

Quality guideline contract manufacturing to GFM GmbH

March 2021

1. Scope

1.1 This Q-guideline in conjunction with our work or procedural instructions applies to all supply contracts based on workshop drawings/production drawings from GFM.

2. Required quality management system and documentation

2.1 The supplier must be certified according to quality management system EN ISO 9001. or at least achieve the minimum criteria in the supplier self-disclosure form. Important: Deviations from the requirements specified in this quality guideline require written confirmation from the respective procurement department or GFM quality management.

2.2 The supplier is responsible for obtaining and updating GFM and customer regulations cited in the specification documents. GFM - quality representatives are authorized to agree with the supplier on the measures required for quality capability and to continuously check the fulfillment of the agreements.

2.3 Material test certificates, geometry protocols or proofs of material compositions must be prepared by the supplier in the course of traceability, kept, transmitted electronically with the delivery and shown on request. If additional documents (extended test certificates, special certificates) are explicitly required in the order, these must be transmitted electronically to GFM Quality Management. The supplier undertakes to record and evaluate the data deemed necessary for quality documentation by the GFM - Quality Representative and to make them available with the respective delivery or upon special request.

2.4 In the case of tools (SE-marked parts), the marking must be permanent in accordance with the drawing specifications.

2.5 If 3D geometries have been created in the course of production, they shall be supplied electronically as *.SAT, *.STL or *.STP.

3. Status report for delivery times over 12 weeks:

3.1 The supplier shall provide a status report on the orders at regular intervals and in any case specifically upon request. The report must also contain photos.

4. Deviations c

4.1 If the Supplier intends to deliver parts to GFM on which deviations to the approved limits have been detected, a deviation permit must be obtained before delivery of these parts.

4.2 If unscheduled inspections or rework is required due to the detection of a defect, incomplete information on the delivery documents, incorrect deliveries or missing / incomplete quality certificates, the costs incurred for this will be charged to the supplier. This also includes the so-called lost value-added costs in the case of hidden defects which occur in the GFM value-added process.

5. Specific warranty and consequential damages

5.1 The Supplier undertakes to grant GFM its rights under warranty even if GFM discovers defects that would have been detectable in a technical incoming goods inspection only during or after processing. However, after the discovery of defects, the supplier will be informed immediately and will be requested to limit the damage. It is expressly pointed out to the supplier that he is obliged to clarify the above regulation with his liability insurer in order to ensure that he is nevertheless in a position to obtain the necessary product liability insurance, including the provided recall costs insurance.

5.2 If the agreed QM measures from this quality guideline or the part-related agreements of quality and inspection measures are not fulfilled and therefore a delivery and processing of defective products takes place, resulting in additional production costs, production downtime costs or additional logistics costs, GFM reserves the right of recourse.

6. Suppliers for welding components

6.1 The welding procedures used shall comply with EN ISO 3834-2 as supplemented by EN ISO 9001. The welding procedures applied must be qualified according to ISO 15614. Suppliers manufacturing weldments for GFM shall have appropriately qualified welding personnel according to EN ISO 9606 and welding supervisors EN ISO 14731. Suppliers must be able to provide valid certification from a recognized body as proof of their qualifications. If a supplier does not have the required evidence, GFM may grant him a special release on a project or part basis.

7. Suppliers for castings and forgings

7.1 Special non-destructive tests are required for certain castings and forgings specified in the order. The supplier must have qualified personnel, e.g. inspection personnel according to EN ISO 9712 Level 1, inspection supervisors according to EN ISO 9712 Level 2 or Level 3, to carry out and assess these tests. Suppliers must be able to present the valid certificate of a recognized body as proof of their qualification.

8. Suppliers for Structural steelwork

8.1 The design class EXC2 according to ÖNORM EN 1090-2 applies to load-bearing components. ONR 21090 contains a guideline for the selection of design classes.

8.2 Pre-stressed connections are made with screw fittings of grade 8.8 or 10.9.

8.3 The tolerances specified in ÖNORM EN 1090-2 shall apply to the free dimension tolerances. Class 1 applies to the supplementary tolerances.

9. Surface treatment

9.1 Corresponding specifications must be defined in the order. Coating systems for GFM machines are subject to special stresses. For this reason, only coating systems that comply with our painting regulations QSA-09.004 may be used for our products. Details are regulated by our specific design specifications.

10. Retention periods

10.1 The retention periods for all documents and records related to an assignment of GFM are 10 years.