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German Accreditation Body

Appendix to the accreditation certificate D-PL-21330-01-01 in accordance with DIN EN ISO/IEC 17025:2018

Valid from: September 5, 2025

Date of issue: 09/05/2025

This appendix is part of the accreditation certificate D-PL-21330-01-00.

Holder of the accreditation certificate:

ID-Lindner GmbH
Im Hüttental 12, 85125 Kinding (Haunstetten)

with the location

ID-Lindner GmbH
Testing Technology
Department
Im Hüttental 12, 85125 Kinding (Haunstetten)

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 for performing the conformity assessment activities listed in this annex. The testing laboratory meets any additional legal and normative requirements, including those in relevant sectoral programs, provided that these are expressly confirmed below.

The requirements for the management system in DIN EN ISO/IEC 17025 are written in a language relevant to testing laboratories and are fully consistent with the principles of DIN EN ISO 9001.

*This certificate was issued by the German Accreditation Body GmbH and is digitally sealed.
It is only valid in conjunction with the written certificate and reflects the status at the time of issue. The current status of valid and monitored accreditation can be found in the database of accredited bodies of the German Accreditation Body (www.dakks.de).*

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Appendix to accreditation certificate D-PL-21330-01-01

Tests in the following areas:

Static and strength tests, hydraulic pressure change tests, dynamic vibration tests, and fatigue strength tests on parts, components, and systems in vehicle construction and parts in general mechanical engineering

Flexible accreditation area:

Within the test areas marked [Flex A], the testing laboratory is permitted to use the standardized test methods listed here or equivalent methods with different versions without the prior notification and approval of DAkkS.

The testing laboratory has a current list of all test methods in the flexible accreditation area. The list is publicly available on the testing laboratory's website.

1 Static strength tests [Flex A]

DIN 73379 Road vehicles – Fuel hoses
July 2014

DIN SPEC 74106 Road vehicles – R744 air conditioning systems – Refrigerant lines and
2015 IWT in coaxial design

The following test methods are outside the flexible accreditation scope:

BMW QV 17006 Cooling water circuit components
2010

BMW QV 17004D Expansion tank Coolant circuit
2010

GMW 14329 Performance testing of heater and coolant hoses
2016

VW TL 82316 Refrigerant lines R134a / R1234yf
2018

VW TL 52435 Fuel lines, multilayer pipe
2016

VW TL 52682 PA66, glass-reinforced, for finished parts carrying coolant
2015

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Appendix to accreditation certificate D-PL-21330-01-01

VW TL 82253 2017	ZSB fuel lines
VW TL 889 2011	Expansion tank for coolant
VW TL 874 2014-08	Water cooler
VW TL 52361 2021	Coolant hoses with aramid reinforcement
VW TL 52361 2016	Coolant hoses with aramid reinforcement
VW TL 82001 2018	Expansion tank for coolant in purely electric vehicles.
VW TL 82002 2018	Water cooler for purely electric vehicles
Renault 32-02-017 2014	Air conditioning pipes for fluids

2 Pressure tests and hydraulic pressure cycle tests [Flex A]

DIN 73411-2 1996 Warning notice 2018-07	Coolant pipes in motor vehicles – Hoses and hose bends – Part 2: Requirements, testing
DIN SPEC 74106 2015-08	Road vehicles – R744 air conditioning systems – Refrigerant lines and IWT in coaxial design
ISO 6803 2017	Rubber or plastic hoses and hose assemblies – Hydraulic pressure impulse test without flexing

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Appendix to accreditation certificate D-PL-21330-01-01

The following test methods are outside the flexible scope of accreditation:

VW TL 52682 2021	PA66, glass fiber reinforced, for finished parts carrying coolant Material requirements
VW TL 52682 2015	PA66, glass fiber reinforced, for finished parts carrying coolant
VW TL 82316 2018	Refrigerant lines R134a / R1234yf
VW LAH.1EA.816.K 2019	Refrigerant lines for R744 air conditioning systems
VW TL 82002 2018	Water coolers for purely electric vehicles
VW TL 52361 2021	Coolant hoses with aramid reinforcement
VW TL 52361 2016-11	Coolant hoses with aramid reinforcement
VW TL 874 2014	Water cooler
VW LAH 1K0 130 2017	Fuel hose line
VW TL 52712 2016	Thermoplastic lines for gasoline, low washout
VW 96283 Porsche PTL 14052 2012	Coolant hoses with reinforcement
BMW QV 17004 2010	Expansion tank Coolant circuit
BMW LH_11229184-000-03 2020-04	Media line Oil cooling eFTC Gen4
GMW 14329 2016	Performance Testing of Heater and Coolant Hoses

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Appendix to accreditation certificate D-PL-21330-01-01

3 Air pressure change tests (with superimposed movement)

VW TL 82253 2017	ZSB fuel lines
VW TL 60562 2020	Charge air system – hoses and connectors for hose clamps and press rings
VW TL 82132 2007-01	Intercooler LLK, functional requirements
GMW 15803 2015	Performance Test for Connections Used in Charge Air Systems
VW TL 870 2011	Intake pipe, strength and tightness

4 Dynamic tests, operational behavior strength tests (including vibration tests) [Flex A]

DIN SPEC 74106 2015	Road vehicles – R744 air conditioning systems – Refrigerant lines and IWT in coaxial design
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The following test methods are outside the flexible accreditation scope:

Renault 31-05-103-A 2011-06	HP and LP pipes of the air conditioning compressor system HP hose of hydraulic power steering Characterization and vibration endurance
Renault 32-02-028 2010	High Pressure and Low Pressure Pipe Equipped with Air Conditioning Circuit Compressor High pressure pipe for hydraulic power assisted steering Endurance on pipes subjected to engine displacements
Renault 32-02-017 2014	Air conditioning pipes for fluids 134A and 1234YF refrigerants
Renault 37-06-097 2007	Measurement of the stiffness matrix of air conditioning pipes on a test bench
VW TL 82316 2018	Refrigerant lines R134a / R1234yf
BMW GS 97073-1 2015	Environmental testing – Vibration testing – Testing of body components

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Appendix to accreditation certificate D-PL-21330-01-01

BMW GS 97073-2 2012	Environmental testing – Vibration testing – Testing of engine components
BMW QV64005 2018-03	Refrigerant lines
Ford ES DG93-8260-AA 2016-11	Engineering Specification – Coolant Hoses and Clamps
MBN 10438 2015	Road vehicles Mechanical vibration requirements (broadband noise) for body components on passenger cars
GMW 15964 2020	Qualifying Transmission and Engine Oil Hose Coupling Assemblies
TL 82048 2018	Hose for oil cooler and oil lubrication

Abbreviations used:

BMW QV	BMW factory standard
DIN	German Institute for Standardization e. V.
EN	European standard
ES XXXX	Ford factory standard
GMW	General Motors factory standard
IEC	International Electrotechnical Commission ISO
	International Organization for Standardization
MBN	Daimler – Mercedes Benz factory standard
Renault	Renault factory standard
SPEC	DIN Technical rule
VW TL	Volkswagen factory standard