

	<b>Butt-welding pipe fittings</b> Part 1: Wrought carbon steel for general use and without specific inspection requirements English version of DIN EN 10253-1	<b>DIN</b> <b>EN 10253-1</b>
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Formstücke zum Einschweißen – Teil 1: Unlegierter Stahl für allgemeine Anwendungen und ohne besondere Prüfanforderungen

**European Standard EN 10253-1 : 1999 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 29.

The responsible German body involved in the preparation of this standard was the *Normenausschuß Rohre, Rohrverbindungen und Rohrleitungen* (Pipes, Pipe Joints and Pipelines Standards Committee), Technical Committee *Einschweißfittings*.

EN comprises 32 pages.



**English version**

**Butt-welding pipe fittings**

**Part 1: Wrought carbon steel for general use and without specific  
inspection requirements**

Raccords à souder bout à bout –  
Partie 1: Acier au carbone pour  
usages généraux et sans contrôle  
spécifique

Formstücke zum Einschweißen – Teil 1:  
Unlegierter Stahl für allgemeine An-  
wendungen und ohne besondere Prüf-  
anforderungen

This European Standard was approved by CEN on 1999-07-02.

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.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

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

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## Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 29 "Steel tubes and fittings for steel tubes", the secretariat of which is held by UNI.

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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

In writing the European Standard EN 10253, the competent committee recognized that there are two broad types of products commonly used and decided to reflect these in the standard by the differentiation between two parts.

Firstly the committee recognized the need to provide a basic type in which the minimum wall thickness of the fitting is guaranteed without formal reference to the pressure resistance. This type is considered in Part 1 ; it consists of fittings which are not intended to be used in applications covered by the European Pressure Equipment Directive.

Secondly the equipment standards under the Pressure Equipment Directive will impose that the fitting has a defined resistance to internal pressure. This approach imposes enhanced requirements that are considered in Part 2.

Part 1 : fittings are not designed to fulfil specific design requirements in regard of pressure resistance and are only defined by their chemical composition, mechanical characteristics and dimensions (outside diameter, wall thickness, radius ...).

Part 2 : fittings are designed to fulfil specific design requirements.

It is the ultimate responsibility of the user to select the appropriate part for the intended application.

**NOTE** This European Standard intends to reflect the needs of various national markets ; consequently it offers in a normative annex an alternative solution for an associated combination of steel grade and dimensions (see clause 1).

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.