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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 47250-2026

**Ships and marine technology - Flange connection for fuel and
lubrication oil bunkering - Basic dimensions and technical
requirements**

船舶与海洋技术 燃油和润滑油加注用法兰接头 基本尺寸和技术要求

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

This document is equivalent to ISO 23212:2021 "Flange joints for filling fuel oil and lubricating oil in marine and marine technology - Basic dimensions and specifications".
Technical Requirements.

1 Scope

This document specifies the nominal pressure of PN10 flange joints for supplying marine fuel oil and lubricating oil from bunkering vessels or onshore facilities to ships.

This document does not apply to marine fuel system connections that use liquefied natural gas as fuel.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

ISO 4014 Hexagonhead Bolts - Product Grades A and B

Note: GB/T 5782-2025 Fasteners - Hex Head Bolts (ISO 4014:2022, MOD) gradesAandB]

Note: GB/T 6170-2015 Type 1 hexagonal nuts (ISO 4032:2012, MOD)

ISO 7005-1 Pipe flanges - Part 1: Steel flanges for industrial and general piping systems

Note: GB/T 13402-2019 Large Diameter Steel Pipe Flanges (ISO 7005-1:2011, NEQ)

ISO 7091 Plainwashers - Normalseries - Product grade C

ISO 7005

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Classification

4.1

Flange joints are classified according to different media as follows.

- a) Type F - Flange fitting for marine fuel receiving;
- b) L-type - Flange fitting for receiving lubricating oil.

4.2

Flange joints are classified according to different operating methods as follows.

- a) Type 1 - Blind flange without handle;
- b) Type 2 - Blind flange with one handle;
- c) Type 3---Blind flange with 2 handles.