

Intyg för godkänd transport i färdtjänst/kollektivtrafik

Modeller som är krocktestade och godkända enligt ISO 7176–19:

- Mini Crosser M 3W/4W
- Mini Crosser X 3W/4W
- Mini Crosser X-Joy

Mini Crossern kan användas som säte under transport i bil eller buss.

Förutsättningar som skall vara uppfyllda för att få sitta kvar under transport:

- Mini Crossern skall vara korrekt fastspänd i bilen/bussen, se bilder nedan.
- Godkända fyrpunktsremmar skall användas vid förankring.
- Avsedda fästpunkter på Mini Crossern skall användas vid förankring.
- Användaren skall alltid vara fastspänd i själva bilen/bussen i enlighet med trafikbestämmelserna, se exempel nedan.

Kom ihåg att alltid stänga av Mini Crossern under transport, vrid nyckeln till 0!

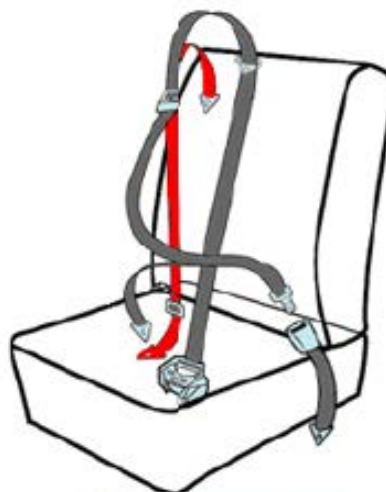
Om möjligt så rekommenderar vi att användaren sitter i ett av bilens/bussens säten, eftersom det är det säkraste alternativet.

Exempel, fastspänning av passagerare med 3-punkts säkerhetsbälte

Görs fast i bakre fästena.

Axelremmen ska vila mot nyckelbenet och gå diagonalt ner till höften där remmen spänns fast.

Remmarna spänns genom att man drar i den fria remmen. Frigör spännet genom att lyfta det uppåt. På samma sätt som ett flygplansbälte.



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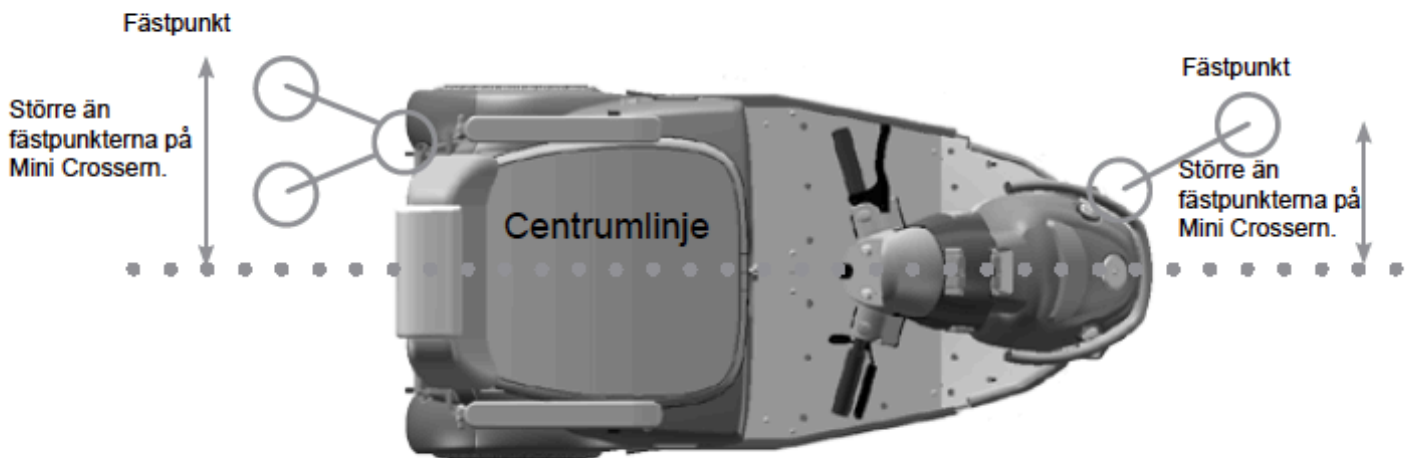
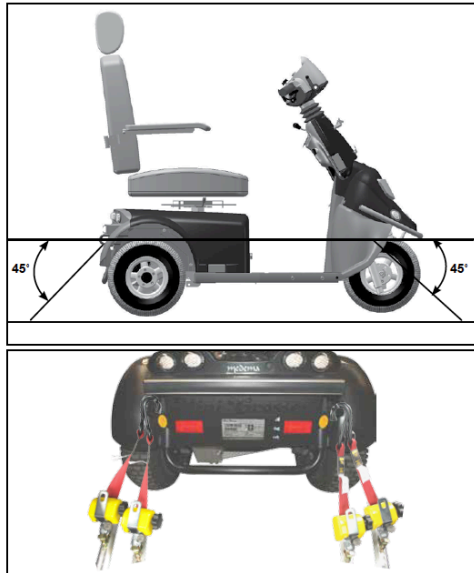


