



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1123-3:2005

ICS 23.040.10
23.040.40
23.040.60
47.020.30

**PIPES AND FITTINGS OF LONGITUDINALLY
WELDED HOT-DIP GALVANIZED STEEL PIPES
WITH SPIGOT AND SOCKET FOR WASTE
WATER SYSTEMS - PART 3: DIMENSIONS
AND SPECIAL REQUIREMENTS FOR VACUUM
DRAINAGE SYSTEMS AND FOR DRAINAGE
SYSTEMS IN SHIP-BUILDING**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
February 11, 2005*

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EUROPEAN STANDARD

EN 1123-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

ICS 23.040.10; 23.040.40; 23.040.60; 47.020.30

English version

Pipes and fittings of longitudinally welded hot-dip galvanized steel pipes with spigot and socket for waste water systems - Part 3: Dimensions and special requirements for vacuum drainage systems and for drainage systems in ship-building

Tubes et raccords de tube, soudés longitudinalement en acier galvanisé à chaude, à manchon enfichable pour réseaux d'assainissement - Partie 3: Dimensions et prescriptions particulières pour les réseaux d'évacuation sous vide ainsi que pour les réseaux d'évacuation dans la construction navale

Rohre und Formstücke aus längsnahtgeschweißtem, feuerverzinktem Stahlrohr mit Steckmuffe für Abwasserleitungen - Teil 3: Maße und spezielle Anforderungen für Unterdruckentwässerungssysteme sowie für Entwässerungssysteme im Schiffbau

This European Standard was approved by CEN on 23 September 2004.

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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.

CEN members are the national standards bodies of 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.



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Foreword

This document (EN 1123-3:2004) has been prepared by Technical Committee CEN/TC 165 "Waste water engineering", the secretariat of which is held by DIN.

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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document on pipes and fittings of longitudinally welded hot-dip galvanized steel pipe with spigot and socket for waste water systems consists of the following Parts:

- Part 1: Requirements, testing, quality control;
- Part 2: Dimensions
- Part 3: Dimensions and special requirements for vacuum drainage systems and for drainage systems in shipbuilding

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 the United Kingdom

EN 1123-3:2004 (E)

Introduction

Pipes and fittings of longitudinally welded hot-dip galvanized steel pipes with spigot and socket for waste water systems as specified in EN 1123-2 are used in gravity drainage systems in buildings. For vacuum drainage systems and for drainage systems in shipbuilding, it was necessary to specify additional requirements and further dimensional specifications for components and joints used in these systems. Components specified in this document are used for vacuum drainage systems and for drainage systems in shipbuilding.

1 Scope

This document specifies requirements, dimensions and tolerances for pipes and fittings of longitudinally welded, hot-dip galvanized steel pipe with spigot and socket used for vacuum drainage systems inside and outside buildings and for gravity and vacuum drainage systems on ships and floating maritime structures¹⁾:

- above freeboard deck as long as the heeling is taken into account in the event of damage when installed above freeboard deck on passenger ships;
- inside a watertight compartment below freeboard deck;
- with direct connection to the outboard (not permitted below freeboard deck);
- inside tanks as long as these are not filled with foreign media and are not cargo tanks.

On well-anchored maritime structures, this standard applies to pipes and fittings of longitudinally welded hot-dip galvanized steel pipe with spigot and socket used in drainage systems in the living area.

NOTE Pipes and fittings according to this document may also be used in central vacuum cleaning installations, in vacuum suction lifting installations, in chip transporting installations and in other waste water and process pipes as long as the media to be discharged do not damage the components or the health and safety of the personnel.

For other pipes, this document only applies if agreed with the relevant operators and following prior consultation with the manufacturer.

This document contains a designation system for the different types of pipes and fittings for easy identification of each component.

This document is only applicable in conjunction with EN 1123-1. It does not apply to the marking of products for which EN 1123-1/A1 is applicable.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

¹⁾ In shipbuilding, the terms "Gravity and vacuum system" are used for this.

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