

Hot-rolled steels for quenched and tempered springs  
 Technical delivery conditions  
 English version of DIN EN 10089

**DIN**  
**EN 10089**

ICS 77.140.25

Supersedes DIN 17221,  
 December 1988 edition.

Warmgewalzte Stähle für vergütbare Federn – Technische  
 Lieferbedingungen

**European Standard EN 10089 : 2002 has the status of a DIN Standard.**

*A comma is used as the decimal marker.*

### National foreword

This standard has been prepared by ECISS/TC 23 'Steels for heat treatment, alloy steels and free-cutting steels – Qualities' (Secretariat: Germany).

The responsible German body involved in its preparation was the *Normenausschuss Eisen und Stahl* (Steel and Iron Standards Committee), Technical Committee *Warmgewalzte Federstähle*.

The DIN Standards corresponding to the CEN Technical Report and EURONORMs referred to in clause 2 of the EN are as follows:

CR 10260	DIN V 17006-100
EURONORM 103	DIN 50601
EURONORM 104	DIN 50192

### Amendments

DIN 17221, December 1988 edition, has been superseded by the specifications of EN 10089.

### Previous editions

DIN 1669: 1942x-02; DIN 17221: 1955-04, 1972-12, 1988-12.

### National Annex NA

#### Standards referred to

(and not included in **Normative references**)

DIN V 17006-100	Designation systems for steel – Additional symbols for steel names
DIN 50192	Determination of depth of decarburization of steel
DIN 50601	Metallographic examination – Determination of the ferritic or austenitic grain size of steel and ferrous materials

EN comprises 32 pages.



**English version**

**Hot-rolled steels for quenched and tempered springs**  
Technical delivery conditions

Aciers laminés à chaud pour ressorts  
trempés et revenus – Conditions  
techniques de livraison

Warmgewalzte Stähle für vergütbare  
Federn – Technische Liefer-  
bedingungen

This European Standard was approved by CEN on 2002-11-01.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Management Centre: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This document (EN 10089:2002) has been prepared by Technical Committee ECISS/TC 23, "Steels for heat treatment, alloy steels and free-cutting steels - Qualities and dimensions", the secretariat of which is held by DIN.

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 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

In this European Standard annex A is normative and annexes B, C and D are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.