

7 Inspection and testing

7.1 General

The appropriate process control, inspection, testing and modelling shall be carried out to ensure that the product complies with the requirements of the order.

This includes the following:

- suitable frequency of verification of the dimensions of the products;
- adequate intensity of visual examination of the surface quality of the products;
- appropriate frequency and type of test to ensure that the correct grade of steel is used.

The nature and frequency of these verifications, examinations and tests is determined in the light of the degree of consistency that has been determined by the evidence of the quality system. In view of this, verifications by specific tests for these requirements are not necessary unless otherwise agreed.

7.2 Agreement on tests and inspection documents

7.2.1 Products complying with this document shall be ordered and delivered with one of the inspection documents as specified in EN 10204. The type of document shall be agreed upon at the time of enquiry and order. If the order does not contain any specification of this type, at least a test report 2.2 shall be issued.

7.2.2 If it is agreed to issue a test report 2.2 in accordance with EN 10204 it shall indicate the following information:

- a) information groups A, B and Z of EN 10168;
- b) results of the cast analysis in accordance with Tables 2 to 5 with the code numbers C71 to C92 in EN 10168.

7.2.3 If the issuing of an inspection certificate 3.1 or 3.2 according to EN 10204 has been agreed, specific inspections according to 7.3 shall be carried out and the following information shall be given in the inspection document with the code numbers and details required by EN 10168:

- a) information groups A, B and Z of EN 10168;
- b) results of the cast analysis in accordance with Tables 2 to 5 with the code numbers C71 to C92 in EN 10168;
- c) results of all mandatory (m) tests according to Table 26;
- d) results of any optional (o) test according to Table 26 or any further product verification agreed at the time of enquiry and order.

7.3 Specific inspection and testing

7.3.1 Extent of testing

The tests to be carried out, either mandatorily (m) or optionally by agreement (o) and the composition and size of the test units, and the number of sample products, samples and test pieces to be taken are given in Table 26.