

European foreword

This document (EN 10088-3:2023) has been prepared by Technical Committee CEN/TC 459 “ECISS - European Committee for Iron and Steel Standardization¹”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

This document supersedes EN 10088-3:2014.

In comparison with the previous edition, the following technical modifications have been made:

- a) addition of austenitic grades 1.4681, 1.4391, addition of austenitic-ferritic (duplex) grade 1.4670, addition of ferritic grades 1.4106, 1.4114, 1.4045, addition of martensitic grade 1.4037;
- b) chemical composition was changed for following grades: austenitic grades 1.4310, 1.4404, 1.4529, ferritic grade 1.4003 and for martensitic grade 1.4028, 1.4116;
- c) removal of austenitic grades, 1.4319, 1.4537;
- d) mechanical values for bright bars have been changed for austenitic grades 1.4301, 1.4307 for ferritic grades 1.4509, for martensitic grades 1.4028, 1.44418 and for austeno-ferritic grades 1.4362. Mechanical values for bright bars have been added for martensitic grade 1.4021 in QT800 condition and for 1.4057 in QT900 condition;
- e) introduction of the possibility to use modelling for the determination of tensile properties;
- f) columns have swapped places in Table 7 for better reading;
- g) new Annex A lists all grades that appear in this document by ascending steel number.

EN 10088, under the general title *Stainless steels*, consists of the following parts:

- *Part 1: List of stainless steels* (including a table of European Standards, in which these stainless steels are further specified, see Annex C);
- *Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resistant steels for general purposes*;
- *Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resistant steels for general purposes*;
- *Part 4: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes*;
- *Part 5: Technical delivery conditions for bars, rods, wire, sections and bright products of corrosion resisting steels for construction purposes*.

¹ Through its sub-committee SC 5 “Steels for heat treatment, alloy steels, free-cutting steels and stainless steels”, (secretariat: DIN).