

Pipe threads where pressure tight joints are made on the threads —

**Part 1: Taper external threads and
parallel internal threads — dimensions,
tolerances and designation**

ICS 21.040.30; 23.040.01

National foreword

This British Standard is the UK implementation of EN 10226-1:2004. Together with BS EN 10226-2 and BS EN 10226-3, it supersedes BS 21:1985.

The UK participation in its preparation was entrusted to Technical Committee ISE/19, Ferrous pipe fittings, which has the responsibility to:

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English version

Pipe threads where pressure tight joints are made on the
threads - Part 1: Taper external threads and parallel internal
threads - Dimensions, tolerances and designation

Filetage de tuyauterie pour raccordement avec étanchéité
par le filetage - Partie 1: Filetages extérieurs coniques et
filetages intérieurs cylindriques - Dimensions, tolérances et
désignation

Rohrgewinde für im Gewinde dichtende Verbindungen - Teil
1: Kegelige Außengewinde und zylindrische Innengewinde -
Maße, Toleranzen und Bezeichnung

This European Standard was approved by CEN on 2 February 2004.

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Foreword

This document (EN 10226-1:2004) 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of an identical text or by endorsement, at the latest by January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This standard is based, with editorial modifications on ISO 7-1 "Pipe threads where pressure-tight joints are made on the threads - Part 1 : Dimensions, tolerances and designation". Pipe threads to this standard are dimensionally identical to and fully interchangeable with pipe threads to ISO 7-1.

This standard has been prepared in three parts. Parts 1 and 2 reflect the two thread jointing systems in regular use in Europe and Worldwide - Part 1 details taper external and parallel internal pipe threads, and Part 2 details taper external and taper internal pipe threads. Part 3 will provide requirements for the gauging of pipe threads conforming to Parts 1 and 2.

The common requirements for the taper external pipe thread are given in Part 1 and in Part 2, so as to present the complete thread jointing system in each part.

Components having pipe threads produced to the dimensions and tolerances given in this standard can be assembled to give safe and effective pressure tight joints providing proper assembly techniques are used. The techniques used to assemble threaded joints are dependent on a number of factors including the internal thread (parallel or taper), the quality of the mating threads, the materials of the components being connected, the thread sealant or jointing compound used and the assembly torque.

Because of the different assembly techniques used for the taper / parallel and taper / taper systems, it is recommended that mixing of components having parallel internal threads and taper internal threads is avoided in the same piping system.

Relevant EN product or application standards will normally specify whether parallel and /or taper internal threads are permitted for these products or applications. Users should select the internal thread type to suit their product or application requirements.

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