

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21867-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 28.02.2024

Date of issue: 27.02.2029

Holder of accreditation certificate:

Los Astilleros y Maestranzas de la Armada (ASMAR)
Avenida Jorge Montt 250, Base Naval, 4260000 Talcahuano,
región del Bío Bío, Chile

with the location

Los Astilleros y Maestranzas de la Armada (ASMAR)
Laboratorio Custodio de los Patrones Nacionales Magnitud Par Torsional
Avenida Jorge Montt 250, Base Naval, 4260000 Talcahuano,
región del Bío Bío, Chile

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The calibration 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 calibration laboratories and they conform to the principles of DIN EN ISO 9001.

Calibrations in the fields:

Mechanical quantities

- Torque

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>.

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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Torque Torsional torque transducers with indicating device	3 N·m to 3000 N·m	Ca/044-67 (Version 03/2023)	$7 \cdot 10^{-4}$	Transducers without transverse force

Abbreviations used:

Ca	In house method of the CAB
CMC	Calibration and measurement capabilities
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation