

Metalliske materialer
Rør
Ringstrekkprøving
(ISO 8496:1998)

Metallic materials
Tube
Ring tensile test
(ISO 8496:1998)

Nasjonalt forord

Den engelskspråklige versjonen av europeisk standard EN ISO 8496:2004 er fastsatt som Norsk Standard NS-EN ISO 8496:2004.

National foreword

The English language version of European Standard EN ISO 8496:2004 has been adopted as Norwegian Standard NS-EN ISO 8496:2004.

English version

Metallic materials - Tube - Ring tensile test (ISO 8496:1998)

Matériaux métalliques - Tubes - Essai de traction sur anneaux (ISO 8496:1998)

Metallische Werkstoffe - Rohr - Ringzugversuch (ISO 8496:1998)

This European Standard was approved by CEN on 1 July 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

The text of ISO 8496:1998 has been prepared by Technical Committee ISO/TC 164 "Mechanical testing of metals" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8496:2004 by Technical Committee EC/ISS/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of an identical text or by endorsement, at the latest by January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.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 supersedes EN 10237:1993.

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.

Endorsement notice

The text of ISO 8496:1998 has been approved by CEN as EN ISO 8496:2004 without any modifications.

Metallic materials — Tube — Ring tensile test

1 Scope

This International Standard specifies a method for a ring tensile test of tubes to reveal surface and internal defects by subjecting the test piece to strain until fracture occurs. This test may also be used to assess the ductility of tubes.

The ring tensile test is applicable to tubes having an outside diameter exceeding 150 mm and a wall thickness no greater than 40 mm. The inside diameter shall be greater than 100 mm.

2 Principle

Subjecting a ring cut from the end of a tube to strain in the circumferential direction until fracture occurs.

3 Apparatus

3.1 Two circular pins, of equal diameter with parallel axes, and movable in relation to each other while still remaining parallel.

In principle, the diameter of the pins shall be the minimum permissible from strength considerations but, provided that the inside diameter of the tube allows, should be at least 3 times the wall thickness of the tube to be tested (see figure 1).

Dimensions in millimetres

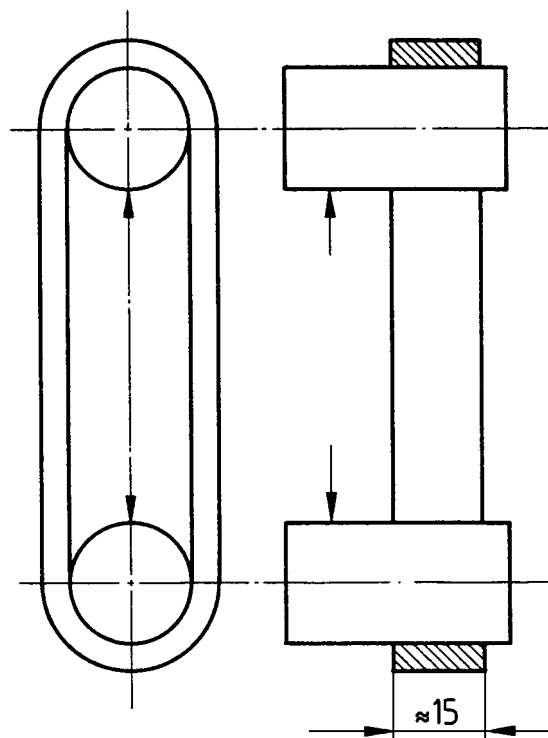


Figure 1