

Legend for the quality requirements in our purchase orders

01.07.2013 Dokumenteninfosätze

Art: Q01 Dokument: **A01** Version: 00 Teildokument: 000

Standard Sample Inspection:

The supplier shall, as part of its delivery, provide a standard sample for the purpose of inspection, that has been produced before series production according to the conditions of series production.

QS checks this sample with regard to all specified requirements.

Art: Q01 Dokument: **A02** Version: 00 Teildokument: 000

first article inspection (FAI)

The supplier must provide the QA department of the client with a specimen for inspection, that has been produced according to the series conditions. Likewise, the QA department of the client shall for inspection be provided with the corresponding QA plan for the production and testing of the parts.

A decision on series release is made based on the part and the documents.

Art: Q01 Dokument: **A03** Version: 00 Teildokument: 000

The supplier has to provide a quality management plan for all parts to be supplied. This plan must contain a change index and be accepted by the QA of the Client.

The plan must define in particular:

- Scope of the applied QA measures
- Quality assurance measures of sub-supplier parts
- Quality assurance measures in production
- Q-assuring measures in the final inspection

Any change to the QM plan requires the approval of the client.

Art: Q01 Dokument: **A04** Version: 00 Teildokument: 000

Material test certificate according to DIN 50049/EN 10204 2.1
A copy must be enclosed with the delivery documents.

Art: Q01 Dokument: **A05** Version: 00 Teildokument: 000

Material test certificate according to DIN 50049/EN 10204 2.2
A copy must be enclosed with the delivery documents.

Art: Q01 Dokument: **A06** Version: 00 Teildokument: 000

Acceptance test certificate in accordance with EN 10204 "3.1"
A copy must be enclosed with the delivery documents.
For parts made of steel, a 3.1-certificate is generally required.
If an assembly is ordered, an 3.1-certificate for the manufactured subassembly must be confirming conformity with the valid specification!
If welding activities are carried out by the supplier on the assembly, or if it will be further welded at TSG, 3.1 certificates of the base material must also be submitted.

Art: Q01 Dokument: **A07** Version: 00 Teildokument: 000

Measurement sheet; report on dimensional tests carried out
A copy must be enclosed with the delivery documents.

Art: Q01 Dokument: **A08** Version: 00 Teildokument: 000

Report on carried out functional tests
A copy must be attached to the delivery documents.

Art: Q01 Dokument: **A09** Version: 00 Teildokument: 000

Report on carried out heat treatment
A copy must be attached to the delivery documents.

Art: Q01 Dokument: **A10** Version: 00 Teildokument: 000

Report on carried out X-ray test carried out
A copy shall be enclosed with the delivery documents.

Art: Q01 Dokument: **A11** Version: 01 Teildokument: 000

Report on carried out Magnaflux inspection
A copy shall be enclosed with the delivery documents.

Art: Q01 Dokument: **A12** Version: 00 Teildokument: 000

Report on carried out Ultrasonic inspection
A copy shall be enclosed with the delivery documents.

Art: Q01 Dokument: **A13** Version: 00 Teildokument: 000

Report on type tests carried out in accordance with the
technical description.

Art: Q01 Dokument: **A14** Version: 00 Teildokument: 000

Fire safety certificate required.
Depending on the project specifications, proof on the fire
safety properties of the material, issued by an independent
testing institute has to be provided.
For more detailed information about the underlying
standard, the specification or the basic data text has to
be taken into account.

Art: Q01 Dokument: **A15** Version: 00 Teildokument: 000

Report on impact or puncture test carried out.

Art: Q01 Dokument: **A16** Version: 00 Teildokument: 000

Report on carried out water tightness test.
A copy must be enclosed with the delivery documents

Art: Q01 Dokument: **A17** Version: 00 Teildokument: 000

Testing and documentation of the masses of the
first series parts. In the event of changes, a new
mass determination must be carried out and documented.

