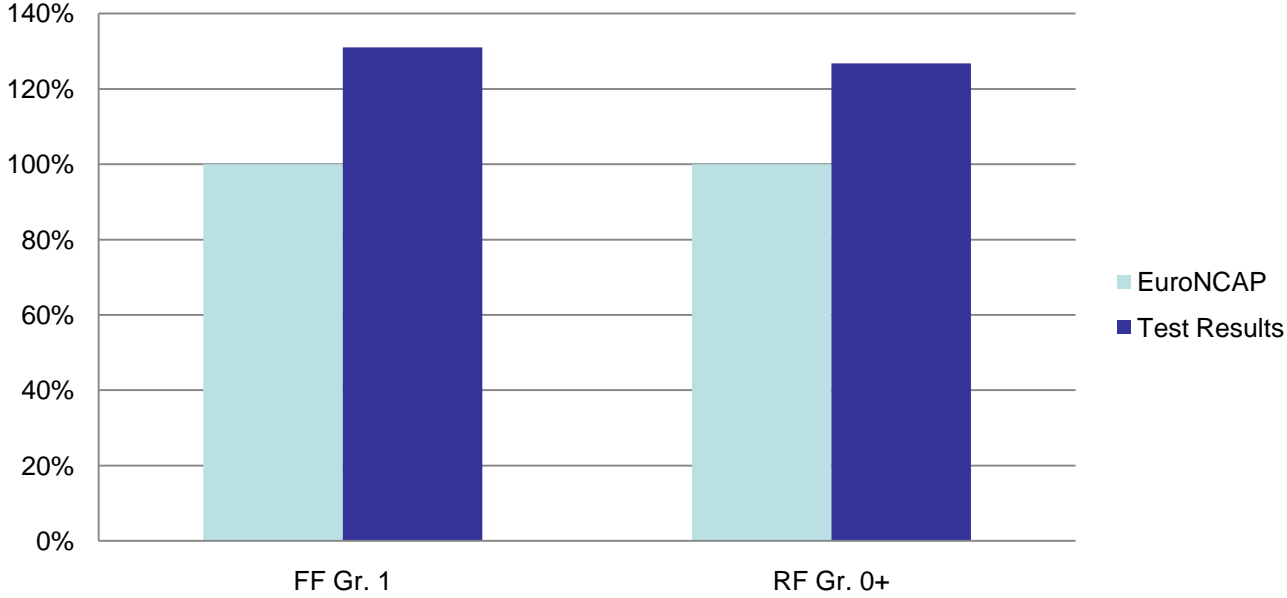


	ISO/PDPAS N623E	Britax Römer
Intrusion velocity	7-10 m/s	7 m/s
Intrusion depth	200-300 mm	250 mm
Sled deceleration	10-14 g	15 g
Intrusion surface height	500 mm	500 mm



Comparison between EuroNCAP and Sled tests

Head Resultant 3 ms



RF Group 0+ Dummy Q1,5



FF Group 1 with TT Dummy Q3



FF Group 1 with SL Dummy Q3



Importance of Set Up



Tape used to keep the head and CRS during acceleration phase

- Continue testing to gain experience
- Exchange with Dorel to define key parameters
 - » Velocity corridor
 - » Isofix sliding function
 - » Repeatability of the procedure
 - » Setup i.e. keep head position during sled acceleration