

TA Service A/S
 Orupgade 32B
 DK-4640 Faxe
 Danmark

Crash testing of the TA iQ MWD 97050, mid wheel drive wheelchair according to ISO 7176-19:2008 (2 appendices)

Summary

A crash test of the TA iQ MWD 97050, mid wheel drive wheelchair has been performed according to ISO 7176-19:2008, chapter 5.2. The wheelchair was crash tested loaded with a Hybrid III-dummy, 102 kg, in 49.4 km/h.

Standard chapter		Comment	Fulfilment of requirement
5.2.1a	Horizontal excursion		Yes
5.2.1b	Knee vs. WC excursion		Yes
5.2.1c	Battery movement		Yes
5.2.2a	ATD torso angle <45°		Yes
5.2.2b	Securement points		Yes
5.2.2c	Separation of <100 grams		Yes
5.2.2d	Sharp edges radius > 2 mm		Yes
5.2.2e	Load carrying components		Yes
5.2.2f	Tilt-in space locking		Yes
5.2.2g	Removal of ATD, no tools		Yes
5.2.2h	WC removal, no tools		Yes
5.2.2i	Post height diff < 20%	< 9 %	Yes
5.2.2j	No webbing failure		Yes

The test object fulfilled the requirements according to ISO 7176-19:2008, chapter 5.2.

SP Technical Research Institute of Sweden

Postal address
 SP
 Box 857
 SE-501 15 BORÅS
 Sweden

Office location
 Västeråsen
 Brinellgatan 4
 SE-504 62 BORÅS

Phone / Fax / E-mail
 +46 10 516 50 00
 +46 33 13 55 02
 info@sp.se

Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.