Art: Q01 Dokument: **A18** Version: 00 Teildokument: 000

Proof of a certificate according to DIN EN 15085 currently valid for the
welding assembly to be manufactured.
In the event of subcontracting of welding work,
this must be communicated to the client's approval
without delay and the exact site-related allocation
of the welding work has to be explained. In addition,
the contractor shall submit the "Welding"-checklist
in full to the together with the order confirmation.

Art: Q01 Dokument: **A19** Version: 00 Teildokument: 000

Report on the test carried out on the coating thickness and the degree of gloss. A copy shall be enclosed with the the delivery documents.

Art: Q01 Dokument: **A20** Version: 00 Teildokument: 000

Proof of resistance to cleaning agents in accordance with specification has to be provided.

Art: Q01 Dokument: **A21** Version: 00 Teildokument: 000

Proof of a certificate currently valid certificate according to DIN 6701 for the adhesive assembly to be manufactured. In the event of subcontracting of bonding work, the Client has to be noted of this for approval immediately and without request and the exact site-related allocation of the bonding work must be explained. In addition, the Contractor must also provide the Client with the "Bonding" checklist together with the order confirmation.

Art: Q01 Dokument: **A22** Version: 00 Teildokument: 000

First article inspection (EMP - FAI)
The EMP is carried out at the supplier's works by the Client's personnel or the the end customer. The first article is always the first product of a series that has been manufactured under series conditions. The EMP has to be registered 15 working days before it is carried out. The Contractor is responsible for providing the means and for the performance of the test. In case of non-compliance the EMP will be cancelled and repeated at the expense of the Contractor. During the EMP, all documents such as e.g. drawings, parts lists, type test reports and other required proofs have to be available.

Art: Q01 Dokument: **A23** Version: 00 Teildokument: 000

Products with expiry date:
On the packaging of paints, varnishes, sealants, coatings and adhesives the batch number and the expiry date have to be indicated.

Art: Q01 Dokument: **A24** Version: 00 Teildokument: 000

A colour sample is required.

Art: Q01 Dokument: **A25** Version: 00 Teildokument: 000

A surface sample is required.

3 identical samples in A4 format are to be supplied, which allow an evaluation of the colour, gloss level, surface structure and layer thickness of the coating. The base material of the samples has to be identical to the base material of the parts to be supplied.

Art: Q01 Dokument: **A26** Version: 00 Teildokument: 000

A repair kit has to be included.

A set of the materials (paint, spray, etc.) required for the repair of minor superficial damage (small scratches etc.) has to be included in every delivery.

Art: Q01 Dokument: **A27** Version: 00 Teildokument: 000

Product identification

The product identification has to be affixed by means of a sticker or similar on the product or its smallest packaging unit.

It shall be of a size appropriate to the product or packaging.

The sticker must be clearly visible.

Required information:

Material number and drawing no. of the Client incl. the current issue no. and date.

Art: Q01 Dokument: **A28** Version: 00 Teildokument: 000

The supplier must be classified as a Q1-supplier by Deutsche Bahn AG.

Art: Q01 Dokument: **A29** Version: 00 Teildokument: 000

Acceptance test report according to EN 10204 "3.2",
A copy must be enclosed with the delivery documents

Art: Q01 Dokument: **A30** Version: 00 Teildokument: 000

The quality department of the Client or of the end customer can carry out a product audit to monitor the product-specific and the quality assurance measures.

Further spot checks may also be carried out by the Client in the presence of the end customer. As a principle, all quality records have to be allowed to be inspected on request.

Art: Q01 Dokument: **A31** Version: 00 Teildokument: 000

For each batch of coating materials a manufacturer's declaration in accordance with the specifications of DB AG has to be submitted. The manufacturer's declaration must be enclosed with each delivery.

Art: Q01 Dokument: **A32** Version: 00 Teildokument: 000

For each series delivery, the supplier shall confirm by means of a certificate of conformity, that the delivered product corresponds to the type-tested or approved initial sample.

Art: Q01 Dokument: **A33** Version: 00 Teildokument: 000

CE certificate of conformity and operating instructions according to directive 87/404 EWG

Art: Q01 Dokument: **A34** Version: 00 Teildokument: 000

The wheel disc/wheel set axle press-on diagrams are part of the delivery.

