

Irish Standard I.S. EN 10088-1:2023

Version 1.0

Stainless steels - Part 1: List of stainless steels					

## I.S. EN 10088-1:2023 V1.0

#### The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

NSAI/... xxx: A National adoption of a Technical Regulation (TR), Technical Specification (TS), CEN and/or CENELEC Workshop Agreement (CWA).

I.S. EN 10088-1:2023 V1.0 was published under the authority of the NSAI and came into effect on: 2023-12-21							
Consisting of:	DAV	Version	Published	Withdrawn*			
I.S. EN 10088-1:2023	2023-12-20	1.0	2023-12-21				
Replaces: EN 10088-1:2014		All versions					

<sup>\*</sup>Dates in the future are planned withdrawal dates

DAV = Date of Availability of publication from CEN/CENELEC

NOTE 1: Versions relate to the different elements assembled for any publication based on the edition issued by CEN/CENELEC. Publications prior to 2023-11-27 do not contain version history but if you need any more information please contact info@standards.ie.

NOTE 2: The date of any NSAI previous adoptions may not match the date of its original CEN/CENELEC document.

ICS number(s): 77.140.20

NSAI 1 Swift Square Northwood, Santry Dublin 9 D09 A0E4 +353 1 807 3800 standards@nsai.ie NSAI.ie

Sales +353 1 857 6730 <u>Standards.ie</u>

Údarás um Chaighdeáin Náisiúnta na hÉireann

## **National Foreword**

I.S. EN 10088-1:2023 V1.0 is the version of the NSAI adopted European document EN 10088-1:2023, *Stainless steels - Part 1: List of stainless steels,* including any Corrections, Amendments etc. to EN 10088-1:2023 listed on page(s) II.

This normative document by CEN/CENELEC the elaboration of which includes a public enquiry, followed by a Formal Vote of CEN/CENELEC national members and final ratification. This European Standard is published as an identical national standard and every conflicting national standard will be withdrawn. The content of a European Standard does not conflict with the content of any other EN (and HD for CENELEC).

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Conformance with this document does not of its self confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

## I.S. EN 10088-1:2023 V1.0

This page intentionally left blank

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 10088-1

December 2023

ICS 77.140.20

Supersedes EN 10088-1:2014

## **English Version**

## Stainless steels - Part 1: List of stainless steels

Aciers inoxydables - Partie 1 : Liste des aciers inoxydables

Nichtrostende Stähle - Teil 1: Verzeichnis der nichtrostenden Stähle

This European Standard was approved by CEN on 6 November 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2023 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 10088-1:2023 E

Co	ontents	Page
Eui	ropean foreword	3
Int	troduction	4
1	Scope	5
2	Normative references	6
3	Terms and definitions	6
4	Chemical composition	6
	nex A (informative) Designation of ISO stainless steels and of comparable grades corious designation systems listed according to the European system	
Anı	nex B (informative) Matrix to show which steels are included in which European Stand	lard30
Anı	nex C (informative) Classification of stainless steel grades	42
<b>C.1</b>	l General	42
<b>C.2</b>	2 Classification by use properties	42
<b>C.3</b>	3 Classification by microstructure	43
<b>C.4</b>	1 Classification by significant alloying elements	45
	nex D (informative) Empirical formulae for steel grade microstructure classification an sistance ranking	
Anı	nex E (informative) Guidance data on some physical properties	48
EN	nex F (informative) Chemical composition of nickel and cobalt alloys listed in El I 10269 and EN 10302	63
Bib	bliography	66



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation