

## 4 Designation and ordering

### 4.1 Designation of steel grades

The steel names and steel numbers (see Tables 2 to 5) were formed in accordance with EN 10027-1 and EN 10027-2, respectively.

A complete overview of all grades that are in this document is given in Annex A.

### 4.2 Designation to be used on ordering

The complete designation for ordering a product according to this document shall contain the following information:

- desired quantity;
- product form (e.g. round bars, square bars or rod);
- where an appropriate dimensional standard is available (see Table 7 and Annex D) the number of the standard plus any choice of requirements; if there is no dimensional standard, the nominal dimensions and tolerances required;
- type of material (steel);
- number of this document;
- steel name or steel number;
- if for the relevant steel in the table for the mechanical properties more than one treatment condition is covered, the symbol for the desired heat treatment or cold worked condition;
- desired condition (see symbols in Table 7);
- if a verification of internal soundness is required, products shall be tested in accordance with EN 10306 or EN 10308;
- any additional optional tests or inspections (see 7.2.3 d);
- standard designation for a test report 2.2 or, if required, any other type of inspection document in accordance with EN 10204 (see 7.2.1).

**EXAMPLE** 10 t round bars according to EN 10060 of 50 mm diameter made of steel grade EN 10088-3 with the name X5CrNi18-10 and the number 1.4301 in condition 1D (see Table 7), inspection certificate 3.1 as specified in EN 10204:

10 t round bars EN 10060 — 50

Steel EN 10088-3 — X5CrNi18-10+1D

EN 10204 — 3.1

or

10 t round bars EN 10060 — 50

Steel EN 10088-3-1.4301+1D

EN 10204 — 3.1.