

**Stålprodukter med forbedrede  
deformasjonsegenskaper vinkelrett på  
produktets overflate  
Tekniske leveringsbetingelser**

Steel products with improved deformation properties perpendicular to the surface of the product  
Technical delivery conditions

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**Nasjonalt forord**

Den engelskspråklige versjonen av europeisk standard EN 10164:2005 er fastsatt som Norsk Standard NS-EN 10164:2005.

**National foreword**

The English language version of European Standard EN 10164:2005 has been adopted as Norwegian Standard NS-EN 10164:2005.

English version

## Steel products with improved deformation properties perpendicular to the surface of the product - Technical delivery conditions

Aciers de construction à caractéristiques de déformation  
améliorées dans le sens perpendiculaire à la surface du  
produit - Conditions techniques de livraison

Stahlerzeugnisse mit verbesserten  
Verformungseigenschaften senkrecht zur  
Erzeugnisoberfläche - Technische Lieferbedingungen

This European Standard was approved by CEN on 4 November 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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## Foreword

This document (EN 10164:2004) has been prepared by Technical Committee ECISS/TC 10 “Structural steels – Grades and qualities”, the secretariat of which is held by NEN.

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 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

This document supersedes EN 10164:1993, *Steel products with improved deformation properties perpendicular to the surface of the product - Technical delivery conditions*.

During the 5 year review of EN 10164:1993 the members of ECISS/TC 10 agreed to revise EN 10164:1993. It was asked to actualise the normative references and to bring the text in line with “Iron and steel standardization – Model for a product standard”. In the scope the product thickness is increased to 400 mm to be in line with EN 10025-2. The upper yield strength is increased to 960 MPa to be in line with EN 10025-6.

This document includes a Bibliography.

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