

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-18446-01-01 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 30.10.2025

**Date of issue:** 30.10.2025

**This annex is part of the Accreditation Certificate D-PL-18446-01-00.**

Holder of the Accreditation Certificate:

**Humanetics Europe GmbH**  
**Im Breitspiel 6a, 69126 Heidelberg**

with the location

**Humanetics Europe GmbH**  
**Knorrstraße 147, EG-351 Messtechnik, 80788 München**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

**Testing of Crash Test Dummies (ATD), used for passive vehicle safety dynamic testing**

*This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.  
This annex to the certificate is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH ([www.dakks.de](http://www.dakks.de)).*

Abbreviations used: see last page

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The testing laboratory is permitted to use standardised or equivalent test methods listed here with different issue dates without being required to prior inform and obtain approval from DAKkS (flexibilization according to category A).

The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

**Hybrid III Family**

**Hybrid III Children**

49 CFR Part 572 Subpart R 2001-10	CRABI 12 Month (CRABI 12-Month-Old Infant, Alpha Version) 572.152 - Head drop front 572.152 - Head drop rear 572.153 - Neck pendulum flexion and extension 572.154 - Thorax impact
49 CFR Part 572 Subpart P 2002-01	Hybrid III 3 Year Dummy (3-Year-old Child Crash Test Dummy, Alpha Version) 572.142 - Head drop 572.143 - Neck pendulum flexion and extension 572.144 - Thorax impact 572.145 - Torso flexion
49 CFR Part 572 Subpart N 2011-06	Hybrid III 6 Year Dummy (Six-Year-old Child Test Dummy, Beta Version) 572.122 - Head drop 572.123 - Neck pendulum flexion and extension 572.124 - Thorax impact 572.125 - Torso flexion 572.126 - Knee impact (left and right)

**Hybrid III 5<sup>th</sup> Percentile Female**

49 CFR Part 572 Subpart O 2002-09	Hybrid III 5th (Hybrid III 5th Percentile Female Test Dummy, Alpha Version) 572.132 - Head drop 572.133 - Neck pendulum flexion and extension 572.134 - Thorax impact 572.135 - Torso flexion 572.136 - Knee impact (left and right)
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SAE Engineering AID 25 1999-07 SAE J2876 2010-01	User's Manual for the Small Adult Female Hybrid III Test Dummy (Knee Slider Test)
SAE J2878 2010-01	Low Speed Thorax Impact Test Procedure for the HIII 5F Dummy (3 m/s Thorax Impact)

**Hybrid III 50<sup>th</sup> Percentile Male**

49 CFR Part 572 Subpart E 2011-11	HIII 50th Male Dummy 572.32 - Head drop 572.33 - Neck pendulum flexion and extension 572.34 - Thorax impact 572.35 - Knee impact (left and right) 572.35 - Hip range of motion
SAE J2779 2015-07	Low Speed Thorax Impact Test Procedure for the HIII 50th Male Dummy (3 m/s Thorax Impact)
SAE Engineering AID 23 1998-06; SAE J2856 2009-09	User's Manual for the 50th percentile male hybrid III test dummy Section II - Knee Slider Test
ECE-R 94 Anhang 10 ÄS 02 2013-07	Certification procedure for the dummy lower leg and foot (Foot Impact)

**Hybrid III 95<sup>th</sup> Percentile Male**

SAE J2860 2012-09	User's Manual for the Hybrid III Large Male Test Dummy
SAE Engineering AID 26 2012-09	HIII 95th 4.1 - Head drop 4.2 - Neck pendulum flexion and extension 4.3 - Thorax impact 4.4 - Knee impact left and right 4.5 - Knee impact left and right

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**THOR Family**

THOR Qualification  
Procedures  
2016-08

THOR-M-50th (THOR 50th Percentile Male Qualification  
Procedures Manual)  
4 - Head impact  
5 - Face impact  
6.6 - Neck pendulum (torsion)  
6.7 - Neck pendulum flexion  
6.8 - Neck pendulum extension  
6.9 - Neck pendulum (torsion left + right)  
7 - Upper thorax impact  
8 - Lower thorax impact  
9 - Abdomen impact  
10 - Knee impact (left + right)  
11 - Knee slider impact (left+ right)  
12 - Ankle eversion  
13 - Ball of foot impact  
14 - Heel impact