medemagruppen

Förankring i bil

Man ska ALLTID använda fyra remmar bak och två remmar fram. Remmarna ska fästas i godkända beslag monterade i bilen och de fyra fastsvetsade öglorna på Mini Crossern.

Remmarna SKA monteras inom de vinklar som visas på bilden, för att uppnå optimal styrka.



Test Report for
Crash Test according to ISO 7176-19
Wheeled mobility devices for use in motor vehicles

This report serves solely as documentation for the test results. The tested objects have been selected by the client with out the assistance of Dahl Engineering.

Assignment:	Sled testing of wheel chair according to ISO 7176-19
Date of testing:	21 August 2008
Test object:	Minicrosser - Model M
Serial no:	not informed – (proto type)
WTORS:	Surrogate wheel chair tie down straps with Dahl 3 point occupant restraint - static shoulder and lap belts
Test dummy:	The test was carried out using a Hybrid II 50% dummy with mass of 75 Kg.
Measuring:	The deceleration was measured by accelerometers mounted on the crash test sled.
Photografi:	The test was filmed with a high speed camera at 500 fps. Still pictures, pre and post test, was also taken.

Test results

Sled deceleration and speed:	See page with plotted graph and speed
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Test object: Minicrosser Model
 Manufacturer: Minicrosser A/S, Enggårdsvej 7, DK-7400 Herning

Section	Details	X if correct
5.21	During the test	
(a)	Horizontal excursion limits	
	Wheelchair point P \leq 200 mm [Xwc]	35
	ADT knee \leq 375 mm [Xknee]	228
	ADT front of head \leq 650 mm [XheadF]	309
	ADT rear of head \leq 400 [XheadR]	240
(b)	The knee excursion exceeded the wheelchair P point excursion	X
(c)	(Batteries on powered wheelchairs) did not move completely outside the wheelchair footprint or move into the wheelchair user's space or contact with ADT legs	X
5.2.2	After the test	
(a)	The wheelchair remained in an upright position on the platform	X
	The ADT remained in the wheelchair with its torso at an angle of not more than 45° to the vertical, when viewed from any direction	X
(b)	There were no visible signs of material failure on the wheelchair securing points	X
(c)	There were no components, fragments or accessories of the wheelchair with a mass of more than 100g that completely separated from the wheelchair	X
(d)	There were no fragmented or separated component, that may contact the occupant, produced with sharp edges less than radius 2 mm	X
(e)	There were no visible signs of failure on the wheelchairs primary load carrying components	X
(f)	There were no visible signs of failure on the wheelchairs seat adjusters	X
(g)	The ADT was removed from the wheelchair without the use of tools	X
(h)	The wheelchair was released from the tie-down system without the use of tools	X
(i)	The post test decrease of the mean H-point height is not more than 20%	X

The presented samples meet the requirements set out in the above mentioned standards

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Thisted the: 21 August 2008

Claus Dahl Pedersen
 Head of test laboratory

