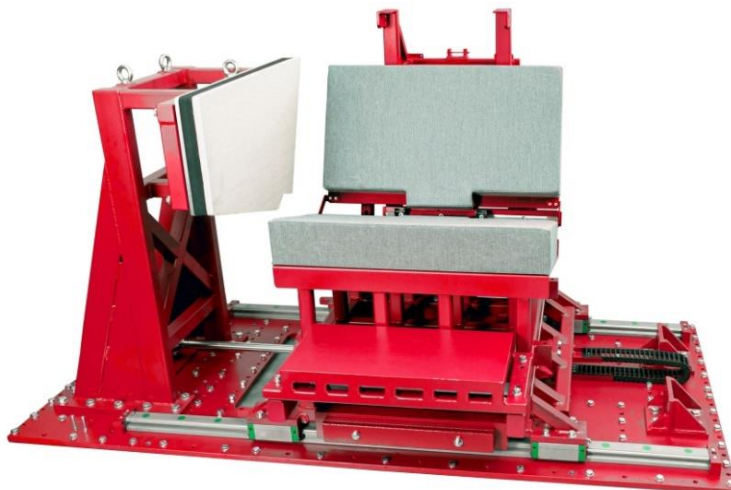


First sled on sled system to perform child seat sled tests according to the ECE R129 test protocol from 2018 with an accelerator sled system.

- Designed for accelerator sled systems
- Integrated hydraulic damper simulates the required relative speed between door panel and seat itself
- Short changeover times between side, front and rear test
- Height of footrest adjustable in 3 steps



TECHNICAL SPECIFICATIONS

Weight	986 kg – 1,008 kg*
Fixation points for child seat	ISOFIX, top-tether, safety belt
Mounting grid	50 mm x 100 mm (M12)
Dimensions (L x W x H)	2,230 mm x 1,350 mm x 1,239 mm

* Dimensions and weight deviate slightly according to side-, front- and rear-test

Facility Requirements

Sled system	Accelerator sled system (for compatibility with decelerator sled systems please contact our sales department)
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Sled test fixture for testing ISOFIX child restraint systems according to the ECE R44 test protocol.

- Comfortable attachment of seat belt
- Compatible with all MESSRING sled platforms
- Usable on accelerator or decelerator sled systems

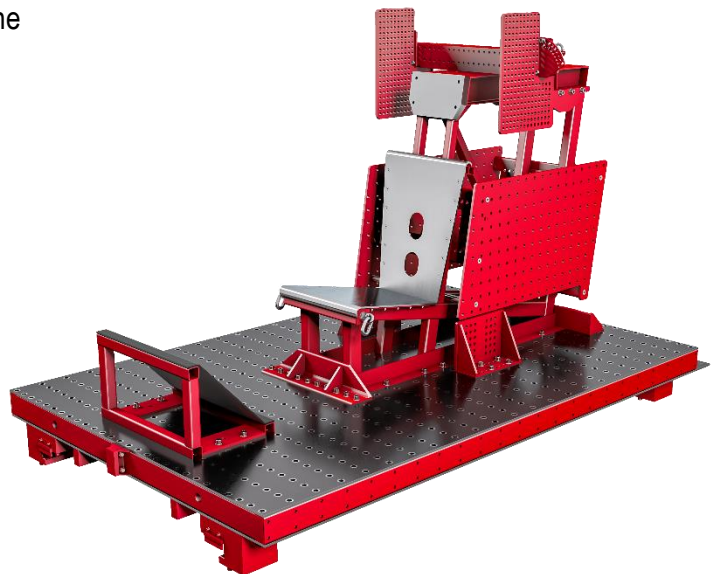


TECHNICAL SPECIFICATIONS

Weight	331 kg
Dimensions (L x W x H)	2,302 mm x 850 mm x 1,071 mm
Mounting grid	50 mm x 100 mm (M12)

Sled test fixture for testing seat belts according to the ECE R16 test protocol.

- Comfortable attachment of seat belt
- Compatible with all MESSRING sled platforms
- Usable on accelerator or decelerator sled systems



TECHNICAL SPECIFICATIONS

Weight	232 kg
Dimensions with mounted foot rest (L x W x H)	2,143 mm x 855 mm x 1,268 mm
Mounting grid seat belt buckle	50 mm x 100 mm (M12)
Mounting grid redirection point	50 mm x 100 mm (M12)

ADAC sled test fixture for frontal impact testing

Sled fixture for testing frontal impacts on child seats according to the ADAC test protocol.

- Comfortable attachment of child seats
- Compatible with all MESSRING sled platforms
- Usable on accelerator or decelerator sled systems



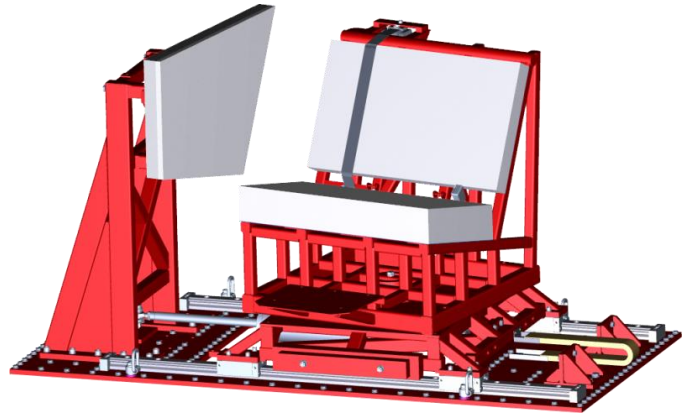
TECHNICAL SPECIFICATIONS

Weight	411 kg
Dimensions of car body (L x W x H)	2,280 mm x 1,700 mm x 1,130 mm
Dimensions of mounting platform (L x W)	2,236 mm x 1,395 mm
Mounting grid	50 mm x 100 mm (M12)
Car body type	According to the current specifications from ADAC

ADAC sled test fixture for side impact testing

Sled fixture for testing lateral impacts on child seats. According to the ADAC 10° side impact test protocol.

- Comfortable attachment of child seats
- Test of ISOFIX child-restraint systems
- Compatible with all MESSRING sled platforms
- Usable on accelerator systems
- Integrated hydraulic damper simulates the required relative speed between door panel and seat itself



TECHNICAL SPECIFICATIONS

Weight	833 kg
Dimensions with mounted foot rest (L x W x H)	2,230 mm x 1,323 mm x 1,212 mm
Mounting grid	50 mm x 100 mm (M12)

Sled test fixture for testing frontal impacts on child seats according to the FMVSS 213 test protocol.

- Comfortable attachment of child seat
- Compatible with all MESSRING sled platforms
- Usable on accelerator or decelerator sled systems



TECHNICAL SPECIFICATIONS

Weight	207 kg
Mounting grid	50 mm x 100 mm (M12)
Dimensions (L x W x H)	1,540 mm x 1,500 mm x 1,045 mm