

Steel products for pressure purposes — Derivation and verification of elevated temperature properties —

Part 1: Yield or proof stress of carbon
and low alloy steel products

Cooperating organizations

The European Committee for Standardization, under whose supervision this European Prestandard was prepared, comprises the national standards organizations of the following Western European countries.

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France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Iceland	Technological Institute of Iceland
Ireland	National Standards Authority of Ireland
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Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
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Spain	Asociación Española de Normalización y Certificación
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Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

This Draft for Development, having been prepared under the direction of the Iron and Steel Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 April 1992

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National foreword

This Draft for Development is published under the direction of the Iron and Steel Standards Policy Committee. It is identical with European Prestandard ENV 22605-1:1991 “*Steel products for pressure purposes — Derivation and verification of elevated temperature properties*”, Part 1 “*Yield or proof stress of carbon and low alloy steel products*”, prepared by CEN whose members have committed themselves to making it available in an appropriate form. Its text is identical with ISO 2605-1.

The remaining Parts of the Draft for Development are:

- *Part 2: Proof stress of austenitic steel products;*
- *Part 3: An alternative procedure for deriving the elevated temperature yield or proof stress properties when data are limited.*

The lifetime of a European Prestandard is first limited to three years. This applies also to this Draft for Development. After two years action will be taken requesting comments within six months on the future of the European Prestandard.

Following consideration of the comments received, the Prestandard will be confirmed, or given one extension in its present form for a further two years, or replaced, or withdrawn.

BS 3920 “*Derivation and verification of elevated temperature properties for steel products for pressure purposes*” Part 1 “*Method for deriving the minimum elevated temperature yield or proof stress properties when data on a minimum of 50 casts are available*”, will remain in force until a final decision is reached on the future of this Draft for Development.

The future of this Draft for Development is bound to that of ENV 22605-1 and the Draft for Development will not be separately reviewed or developed.

This publication is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ENV title page, pages 2 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

Steel products for pressure purposes —
Derivation and verification of elevated temperature
properties — Part 1: Yield or proof stress of carbon and
low alloy steel products

(ISO 2605-1:1976)

Produits en acier pour récipients à pression —
Dérivation et vérification des valeurs à
température élevée — Partie 1: Limite
d'élasticité ou limite conventionnelle
d'élasticité des produits en acier au carbone
ou faiblement allié
(ISO 2605-1:1976)

Stahlerzeugnisse für die Anwendung bei
Druck — Ableitung und Prüfung von
Eigenschaften bei erhöhter Temperatur —
Teil 1: Streckgrenze oder Dehngrenze von
Erzeugnissen aus Kohlenstoff- und
niedriglegierten Stählen
(ISO 2605-1:1976)

This European Prestandard was approved by CEN on 1991-10-16 as a prospective standard for provisional application. The period of validity of this ENV is limited to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard (EN).

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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Central Secretariat: rue de Stassart 36, B-1050 Brussels

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