

Translated English of Chinese Standard: GB/T25048-2019

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 77.040.10

H 23

GB/T 25048-2019 / ISO 8496:2013

Replacing GB/T 25048-2010

Metallic materials - Tube - Ring tensile test

金属材料 管 环拉伸试验方法

(ISO 8496:2013, IDT)

Issued on: August 30, 2019

Implemented on: July 01, 2020

**Issued by: State Administration for Market Regulation;
Standardization Administration of the People's Republic of
China.**

Table of Contents

Foreword	3
1 Scope	4
2 Principle.....	4
3 Test equipment	4
4 Sample	5
5 Test procedure.....	5
6 Test report.....	5

Metallic materials - Tube - Ring tensile test

1 Scope

This Standard specifies the metallic tube ring tensile test methods that stretch the sample until it breaks to expose the surface and internal defects of the sample. This Standard can also be used to evaluate the ductility of metallic tube.

This Standard is applicable to the metallic tube, of which the outer diameter is more than 150 mm, the wall thickness is not more than 40 mm and the inner diameter is more than 100 mm.

2 Principle

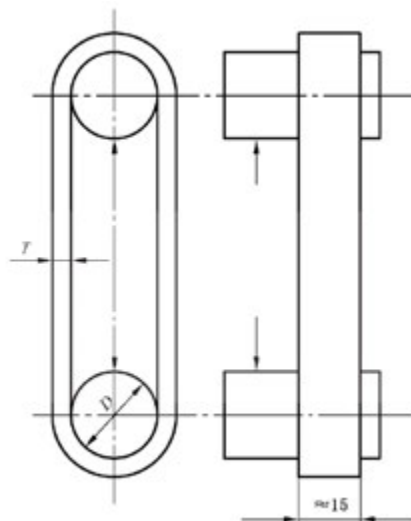
Cut a section of tube ring sample from one end of the metallic tube; let the metallic tube ring sample bear the circumferential deformation until fracture occurs.

3 Test equipment

Use 2 cylindrical pins of the same diameter; their axes are parallel, and relatively movable; remain parallel during the movement.

In principle, the diameter of the cylindrical pin shall be the minimum value of the allowable strength. The diameter of the cylindrical pin shall be at least 3 times the wall thickness of the tube ring, if the inner diameter of the metallic tube ring is allowed (as shown in Figure 1).

in millimeters



This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----