Art: Q01 Dokument: **A35** Version: 00 Teildokument: 000

Report on compliance with the UIC 555, Lighting in passenger coaches.

Art: Q01 Dokument: **A36** Version: 00 Teildokument: 000

Documentation of the spring characteristic curve

Art: Q01 Dokument: **A37** Version: 00 Teildokument: 000

Documentation of the damper diagram

Art: Q01 Dokument: **A38** Version: 00 Teildokument: 000

Proof of a currently valid certificate according to DIN 6701 - Certification level A1 for the adhesive assembly to be manufactured.

Talbot Services GmbH must be informed immediately of any changes to the approval or certificate.

In the event of subcontracting of bonding work, this must be notified to Talbot Services GmbH for approval without delay and without request, as well as the exact site-related allocation of the bonding work.

In addition, at the discretion of the responsible gluing supervisor of Talbot Services GmbH, an audit may be carried out at the subcontractor's premises at the start of production (this can be done together with a First Article Inspection). Further audits are at the discretion of the responsible gluing supervisor.

Art: Q01 Dokument: **A39** Version: 00 Teildokument: 000

Proof of a currently valid certificate according to DIN 6701 - Certification level A2 for the adhesive assembly to be manufactured.

Talbot Services GmbH must be informed immediately of any changes to the approval or certificate.

In the event of subcontracting of bonding work, this must be notified to Talbot Services GmbH for approval without delay and without request, as well as the exact site-related allocation of the bonding work.

In addition, at the discretion of the responsible gluing supervisor of Talbot Services GmbH, an audit may be carried out at the subcontractor's premises at the start of production (this can be done together with a First Article Inspection). Further audits are at the discretion of the responsible gluing supervisor.

Art: Q01 Dokument: **A40** Version: 00 Teildokument: 000

Proof of a currently valid certificate according to DIN 6701 for the adhesive assembly to be manufactured.

Talbot Services GmbH must be informed immediately of any changes to the approval or certificate.

In the event of subcontracting of bonding work, this must be notified to Talbot Services GmbH for approval without delay and without request, as well as the exact site-related allocation of the bonding work.

In addition, at the discretion of the responsible gluing supervisor of Talbot Services GmbH, an audit may be carried out at the subcontractor's premises at the start of production (this can be done together with a First Article Inspection). Further audits are at the discretion of the responsible gluing supervisor.

Art: Q01 Dokument: **A41** Version: 00 Teildokument: 000

Proof of a currently valid certificate according to DIN EN 15085 certification level CL1 for the welded assembly to be manufactured.

Talbot Services GmbH has to be informed of any changes to the approval or certificate.

In the event of subcontracting of welding work, this must be notified to Talbot Services GmbH for approval without delay and without request for approval, as well as the exact site-related allocation of the welding work.

In addition, at the discretion of the responsible welding supervisor of Talbot Services GmbH, an audit may be carried out at the subcontractor's premises at the start of production (this can be done together with a First Article Inspection). Further audits are at the discretion of the responsible welding supervisor.

The audit is documented by means of Form 48 "Welding Subcontractor Audit".

Art: Q01 Dokument: **A42** Version: 00 Teildokument: 000

Proof of a currently valid certificate according to DIN EN 15085 certification level CL2 for the welded assembly to be manufactured.

Talbot Services GmbH has to be informed of any changes to the approval or certificate.

In the event of subcontracting of welding work, this must be notified to Talbot Services GmbH for approval without delay and without request for approval, as well as the exact site-related allocation of the welding work.

In addition, at the discretion of the responsible welding supervisor of Talbot Services GmbH, an audit may be carried out at the subcontractor's premises at the start of production (this can be done together with a First Article Inspection). Further audits are at the discretion of the responsible welding supervisor.

The audit is documented by means of Form 48 "Welding Subcontractor Audit".

Art: Q01 Dokument: **A43** Version: 00 Teildokument: 000

Report on visual inspection (VT) carried out in accordance with DIN EN ISO 13018.

A copy with reference to the delivery documents / material shall be enclosed with each delivery.

Talbot Services GmbH
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