

MANUFACTURING SURVEY ARRANGEMENT

MSA No:
MSA0000AZR

Between "Manufacturer"

**Märkische Schraubenfabrik Alfred Brückmann GmbH & Co.
KG**
Berlin, Germany

and

"DNV GL"
DNV GL SE
Magdeburg

Ref. Recognition Certificate: MSARC0000AZR

This Manufacturing Survey Arrangement (MSA) is applicable to
Steel material - Transfer of stamping during production
subject to testing and inspection for conformance with the requirements of DNV GL Rules, as stated
herein.

This MSA implies that the manufacturer is authorised according to scope and conditions as detailed in the
subsequent pages.

The MSA is valid until **2021-05-07**

The MSA will, however, be invalid if the Recognition Certificate is invalid.

The MSA is governed by DNV GL's general terms and conditions. These may be provided upon request.

Issued at **Magdeburg** on **2017-05-08**

for **MÄRKISCHE SCHRAUBENFABRIK
ALFRED BRÜCKMANN GMBH & CO. KG**

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Frank Krüger
Geschäftsführer

for **DNV GL SE**

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Kühne, Dennis
Station Manager Magdeburg

1. Scope of Work

For the above mentioned product(s) to be certified for conformance with DNV GL Rules, the following conditions will come into force:

1.1 Reference Documents

- I. DNV GL Rules for Classification Pt.2 Ch.1
- II. DNV GL Rules for Classification Pt.2 Ch.2
- III. List of transfer stamping nominated persons
- IV. Quality System Certificate (QSC) No.CQ-24/09/03 dated 2015-12-09. issued by Öhmi EuroCert.

1.2 Inspection

The verification of correct marking and incoming goods inspection are entrusted to the manufacturer on the basis of documented and accepted procedures and the use of qualified personnel familiar with the DNV GL Rules.

The manufacturer is authorized to perform transfer stamping without the presence of DNV GL.

1.3 Assessments performed by DNV GL

Compliance with the conditions agreed in this MSA is subject to control and review by assessing as follows:

- a) Periodical assessments of the MSA function are to be made at 12 months intervals, based on a mutually agreed schedule.
- b) Project-specific assessments or unscheduled spot checks may be made to ensure compliance of the products with Rule requirements.

For this purpose DNV GL shall at all reasonable times be given access to the manufacturing plant and to the relevant manufacturing documents and records.

1.3.1 Agenda for the MSA assessments

The agenda for the assessments will be proposed by DNV GL in the notification of the meeting.

The agenda may typically contain:

- a) Organisation, responsibilities and qualifications of relevant personnel.
- b) The efficiency of the implementation of the MSA.
- c) Operational procedures and instructions related to the MSA agreement.
- d) Restamping processes, inspectiong.
- e) Test records.
- f) Product marking and traceability and control of non-conforming product.
- g) Claims, question from clients and others.
- h) Review of possible problem areas raised from previous MSA assessments.
- i) Review of reports from Quality System Audits.
- j) Information to be updated.
- k) Statistical results from testing.
- l) Review of the Quality System Audit reports in connection with ISO QSC.
- m) News from DNV GL.

Any problems found should be handled as non-conformities. Corrective actions will be re-assessed by DNV GL.

2. Reporting by manufacturer

2.1 Manufacturing Records

Each transfer of stamping and identification stamping shall be recorded in compliance with manufacturers documented and accepted procedure for transfer stamping.

2.2 Documenting transfer stamping covered by this MSA agreement

The transfer stamping and inspection performed by the manufacturer under this MSA agreement shall be reported/documented as follows:

- Transfer stamping to be documented in a report which minimum contains manufacturer's order number, product dimension, material grade, heat key number, heat number, reference to the original certificate

The above documentation shall be made available to the DNVGL surveyor when surveying the product at the final manufacturer.

A copy of the documentation of transfer stamping and inspection shall be retained by the manufacturer as quality records and the retention period is to be as stated in the Quality System Manual.

By ordering certification of the products with reference to this MSA agreement, the manufacturer is declaring full compliance with this agreement.

2.3 Non-conformances

The manufacturer is to report any deviation from the DNV GL Rules and this MSA agreement and obtain DNV GL's written approval prior to dispatch of the product.

2.4 Information to DNV GL

The manufacturer is to report any purchaser requirement, which may extend the scope defined in the DNV GL Rules. Any additional requirements outside of the DNV GL Rules are not covered by this MSA.

All customer complaints to products delivered under this MSA agreement shall be reported to the DNV GL local office. A procedure for reporting of customer complaints has to be established by the manufacturer and approved by DNV GL. It is up to DNV GL to decide if further involvement is necessary or not at that time. However, closing of customer complaints reported to DNV GL and corrective actions implemented by the manufacturer will be discussed under the MSA assessment.

3. Reporting by DNV GL

3.1 Information to manufacturer

DNV GL will inform the manufacturer of new or amended rules and regulations which would affect the arrangements authorised.

3.2 MSA assessments

After each assessment a report will be prepared by DNV GL, and distributed to the involved parties.



4. Marking for Identification

4.1 Marking

Products which have been satisfactorily inspected shall be marked as required by the DNV GL Rules. Only those products covered by this arrangement are permitted to be marked with this stamp.

5. Monitoring and Administration of the MSA

The DNV GL Magdeburg Office is responsible for:

- 1) Follow up of the MSA through the periodical MSA assessments.
- 2) The regular contact with the manufacturer.
- 3) Review of works certificates.
- 4) Issuing DNV GL certificates.
- 5) Invoicing.

6. Fees and Payment Terms

Certification fees will be charged in accordance with DNV GL's standard fees for manufacturers holding a certified QSC and having implemented a MSA or in accordance with special written agreements, to be updated annually.

7. Regulation for the Certification Services

Regulations with respect to obligations, publications, suspension, withdrawal/cancellation and appeal are given in DNV GL CLASS PROGRAMME No. DNVGL-CP-0337 "General description of services for certification of materials and components", Section 2 [7].

8. Validity

Any changes in production process, procedures or other matters that may influence the validity of the Recognition Certificate, the MSA agreement or the conditions stated therein are to be submitted to DNV GL for evaluation.

The MSA will be invalid if:

- a) The Recognition Certificate is invalid.
- b) The QSC is invalid.
- c) The possible non-conformities from the MSA assessments are not responded to and/or corrective actions are not implemented within the agreed time.
- d) The manufacturer does not comply with the obligations of the MSA agreement.
- e) The certification fees are not paid in due time.

Either party shall have the right to terminate this MSA subject to three months written notice.

9. Liability and Indemnity

The liability and indemnity are covered by the Frame Agreement (see also §6 of the MSA).



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10. Law and Jurisdiction

The Law and Jurisdiction are covered by the Frame Agreement (see also §6 of the MSA).

