

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17359-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 24.04.2023

Date of issue: 24.04.2023

Holder of accreditation certificate:

crashtest-service.com GmbH
Amelunxenstraße 30, 48167 Münster

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 confirm generally with the principles of DIN EN ISO 9001.

**Testing of road restraint systems; Testing of support structures for road equipment;
Testing of vehicle security barrier systems**

Within the given testing field, the laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods. The listed testing methods are exemplary. The laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex 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 given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

Page 1 of 4

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Annex to the Accreditation Certificate D-PL-17359-01-00

1 Testing of road restraint systems – crash tests

DIN EN 1317-1* 2011-01	Road restraint systems - Part 1: Terminology and general criteria for test methods
DIN EN 1317-2* 2011-01	Road restraint systems - Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets
DIN EN 1317-3* 2011-01	Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions
DIN V ENV 1317-4* 2002-04	Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers

** The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation (no application of flexible accreditation)*

DIN CEN/TS 16786 2018-06	Road restraint systems - Truck Mounted Attenuators - Performance classes, impact test acceptance criteria and test performance
NCHRP Report 350 1993	National Cooperative Highway Research Program <i>(here only: restraint systems, transitions, crash cushions, transport vehicle-supported mobile impact retarders (TMA) and trailers for variable message signs and arrow boards)</i>
MASH 2009	Handbuch zur Bewertung von Sicherheitseinrichtungen <i>(here only: restraint systems, transitions, crash cushions, transport vehicle-supported mobile impact retarders (TMA) and trailers for variable message signs and arrow boards)</i>
MASH 2016	Manual for Assessing Safety Hardware Second Edition <i>(here only: restraint systems, transitions, crash cushions, transport vehicle-supported mobile impact retarders (TMA) and trailers for variable message signs and arrow boards)</i>

2 Testing of support structures for road equipment – crash tests

DIN EN 12767 2019-10	Passive safety of support structures for road equipment - Requirements and test methods
-------------------------	-----------------------------------------------------------------------------------------

Valid from: 24.04.2023

Date of issue: 24.04.2023

Page 2 of 4

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Annex to the Accreditation Certificate D-PL-17359-01-00

MASH 2009	Manual for Assessing Safety Hardware <i>(here only: support structures, systems for traffic control in work areas, masts and traffic barriers)</i>
MASH 2016	Manual for Assessing Safety Hardware Second Edition <i>(here only: support structures, systems for traffic control in work areas, masts and traffic barriers)</i>

3 Testing of vehicle security barrier systems – crash tests

ASTM F 2656-07 2007	Standard Test Method for Vehicle Crash Testing of Perimeter Barriers
ASTM F2556/F2656M – 15 2015	Standard Test Method for Crash Testing of Vehicle Security Barriers
ASTM F2656/F2656M – 18 2018	Standard Test Method for Crash Testing of Vehicle Security Barriers
ASTM F2656/F2656M – 18a 2018	Standard Test Method for Crash Testing of Vehicle Security Barriers
ASTM F2656/F2656M – 20 2020	Standard Test Method for Crash Testing of Vehicle Security Barriers
BSI PAS 68 2010-01	Impact test specification for vehicle security barriers
BSI PAS 68 2013-08	Impact test specification for vehicle security barrier systems
BSI PAS 170-1 2017-07	Vehicle security barriers – Low speed impact testing Part 1: Trolley impact test method for bollards
DIN SPEC 91414-1 2021-03	Portable vehicle security barriers - Part 1: Requirements, test methods and performance rating <i>(no application of flexible accreditation)</i>
IWA 14-1 2013-11	Vehicle security barriers - Part 1: Performance requirement, vehicle impact test method and performance rating
Technical Guideline 2019-06 Version 0.8	<i>Technical Guideline – Portable vehicle security barriers (no application of flexible accreditation)</i>

Valid from: 24.04.2023

Date of issue: 24.04.2023

Page 3 of 4

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Abbreviations used:

ASTM	American Society for Testing and Materials
BSI PAS	British Standards Institution Publicly Available Specification
CEN/TS	European Committee for Standardization/Technical Specifications
DIN	German institute for standardization - Deutsches Institut für Normung e.V.
EN	European standard - Europäische Norm
ENV	European pre-standard - Europäische Vornorm
IEC	International Electrotechnical Commission – Internationale Elektrotechnische Kommission
ISO	International Organization for Standardization – Internationale Organisation für Normung
IWA	International Workshop Agreement - Herausgeber: ISO (Internationale Organisation für Normung)
MASH	Manual for Assessing Safety Hardware of the American Association of State Highway and Transportation Officials