**Side Impact Dummies**

**EuroSID 2**

ECE-R 95 Anhang 6 ÄS 03  
2014-02

ES-2 50th Male Side Impact  
5.5 - Face impact  
5.6 - Neck pendulum  
5.7 - Shoulder impact  
5.9 - Rip drop (3 tests)  
5.10 - Lumbar flexion  
5.11 - Abdomen impact  
5.12 - Pelvis impact

49 CFR Part 572 Subpart U  
2011-11

ES-2re Side Impact Crash Test Dummy, 50th Percentile Adult Male  
572.182 - Head drop  
572.183 - Neck pendulum  
572.184 - Shoulder impact  
572.185 - Rib drop (3 tests)  
572.185 - Thorax without arm impact  
572.186 - Abdomen impact  
572.187 - Lumbar flexion  
572.188 - Pelvis impact

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**WorldSID**

W50-9900 User Manual Rev. H 2016-01	WorldSID 50th (User's Manual for the Worldsid 50th percentile Male Side Impact Dummy) 8.4 - Head drop 8.5 - Neck pendulum 8.7 - Shoulder impact 8.8 - Thorax without arm impact 8.9 - Abdomen impact 8.10 - Pelvis impact
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**SID-IIs**

49 CFR Part 572 Subpart V 2009-08	SID IIs BLD (SID-IIsD Side Impact Crash Test Dummy, Small Adult Female) 572.192 - Head drop 572.193 - Neck pendulum (flexion and extension) 572.194 - Shoulder impact (on certification bench) 572.195 - Thorax impact with arm (on certification bench) 572.196 - Thorax impact without arm (on certification bench) 572.197 - Abdomen impact (on certification bench) 572.198 - Pelvis impact (on certification bench) 572.199 - Iliac impact (without certification bench)
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**Q-Dummies (Children (Q))**

048-9900 User Manual Q1.5 Rev. G 2015-07	Q 1.5 Years (Advanced 1.5 year old child User Manual) 8.1 - Head drop 8.2 - Neck flexion 8.3 - Lumbar flexion 8.4 - Abdomen impact 8.5 - Thorax impact frontal and lateral
020-9905 User Manual Q3 Rev. G 2016-10	Q 3 Years (Advanced 3 year old child User Manual) 8.1 - Head drop 8.2 - Neck flexion 8.3 - Lumbar flexion 8.4 - Abdomen impact 8.5 - Thorax impact

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033-9900 User Manual Q6 Rev. M 2016-11	Q 6 Years (Advanced 6 year old child User Manual) 8.1 - Head drop 8.2 - Neck flexion 8.3 - Lumbar flexion 8.4 - Abdomen impact 8.5 - Thorax impact
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010-9900 User Manual Q 10 Rev. G 2016-02	Q 10 Years (10.5 year old child User Manual) 14.1 - 14.3 - Head drop 14.4 - 14.7 - Neck flexion 14.8 - 14.10 - Lumbar flexion 14.11 - 14.13 - Thorax impact 14.14 - Shoulder impact frontal 14.15 - Pelvis impact 14.16 - Abdomen impact 14.17 - Shoulder impact lateral
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**Pedestrian Safety (FMH)**

49 CFR Part 572 Subpart L 1995-08	FMH (Free Motion Headform) 572.102 - Head drop
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VO (EC) 631/2009	Commission Regulation (EC) No 631/2009 of 22 July 2009 laying down detailed rules for the implementation of Annex I to Regulation (EC) No 78/2009 of the European Parliament and of the Council on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users, amending Directive 2007/46/EC and repealing Directives 2003/102/EC and 2005/66/EC
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PART V: TEST Impactors, Annex I: Certification of test impactors,  
Chapter 4 - Head drop - D.F 4.5kg Headform  
Chapter 4 - Head drop - D.G 3.5kg Headform

GTR9 2011-02	Global Technical Regulation No. 9 "PEDESTRIAN SAFETY" Chapter 4 - Head drop (3x)
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**Abbreviations used:**

ATD	Anthropomorphic Test Devices
CFR	Code of Federal Regulations (Office of the Federal Register, U.S. Government)
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EC	European Commission
EN	Europäische Norm – European Standard
GTR	Global Technical Regulation (Arbeitsgruppe, die ISO zuarbeitet)
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
SAE	Society of Automotive Engineers
UN-R	Regulation of the Economic Commission for Europe
User Manual	Product documentation of ATD manufacturers (manufacturer specifications)

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